

1300-1430 **COA/CORS Combined Paper Session 4: Joints and Arthritis**

● Fitzsimmons

Moderators Paul-Edgar Beaulé, ON, and James A. Johnson, ON

28 – 1300**Osteochondral Lesions of the Capitellum Do Not Affect Elbow Kinematics and Stability**

Maris Sabo, University of Western Ontario; Katherine Fay, University of Western Ontario; Louis Ferreira, University of Western Ontario; Colin McDonald, University of Western Ontario; James A. Johnson, University of Western Ontario; Graham J.W. King, University of Western Ontario

29 – 1306**Hip Abductor Muscle Strengthening in Persons with Knee OA: Effect on Knee Joint Loading During Gait**

Elizabeth A. Sled, Queen's University; Latif Khoja, Queen's University; Kevin J. Deluzio, Queen's University; Sandra J. Olney, Queen's University; Eisie G. Culham, Queen's University

30 – 1312**Effect of a Patellar Brace on Three-dimensional Patellar Tracking in Subjects with Patellofemoral Osteoarthritis**

Emily J. McWalter, UBC and Vancouver Coastal Health Research Institute; David R. Wilson, UBC and Vancouver Coastal Health Research Institute; William F. Harvey, Boston University School of Medicine and New England Baptist Hospital; Kelly A. Lamb, Boston University School of Medicine and New England Baptist Hospital; Paula I. McGree, Boston University School of Medicine and New England Baptist Hospital; David J. Hunter, Boston University School of Medicine and New England Baptist Hospital

1318 Discussion

31 – 1327**BMP-7 Gene Therapy for Mitigation of Post-traumatic Osteoarthritis in Sheep**

Mark Hurlig, University of Guelph; Laurent Fischer, Merial Ltd.; Antonio Cruz, University of Guelph; Frederick David, Merial Ltd.

32 – 1333**Comparison Between CT-TOMASD and CT-OAM for Assessing Osteoarthritic and Normal Tibiae**

James D. Johnston, University of Saskatchewan; Bas A. Masri, UBC; David R. Wilson, UBC

33 – 1339***In Vitro* Activity of Fusidic Acid and Vancomycin in PMMA Bone Cement for the Treatment of Methicillin-resistant Staphylococcus Aureus**

Fay Leung, UBC; Clive P. Duncan, UBC; Helen Burt, UBC; John Jackson, UBC

1345 Discussion

34 – 1354

Prevalence of CAM Type FAI Morphology in 200 Asymptomatic Volunteers
Paul-Edgar Beaulé, University of Ottawa; Kalesha Hack, University of Ottawa; Gina DiPrimo, University of Ottawa; Kawan Rakhra, University of Ottawa

35 – 1400**Prevalence of Associated Deformities in Patients with Cam Type Femoroacetabular Impingement**

Paul-Edgar Beaulé, University of Ottawa; David Allen, University of Ottawa; Steve Doucette, University of Ottawa; Othman Ramadan, University of Ottawa

36 – 1406**Direct Anterior Femoroacetabular Osteoplasty for Anterior Femoroacetabular Impingement**

Javad Parvizi, Rothman Institute; Luis Pulido, Rothman Institute; Madh Matar, Rothman Institute; Nicole Marchetto, Rothman Institute; Bora Og, Rothman Institute

37 – 1412

Hip Arthroscopy May Cause Chondrolysis
Javad Parvizi, Rothman Institute; Orhan Bican, Rothman Institute; Kevin Bozic, University of California; Chris Peters, University of Utah

1418 Discussion

1300-1430

COA/CORS Combined Paper Session 5: Spine/Trauma ● Garibaldi A
Moderators Albert J.M. Yee, ON, and Thomas Oxland, BC

38 – 1300**Biomechanical Characterization of Cervical Spine Dislocation in an Innovative Spinal Cord Injury (SCI) Model**

Qingan Zhu, UBC; Jie Liu, UBC; Tim Bhattachar, UBC; Wolfram Tetzlaff, UBC; Thomas Oxland, UBC

