

POSTERS

COA and CORS Scientific Posters

Posters can be viewed for the duration of the meeting in the Grand Ballroom Foyer

<u>Activity</u>	<u>Date</u>	<u>Time</u>
Poster Mounting begins:	Friday, June 2 ND	1130
Must be completed by:	Friday, June 2 ND	1500
Poster Exhibit:	Friday, June 2 ND	1530 – 2000
	Saturday June 3 RD	0700 – 1900
	Sunday, June 4 TH	0700 – 1100
Poster Dismantling begins:	Sunday, June 4TH	1100 – 1230
Must be completed by:		1300
Poster viewing with authors:	Friday, June 2 ND	1530 – 1600 1900 – 2100

¹ Canadian Orthopaedic Foundation / *Hip Hip Hooray!* Funded

² Industry/Grants = denotes funding

CORS SCIENTIFIC POSTERS

- 1 Evaluation of collagen gel contraction by anterior and posterior capsule cells
K. Hildebrand, Calgary, AB
M. Zhang, Calgary, AB

- 2 The Effect of Digitized Area on the Prediction of Spherical Geometries for Computer-Assisted Surgery²
L. Ferreira, London, ON
J. Johnson, London, ON
G. King, London, ON
K. Whitney, London, ON

- 3 Elevated expression in the acute phase of joint contractures²
N. Germscheid, Calgary, AB
K. Hildebrand, Calgary, AB
M. Zhang, Calgary, AB

- 4 Surface Morphology of the Capitellum: Implications for Computer-Assisted Elbow Surgery
J. Brownhill, London, ON
L. Ferreira, London, ON
J. Johnson, London, ON
G. King, London, ON
C. McDonald, London, ON
T. Peters, London, ON

- 5 The Effect of Compressive Load Magnitude on Radiocapitellar Joint Contact Mechanic
J. Johnson, London, ON
G. King, London, ON

POSTERS

S. Willits, London, ON

- 6 Tissue Concentration of Photosensitiser in Rats with Metastatic Breast Cancer: Time – Point Determination for Photodynamic Therapy Treatment (PDT) of Metastasis in the Spine ²
M. Akens, Toronto, ON
S. Bisland, Toronto, ON
S. Burch, San Francisco, CA
C. Whyne, Toronto, ON
B. Wilson, Toronto, ON
A. Yee, Toronto, ON
- 7 Morphologic Analysis of the Proximal Ulna with Special Interest in Elbow Implant Sizing and Alignment ²
J. Brownhil, London, ON
L. Ferreira, London, ON
J. Johnson, London, ON
G. King, London, ON
G. Mozzon, London, ON
- 8 A New Technique for Arthroscopic Assisted Percutaneous Operative Management for Closed Tibial Plateau ²
S. Aharinejad, Vienna, AUSTRIA
S. Becker, Vienna, AUSTRIA
C. Fialka, Vienna, AUSTRIA
M. Hexel, Vienna, AUSTRIA
F. Landsiedl, Vienna, AUSTRIA
- 9 Prophylactic Augmentation of the Contralateral Femur: A Finite Element Study ²
P. De Bakker, Vancouver, BC
G. Fernlund, Vancouver, BC
P. Guy, Vancouver, BC
T. Oxland, Vancouver, BC
- 10 Association of Proximal Femur Strength and Geometry as Measured by MRI
P. Guy, Vancouver, BC
S. Kotulainen, Vancouver, BC
T. Liu-Ambrose, Vancouver, BC
S.L. Manske, Vancouver, BC
H. Mckay, Vancouver, BC
T. Oxland, Vancouver, BC
- 11 The Flexion of the Ulna: Implications for Intraoperative Elbow Alignment ²
J. Brownhill, London, ON
L. Ferreira, London, ON
J. Johnson, London, ON
G. King, London, ON
J. Pichora, London, ON
- 12 One-Piece Metacarpophalangeal Implants: A Comparative Biomechanical Study
E. Bogoch, Toronto, ON
A. Hussein, Toronto, ON
S. Meguid, Toronto, ON
A-C Stranart, Toronto, ON