39 – 1306**Maverick Total Disc Replacement in the Lower Lumbar Spine Adjacent to a Long Spinal Fusion: An *In Vitro* Biomechanical Study of Kinematics**

Qingan Zhu, UBC; **Claire Jones**, UBC; Tim Schwab, UBC; Chad Larson, UBC; Eyal Ithayek, UBC; Lawrence Lenke, Washington University; Peter Crippion, UBC

40 – 1312**Cervical Spinal Motion that Would Otherwise Be Safe, Can Cause Spinal Cord Compression in a Stenotic Spine**

James C. Boak, UBC; Philippe Gedet, University of Bern; Marcel Dvorak, UBC; Stephen Ferguson, University of Bern; Peter Crippion, UBC

1318 Discussion

41 – 1327

The Positive Effects of Poly-N-acetyl Glucosamine on Human Intervertebral Disc Cell Metabolism *In Vitro*

Deepthi Gorapalli, Sunnybrook Health Sciences Centre, University of Toronto; **Albert J.M. Yee**, Sunnybrook Health Sciences Centre, University of Toronto; Aiguo Zhang, Sunnybrook Health Sciences Centre; Marina Demcheva, Marine Polymers Technologies Inc.; Carl Whyne, Sunnybrook Health Sciences Centre, University of Toronto; J. Youmrakis, Marine Polymers Technologies Inc.; A. Seth, Sunnybrook Health Sciences Centre, University of Toronto

42 – 1333

Stabilization of the Posteromedial Fragment in Bicondylar Tibial Plateau Fractures

Brad Yoo, UC - Davis; **Daphne M. Beingsnesser**, Harborview Medical Centre; David Barei

43 – 1339

An Automated Micro-CT Based Quantitative Analysis of Healthy and Metastatically Involved Vertebral Architecture

Seyed-Parsa Hojjat, University of Toronto; Michael R. Hardisty, Sunnybrook Health Science; Carl Whyne, Sunnybrook Health Science

1345 Discussion

44 – 1354

Quantification of Pronator Quadratus Contribution to Isometric Pronation Torque of the Forearm

Mark McConkey, UBC; Timothy D. Schwab, UBC; Andrew Travlos, UBC; Thomas Oxland, UBC; Thomas J. Goetz, UBC

45 – 1400

Biomechanical Analysis of Proximal Humeral Fixation Using Locking Plate Fixation with an Intramedullary Fibular Allograft

Craig Mathison, University of Alberta; **Reyhan Chaudhary**, University of Alberta; Lauren Beaupre, University of Alberta; Samer Adeeb, University of Alberta; Martin Bouliane, University of Alberta

46 – 1406

Indomethacin: Shedding New Light on Compartment Syndrome

David W. Sanders, University of Western Ontario; Ajay Manjoo, University of Western Ontario; Abdel-Rahman Lawandy, University of Western Ontario; Amit Badhwar, University of Western Ontario; Michael S. Gladwell, University of Western Ontario

1412 Discussion

1300-1430

COA Paper Session 6: Hip Reconstruction 1 ● Sea to Sky A
Moderators Douglas Naudie, ON, and Dick van der Jagt, President of the South African Orthopaedic Association

47 – 1300

Prospective Randomized Trial Comparing Alumina Ceramic-On-Ceramic with Ceramic-on-Conventional Polyethylene Bearings in Total Hip Arthroplasty: Up to 10 Years Follow-up in Patients Under Age 60

Peter Lewis, St Michael's Hospital, Toronto; Ali Al-Belooshi, St Michael's Hospital, Toronto; Michael Olsen, St Michael's Hospital, Toronto; Emil H. Schemitsch, St Michael's Hospital, Toronto; James P. Waddell, St Michael's Hospital, Toronto

48 – 1306

Randomised Double-blinded Study Comparing Clinical Outcome and Gait Characteristics After Large Diameter Head Total Hip Arthroplasty (LDH-THA) and Hip Resurfacing (HR)

Martin Lavigne, Université de Montréal; Julie Nantei, Université de Montréal; Alain G. Roy, Université de Montréal; François Prince, Université de Montréal; Pascal-André Vendittoli, Université de Montréal; Marc Therrien, Université de Montréal

49 – 1312

Biomechanical Reconstruction of the Hip: 28mm THA versus Large Diameter Head THA versus Hip Resurfacing

Martin Lavigne, Université de Montréal; Payam Farhadnia, Université de Montréal; Pascal-André Vendittoli, Université de Montréal

1318 Discussion

50 – 1327

Proximal versus Fully Porous Coated Femoral Stems: A Multicentre Randomised Trial

Steven J.M. Macdonald, University Hospital, University of Western Ontario; Robert L. Barrack, Washington University Department of Orthopaedic Surgery; Jeffrey F. Guerin, University Hospital, University of Western Ontario; Richard W. McCalden, University Hospital, University of Western Ontario; Eric Bohm, University of Manitoba Joint Replacement Group; Robert B. Bourne, University Hospital, University of Western Ontario; Cecil H. Rorabeck, University Hospital, University of Western Ontario

51 – 1333

Cemented and Cementless Total Hip Arthroplasty: Results of a Randomised Controlled Trial at 17 to 21 Years Follow-up

Keegan Au, London Health Sciences Centre; **Kristoff Gorten**, University Hospital, University of Western Ontario; Robert B. Bourne, University Hospital, University of Western Ontario; Cecil H. Rorabeck, University Hospital, University of Western Ontario; Andreas Laupacis, Li Ka Shing, Knowledge Institute of St. Michael's Hospital

52 – 1339
Total Hip Replacement Surgery Utilizing the Echelon Primary Femoral Stem
 Peter Lewis, St. Michael's Hospital, Toronto; Michael Olsen, St. Michael's Hospital, Toronto; Emil H. Schemitsch, St. Michael's Hospital, Toronto; James P. Waddell, St. Michael's Hospital, Toronto

1345 Discussion

53 – 1354
Radiographic Review of Limb Length Discrepancy in Total Hip Arthroplasty
 Mitchell J. Wriemaker, Hamilton Arthroplasty Group, Hamilton Health Sciences Henderson Hospital; Anthony Staibano, McMaster University; Danielle Petruccielli, Hamilton Arthroplasty Group, Hamilton Health Sciences Henderson Hospital; Justin de Beer, Hamilton Arthroplasty Group, Hamilton Health Sciences Henderson Hospital; **Carlos Lopez**, McMaster University Faculty of Health Sciences

54 – 1400
Determination of Novel Anatomical Landmarks for Use in Navigated Hip Replacement in the Lateral Position

Andrew Warner, Robarts Research Institute; **Douglas Naudie**, London Health Sciences Centre, University Hospital; Xunhua Yuan, Robarts Research Institute; Robert B. Bourne, London Health Sciences Centre, University Hospital; Cecil H. Rorabeck, London Health Sciences Centre, University Hospital; David Holdsworth, Robarts Research Institute

55 – 1406
Early Experience of Hueter-anterior Approach for Hip Resurfacing
 Paul-Edgar Beaulé, University of Ottawa; Benoit Benoit, University of Ottawa

56 – 1412
Computer Navigated Hip Resurfacing: An Evaluation of Accuracy and Learning Curve
 Michael Olsen, St. Michael's Hospital; Edward T. Davis, Royal Orthopaedic Hospital, Birmingham, U.K.; James P. Waddell, St. Michael's Hospital; Emil H. Schemitsch, St. Michael's Hospital

1418 Discussion

1300-1430 **COA Paper Session 7: Trauma Lower Extremity 1** • Rainbow Theatre
 Moderators Brad Petrisor, ON, and Hans J. Kreader, ON

57 – 1300
Even Undisplaced Fracture Neck of Femur Can Result into Poor Outcome Depending on Associated Co-morbidities: A Study of AO Cannulated Screws Done in 315 Patients
 Vishal Upadhyay, Poole General Hospital, U.K.; Ajay Sahu, Stepping Hill Hospital, U.K.; Charalambos P. Charalambous, Poole General Hospital, U.K.; N. Harshwardena, Poole General Hospital, U.K.; Heath P. Taylor, Poole General Hospital, U.K.; Mark Farrar, Poole General Hospital, U.K.