Poster not presented

POSTERS

- 13 A Repeatable Bone Quality Measurement Technique Using 3D Stereology
L. Gordon, Toronto, ON
M. Hardisty, Toronto, ON
T. Skrinskis, Toronto, ON
C. Whyne, Toronto, ON
- 14 Periaxial Malrotation Correction for Femoral Shaft Fractures Using Intraoperative Cone-Beam CT
C. Bootsma, Toronto, ON
M. Daly, Toronto, ON
D. Jaffray, Toronto, ON
D. Moseley, Toronto, ON
T. Skrinskis, Toronto, ON
C. Whyne, Toronto, ON
- 15 Creatine Kinase as a Measure of Soft Tissue Injury During Lumbar Surgery ²
M. Denkers, Hamilton, ON
- 16 Projection of the Glenoid Center Point within the Glenoid Vault
G. Athwal, London, ON
R. Cofield, Rochester, MN
D. Rispoli, Lackland AFB, TX
J. Sperling, Rochester, MN
- 17 Systematic Review of Prognostic Factors Affecting Outcomes of Operatively Managed Extremity Fracture
D. Beaton, Toronto, ON
M. Beuerlein, Toronto, ON
M. Heng, Toronto, ON
E. Schemitsch, Toronto, ON
T. Strajkovski, Toronto, ON
B. Zevin, Toronto, ON
- 18 Evaluating Websites for Adolescent Idiopathic Scoliosis (AIS) Using the DISCERN ²
S. Donaldson, Toronto, ON
A. Howard, Toronto, ON
D. Nicholas, Toronto, ON
J. Wright, Toronto, ON
- 19 Prosthesis Displacement in Dislocation of Total Hip Arthroplasty – A Biomechanical Study to Prevent it
S. Evans, Cardiff, WALES
A. John, Cardiff, WALES
K.N. Subramanian, St. Helens, UNITED KINGDOM
A. Temple, Cardiff, WALES
- 20 The Biomechanics of Femurs: Three Techniques
M. Papini, Toronto, ON
E. Schemitsch, Toronto, ON
P. Zalzal, Toronto, ON
R. Zdero, Toronto, ON
- 21 Qualification of Bone Strain Using Image Registration
M. Hardisty, Toronto, ON

Poster not presented

Poster not presented

POSTERS

- T. Szwedowski, Toronto, ON*
C. Whyne, Toronto, ON
- 22 *In-Vitro Lateral Compression Fracture Stability*²
H. Kreder, Toronto, ON
T. Skrinshkas, Toronto, ON
C. Whyne, Toronto, ON
- 23 *Influence of Practice Schedules in the Learning of a Bone Plating Task*
R. Abughaduma, Toronto, ON
D. Backstein, Toronto, ON
H. Carnaghan, Waterloo, ON
A. Dubrowsky, Toronto, ON
D. Leidl, Toronto, ON
- 24 *Lateral Compression Fracture of the Pelvis Yields Complex 3D Patterns of Displacement*²
H. Kreder, Toronto ON
T. Skrinshkas, Toronto, ON
M. Tile, Toronto, ON
C. Whyne, Toronto, ON
- 25 *Results with the Inverse Delta-III Prosthesis in Oarthritis and Multiple Fragment Fracture*
B. Hinkenjann, Bocholt, GERMANY
M. Klein, Bocholt, GERMANY
P. Ostermann, Bocholt, GERMANY
B. Scherger, Bocholt, GERMANY
- 26 *Long-Term Radiographic Changes in Zweymuller Femoral Stems*
U. Debnath, Cardiff, WALES
A. Guha, Cardiff, WALES
S. Karlakki, Wrexham, WALES
J. Wootton, Wrexham, WALES
- 27 *Normal Patterns of Centre of Mass Displacements During Gait in the Normal Adult Population and Their Relation to Pathological Conditions*
J. Amirault, Halifax, NS
M. Dunbar, Halifax, NS
J. Haverstock, Halifax, NS
L. Leahey, Halifax, NS
N. Richard, Halifax, NS

Poster not presented

COA SCIENTIFIC POSTERS

- 28 *The Validation of a Tri-Axial Accelerometry Device for Practical Clinical Gait Analysis*
K. Deluzio, Halifax, NS
M. Dunbar, Halifax, NS
J. Haverstock, Halifax, NS
A. Henderson, Halifax, NS
J. Kozey, Halifax, NS
L. Leahey, Halifax, NS
- 29 *Validation of a new high resolution peripheral computed tomography scanner*
S. Boyd, Calgary, AB