58 – 1306
A Study Analysing the Outcome of AO Cannulated Screws for the Fracture Neck of Femur in Patients with Diabetes Mellitus
 Vishal Upadhyay, Poole Hospital NHS Trust, U.K.; Ajay Sahu, Poole Hospital NHS Trust, U.K.; Ravi Mahajan, Royal Bournemouth Hospital NHS Trust, U.K.; Heath Taylor, Poole Hospital NHS Trust, U.K.; Mark Farrar, Poole Hospital NHS, Trust, U.K.

59 – 1312
Hip Fracture Complications and 30-day Mortality Outcomes within Acute Care in Canada from 2001-02 to 2003-04
 Gisele M. Carriere, Statistics Canada; Pierre Guy, UBC

1318 Discussion

60 – 1327
Percutaneous Reduction and Fixation of Acetabulum Fractures in Elderly Patients
 Joshua Gary, UTSW; **Kelly Lefavre**, UBC; Frank Gerold, UTSW; Michael Hay, UTS; Charles M. Reinert, UTSW; Adam J. Starr, UTSW

61 – 1333
Modified Stoppa Approach for Acetabular Fractures of the Elderly Patient
 G. Yves Lafamme, Hôpital du Sacré-Coeur; Benoit Benoit, Hôpital du Sacré-Coeur; Stéphane Leduc, Hôpital du Sacré-Coeur; **Jonah Hebert-Davies**, Université de Montréal

62 – 1339
Mortality Following Cemented and Uncemented Hemiarthroplasty
 Darren Costain, Sault Area Hospital; Sarah L. Whitehouse, Queensland University of Technology; Nicole L. Pratt, University of Adelaide; Stephen E. Graves, University of Adelaide; Ross W. Crawford, Queensland University of Technology

1345 Discussion

63 – 1354
Surgical Delay and its Effect on Mortality in Elderly Hip Fracture Patients: A Systematic Review and Meta-analysis
 Nicole Simunovic, McMaster University; Sheila Sprague, McMaster University; **Mohit Bhandari**, McMaster University

64 – 1400
Prediction of Pulmonary Morbidity and Mortality in Femur Fracture Patients
 Kelly Lefavre, UBC; Wade Smith, Denver Medical Centre; Philip Stahel, Denver Medical Centre; Alan Elliott, UTSW; Adam J. Starr, UTSW

65 – 1406
Endstage Arthritis Following Tibia Plateau Fractures: 10 Year Follow Up
 Ramin Mehini, UBC; Peter O'Brien, UBC; Penny Brasher, UBC; Henry M. Broekhuysse, UBC; Piotr Blachut, UBC; Robert N. Meek, UBC; Pierre Guy, UBC

66 – 1412

Osteotomy for Femoral or Tibial Shaft Malunion in Patients with End-stage Osteoarthritis of the Knee

Arvindera Hag, UBC; Pierre Guy, UBC; Peter J. O'Brien, UBC; Henry M. Broekhuysen, UBC; Robert N. Meek, UBC; Piotr A. Blachut, UBC

1418 Discussion

1300-1430 **COA Paper Session 8: Reconstructive Upper Extremity 1**

- Harmony A/B

Moderators George Athwal, ON, and Robert Litchfield, ON

67 – 1300

Association Between the Upward Migration Index and Functional and Quality of Life Outcomes in Arthroscopic Rotator Cuff Repair

Peter Lapner, University of Ottawa; Emilio Lopez, University of Ottawa; Felipe Pereira, University of Ottawa; Salah Elfaridi, University of Ottawa; David Simon, University of Ottawa

68 – 1306

Does Physical Examination of the Shoulder Predict Patient-reported Functional Outcome in Patients with Previous Proximal Humerus Fractures?

Gerard Slobogean, UBC; Akin Famuyide, UBC; Vanessa Noonan, UBC; Peter J. O'Brien, UBC

69 – 1312

Impact of Compensation Claims on Surgical Outcome in Patients with Rotator Cuff Related Pathologies

Richard M. Hottby, Holland Orthopaedic and Arthritic Centre; Helen Razmjou, Holland Orthopaedic and Arthritic Centre; Iona MacRitchie, Holland Orthopaedic and Arthritic Centre

1318 Discussion

70 – 1327

Contact Pressures and Glenohumeral Translations Following Subacromial Decompression: How Much is Enough?

Patrick Denard, OHSU; Timothy Bahney, OHSU; Robert M. Orfaly, OHSU

71 – 1333

The Effect of Posterior Capsular Tightness on Pressure in the Subacromial Space

Peter Lapner, University of Ottawa; Philippe Poitras, University of Ottawa; Othman Ramadan, University of Ottawa; Stephen Kingwell, University of Ottawa; Donald Russell, Carleton University

72 – 1339

Contact Area, Contact Pressure and Load-failure of 3 Rotator Cuff Repair Method: A Biomechanical Analysis

Frédéric Balg, Université de Sherbrooke; Josianne Lepine, Université de Sherbrooke; Nicolas Huppe, Université de Sherbrooke; Eve Langeller, Université de Sherbrooke; Denis Rancourt, Université de Sherbrooke

1345 Discussion

73 – 1354

Patient Reported Activities After Shoulder Replacement: Hemiarthroplasty versus Total Shoulder Arthroplasty

Peter Zarkadas, Lions Gate Hospital; Thomas Throckmorton, Mayo Clinic; Diane Dahm, Mayo Clinic; John Sperling, Mayo Clinic; Robert Corfield, Mayo Clinic

74 – 1400

Cemented versus Uncemented Fixation of Humeral Components in Total Shoulder Arthroplasty for Osteoarthritis of the Shoulder

Robert Litchfield, University of Western Ontario; Michael D. McKee, St. Michael's Hospital; Robert A. Balyk, University of Alberta; Scott J. Mandel, Hamilton General Hospital; Richard M. Hottby, Orthopaedic and Arthritic Hospital; Robert Hollinshead, University of Calgary; Robert MacCormack, Royal Columbian Hospital; Darren S. Prosdoweck, University of Western Ontario; Sharon H. Griffin, University of Western Ontario

75 – 1406

Bony Increased-offset Reverse Shoulder Arthroplasty (BIO RSA): A Biologic Solution to Scapular Notching, Prosthetic Instability and Limited Shoulder Rotation

Ryan Bicknell, Queen's University; Pascal Boileau, University of Nice; Yannick Roussanne, University of Nice; Nicolas Brassart, University of Nice; Chris Chuiuard, University of Nice

76 – 1412

Propionibacterium Acnes Infections in Revision Shoulder Surgery: An Analysis of 20 Consecutive Cases with Positive Intra-operative Cultures

Ryan Bicknell, Queen's University; Frederick A. Matsen, University of Washington; Alex Bertelsen, University of Washington; Paul Pottinger, University of Washington

1418 Discussion

1300-1430

COA Paper Session 9: Foot and Ankle • Garibaldi B

Moderators Alastair S.E. Younger, BC, and Murray J. Penner, BC

77 – 1300

An Observational Study of Functional Outcome Scores in Foot and Ankle Trauma

Christina Goldstein, McMaster University; Enil H. Schemitsch, St. Michael's Hospital; Mohit Bhandari, McMaster University; George Mathew, McMaster University; Brad Petrisor, McMaster University

78 – 1306

Do Lower Extremity Outcome Questionnaires Used to Assess Ankle Replacements and Fusions Really Capture What Patients Want Us to Hear?

Timothy R. Daniels, University of Toronto; Ellie Pinsker, University of Toronto; Taucha Inrig, University of Toronto; Kelly Warrington, University of Toronto; Dorcas Beaton, University of Toronto

79 – 1312 Preference-based Quality of Life in End-stage Ankle Arthritis, Total Ankle Arthroplasty, and Ankle Arthodesis
Gerard Slobogean, UBC; Alastair S.E. Younger, UBC; Carlo A. Marra, UBC; Kevin J. Wing, UBC; Murray J. Penner, UBC; Mark Glazebrook, Dalhousie University; On Behalf of the Canadian Orthopaedic Foot and Ankle Society, UBC

1318 Discussion

80 – 1327

RSA Results for an Un-cemented Mobile-bearing Total Ankle Arthroplasty System
Andrea Veklicovic, Dalhousie University; Jason Fong, Dalhousie University; Allan Henigar, Dalhousie University; David R. Wilson, Dalhousie University; Michael J. Dunbar, Dalhousie University; Mark Glazebrook, Dalhousie University

81 – 1333

Achilles Insertional Tendinopathy Treated By a Posterior Midline Approach: A Safe Procedure

Stéphane Leduc, Université de Montréal; Michael P. Clare, Florida Orthopaedic Institute; Scott Swanson, Florida Orthopaedic Institute; Arthur K. Walling, Florida Orthopaedic Institute

82 – 1339

Opening-wedge versus Proximal Chevron Osteotomy for Hallux Valgus with Increased Internatarsal Angle

Peter Copithorne, Dalhousie University; Timothy R. Daniels, University of Toronto; Mark Glazebrook, Dalhousie University

1345 Discussion

83 – 1354

Relation tibia-peroniere distale sur vue fluoroscopique Laterale

Benoit Benoit, Université de Montréal; Stéphanie Grenier, Université de Montréal; G. Yves Lafamme, Université de Montréal; Dominique Rouleau, Université de Montréal; Stéphane Leduc, Université de Montréal

84 – 1400

Operative versus Non-operative Treatment of Achilles Tendon Ruptures: A Randomised Controlled Trial

Kevin Willits, The University of Western Ontario; Nicholas G.H. Mohitadi, University of Calgary; Crystal Kean, The University of Western Ontario; Dianne Bryant, The University of Western Ontario; Annunziato Amendola, University of Iowa

85 – 1406

To Assess Moderate-term Outcomes of Silastic Joint Replacements of the First Metatarsophalangeal Joint

Vishal Upadhyay, Poole General Hospital, U.K.; Ravi H. Mahajan, Stepping Hill Hospital; Ajay Sahu, Stepping Hill Hospital; Usman Butt, Stepping Hill Hospital; Amir Khan, Stepping Hill Hospital; Rakesh B. Datal, Stepping Hill Hospital

86 – 1412 Early Ankle Fracture Fixation Can Lead to Reduced Length of Stay: The Window of Opportunity

Vishal Upadhyay, Poole General Hospital, U.K.; Ajay Sahu, Poole General Hospital, U.K.; N. Harshvardana, Poole General Hospital, U.K.; Charalampos P. Charalambous, Stepping Hill Hospital, U.K.; Richard Hartley, Poole General Hospital, U.K.

1418 Discussion

1430-1500

Break

1500-1730

CORA Paper Session ● Harmony A/B

Moderators: Kishore Mulpuri, BC, and Nelson V. Gredanus, BC

1500-1509

CORA Opening Remarks

Kelly Apostle, BC, and Gerard Slobogean, BC

CORA 1 - 1509

Graft Tensioning in Anterior Cruciate Ligament Reconstruction: A Systematic Review of Randomised Controlled Trials

Shalinder Arneja, UBC; M. McConkey, K. Mulpuri, P. Chin, M. Gilbert, W. Regan, J. Leith

CORA 2 – 1518

Inappropriate Referrals to Paediatric Orthopaedic Surgeons: How Can We Identify and Decrease Them?

Alberto Carli, McGill University, N.D. Oliel, R. Hamdy

CORA 3 – 1527

Chondroitinase ABC and Acute Electrical Stimulation are Beneficial for Muscle Reinnervation After Sciatic Nerve Transection in Rats

Frédéric-Charles Cloutier, Université de Montréal; E. Beaumont, D. Rouleau, P. Beaumont, M. Atlan

CORA 4 – 1536

Prospective Randomised Controlled Study Comparing a DBM-CASQ, Composite Graft and Bone Marrow Aspirate with Autologous Iliac Crest Bone Graft in One-Level and Two-Level Lumbar and Lumbosacral Spinal Fusions

Alexandra Soroceanu, Dalhousie University; D. Alexander, W. Oxner, A. Kelly, D. Shakespeare

CORA 5 – 1545

The Association Between Passive Range of Motion and Early Clinical Outcomes Following Shoulder Rotator Cuff Repair Surgery

Justin Leblanc, University of Calgary; K. Pleisch, B. Lau, G. Redman, I. Lo, R. Boorman

CORA 6 – 1554

Biomechanical Reconstruction of the Hip: 28mm THA versus Large Diameter Head THA versus Hip Resurfacing

Payam Farhadnia, Université de Montréal; M. Lavigne, Pascal-André Vendittoii

1604-1615

Break

CORA 7 – 1615
Generalized Ligamentous Laxity as a Predisposing Factor for Primary Anterior Shoulder Dislocation

Jaskarrndip Chahal, University of Toronto, T. McCarthy, J. Letter, D. Whelan

CORA 8 – 1624
Quantification of Pronator Quadratus Contribution to Isometric Pronation Torque of the Forearm

Mark O. McConkey, UBC, T.D. Schwab, A. Travlos, T.R. Oxland, T. Goetz

CORA 9 – 1633

The Role of Interleukin 6 During Knee Osteoarthritis After ACL Injury in Experimental Mice

Khaled Alshakman, McMaster University

CORA 10 – 1642

The Effect of Hypoxia on Chondrocyte Phenotype in Scaffold Repair of Articular Cartilage Defects

Julian Semik, University of Alberta, N. Jomha, K. Bagnall, C. Secretan, M. Lund

CORA 11 – 1651

Ankle Arthroplasty and Ankle Arthrodesis - Prospective Gait Analysis Compared to Controls

Syndie Singer, University of Toronto, S. Klejman, E. Pinsker, R. Khan, T.R. Daniels

CORA 12 – 1700

Improving Waiting Times and Resource Utilization in the Cast Clinic

Peter Lewkonina, University of Calgary, P. Duffy, T. Rohleder

1709-1715

Closing Remarks

K. Apostle, G. Slobogean

1500-1525

RI Harris Lecturer, Dr. Robin R. Richards: Orthopaedic Surgery, the Journey of a Life Time: Lessons Learned Along the Way Sea to Sky Ballroom A

1525-1545

Samson Award Presentation and Lecture
 Dr. Benjamin A. Alman: Role of Signaling Pathways in Musculoskeletal Pathologic and Reparative Processes Sea to Sky Ballroom A

1545-1550

Founders' Medal Presentation Sea to Sky Ballroom A

1550-1715

Symposium 3: Combined CORS/COA Symposium - Early Hip Osteoarthritis ● Sea to Sky Ballroom A

Moderator David R. Wilson, BC

Objectives:

At the end of this session, attendees will:

1. Understand the biomechanics of normal hips and hip deformities associated with osteoarthritis, as well as the limitations of current hip biomechanical assessment.
2. Understand the diagnosis, imaging, and surgical treatment of hip dysplasia, acetabular labral tears and femoroacetabular impingement syndrome.

Biomechanics of the Normal and Deformed Hip

David R. Wilson, BC

Hip Dysplasia: Imaging and Surgical Treatment

Donald Garbuz, BC

Femoroacetabular Impingement: Imaging, Diagnosis and Open Surgical Management

Paul-Edgar Beaulé, ON

Arthroscopic Approaches For Femoroacetabular Impingement and Labral Tears

Michael Gilbert, BC

1545-1715 Hands-on Workshops (Ticketed):

1545-1715

W1 Distal Radius ● Westin Hotel- Emerald B Room

Moderators Bertrand H. Perey and Steven Papp

Objectives: Participants of this workshop will gain a better understanding of the indications for volar plate fixation of the distal radius. With the help of videos and sawbones, the participants should be able master the various surgical techniques.

Acknowledgement is given for the unrestricted educational grant from Synthes Canada and Stryker Canada to help make the session above possible.

1545-1715

W2 Lower Limb Alignment: Case Studies and Surgical Techniques - Foot & Ankle Procedures for General Orthopods

● Westin Hotel—Alpine ABC Room

Moderator John T.C. Lau, ON

Objectives: At the end of this session the participant will be able to

1. Describe the basic science between altered joint mechanics and joint degeneration.
2. Describe the principals of joint realignment to restore normal joint mechanics.
3. Understand the principals and techniques of supramalleolar, ankle, calcaneal, and metatarsal osteotomies.

Supra Malleolar Osteotomy Case

Alastair S.E. Younger

Workshop Station 1 : Distal Tibial Osteotomies (Wright Medical & Arthrex)
 Sawbones Instructors: Alastair S.E. Younger, Murray J. Penner, John T.C. Lau
 Featured Products: Wright Medical Darco plates, Biofoam Wedges, Arthrex Puddu Plates

Calcaneal Osteotomies

Terence Saxby, Australia, Speaker of the Royal College of Physicians and Surgeons of Canada

Workshop Station 2: Calcaneal Osteotomies (Wright Medical)

Sawbones Instructors: Terence Saxby, Kevin J. Wring, Iain S. Russell
 Featured products: Wright Medical DARCO PIA plate, Biofoam & Cancellor-pure wedges

1st MT Osteotomies

Mark Glazebrook

Workshop Station 3: Proximal metatarsal Osteotomies (Wright Medical & Arthrex)

Sawbones Instructors: Mark Glazebrook, Jean-Pascal Allard, Matthew Di Silvestro, Karl-André Lalonde
 Featured products: Wright Medical DARCO LPS and BOW plates; Arthrex LPS System

Ankle Incongruity/Instability

Monika Volesky

Workshop Station 4: Syndesmosis Instability (Arthrex)

Sawbones Instructors: Monika Volesky, Pradeep Alexander
 Featured products: Arthrex Tightrope system, Arthrex Biotenodesis

Wrap-up and thank you

Mark Glazebrook

Acknowledgement is given for the unrestricted educational grant from Arthrex and Wright Medical to help make the session above possible.

1545-1715

W3 Anatomic ACL Reconstruction Workshop

- Westin Hotel - Emerald A Room

Moderators J. Robert Giffin, ON, and Mark Heard, AB

Description and Objectives: This hands on cadaveric workshop is directed at experienced ACL surgeons (>50 ACL reconstructions per year) who are involved in the care of high level athletes and wish to learn more about nuances related to anatomic placement of single and double bundle ACL grafts.

Acknowledgement is given for the unrestricted educational grant from Smith & Nephew Canada to help make the session above possible.

1715-1815 **Symposium 4: Intimate Partner Violence (IPV) and The Orthopaedic Surgeon: A Call for Action** ● Sea to Sky Ballroom A
 Moderator Mohit Bhandari, ON

Objectives:

1. To provide a definition of IPV and magnitude of the problem in Canada.
2. To educate attendees about the relevance of IPV to the orthopaedic community.
3. To provide a review of musculoskeletal injuries associated with IPV.
4. To engage attendees in a call for future work in IPV.

If I Only Knew... Reflections from Practice

R.H. Brett Dunlop, ON

IPV: The Who, What, When and Why?

Clare Freeman, UK

A Call for Action: The Role of the Orthopaedic Surgeon

Emil H. Schernitsch, ON

IPV and Associated Injuries: What Should We Look For?

Brad Petrisor, ON

IPV and Orthopaedics: Why Should We Care?

Mohit Bhandari, ON

Discussion