POSTERS

J. Macneil, Calgary, AB

- 30 A Functional Analysis of Ankle Arthroplasty for End-Stage Ankle Arthritis
T. Daniels, Toronto, ON
N. Duggal, Toronto, ON
S. Redekop, Toronto, ON
M. Yeung, Toronto, ON
- 31 Arthroplasty of the First Metatarsophalangeal Joint with a Ceramic Press Fit Implant ¹
D. Lake, Baglan, UNITED KINGDOM
N. Mallya, Baglan, UNITED KINGDOM
N. Talwalkar, Cardiff, WALES
- 32 Reliability of Spot Urine Testing for the Measurement of Metal Ions in Hip Arthroplasty Patients
A. Barin, Calgary, AB
B. Culleton, Calgary, AB
C. Frank, Calgary, AB
K. Gooch, Calgary, AB
K. Novak, Calgary, AB
J. Powell, Calgary, AB
- 33 Humeral Head Replacement for Treatment of Osteoarthritis
G. Athwal, London, ON
R. Cofield, Rochester, MN
D. Rispoli, Lackland AFB, TX
J. Sperling, Rochester, MN
- 34 Evaluation of the Three-Dimensional (3D) Kinematics of the Scapulohumeral Joint ²
N. Hagemester, Montréal, QC
P. Tétrault, Montréal, QC
- 35 Revision Total Elbow Arthroplasty for Prosthetic Fractures ²
G. Athwal, London, ON
B.F. Morrey, Rochester, MN
- 36 Osteolysis and Arthropathy of the Shoulder after use of Bioabsorbable Knotless Suture Anchors
G. Athwal, London, ON
S.W. O'Driscoll, Rochester, MN
S.M. Shridharani, Rochester, MN
- 37 Musculoskeletal Manifestations of Physical Abuse Following Intimate Partner Violence
M. Bhandari, Hamilton, ON
S. Dosanjh, Toronto, ON
D. Matthews, Minneapolis, MN
P. Tornetta III, Boston, MA
- 38 In Vivo Performance of VersaBond® Bone Cement in Total Hip Arthroplasty using RSA ²
R. Bourne, London, ON
D. Holdsworth, London, ON
S. MacDonald, London, ON
R. McCalden, London, ON
D. Naudie, London, ON

POSTERS

C. Rorabeck, London, ON

- 39 Determinants of Patient Satisfaction Following Primary Total Knee Arthroplasty
C. Duncan, Vancouver, BC
D. Garbuz, Vancouver, BC
N. Greidanus, Vancouver, BC
B. Masri, Vancouver, BC
S. Patil, Vancouver, BC
- 40 Prospective Evaluation of Cemented Versus Press-Fit Fixation in NexGen Cruciate-Retaining TKR
D.G. Allan, Springfield, IL
E. Joy, Springfield, IL
M. Paliwal, Springfield, IL
- 41 Sharing Trial Results ²
B. Alman, Toronto, ON
S. Donaldson, Toronto, ON
D. Hedden, Toronto, ON
A. Howard, Toronto, ON
N. Khetani, Toronto, ON
J. Wright, Toronto, ON
- 42 *In Vivo* Wear of Large Femoral Heads on Highly Cross-Linked Polyethylene ²
H.D. Amstutz, Los Angeles, CA
B. Aspey, Los Angeles, CA
P. Beaulé, Ottawa, ON
E. Ebramzadeh, Los Angeles, CA
J. Martell, Chicago, IL
- 43 Expectations of Recovery from Revision Knee Replacement ²
A. Davis, Toronto, ON
M. Gignac, Toronto, ON
N. Mahomed, Toronto, ON
V. Vendkataramanan, Toronto, ON
- 44 Quantifying Femoral Head-Neck Offset in the Diagnosis of Femoroacetabular Impingement
P. Beaulé, Ottawa, ON
F. Dorey, Los Angeles, CA
N. Harvey, Santa Monica, CA
E. Zaragoza, Santa Monica, CA
- 45 Femoral Head Blood Flow During Hip Resurfacing ²
P. Beaulé, Ottawa, ON
P. Campbell, Los Angeles, CA
R. Hoke, Los Angeles, CA
- 46 Validation of a New Functional Test for the Shoulder
K. Badra Quirion, Hamilton, ON
M. Ghobrial, Hamilton, ON
J. Macdremid, Hamilton, ON
M. St-Amour, Hamilton, ON
T. Tsui, Hamilton, ON

Poster not presented

POSTERS

- 47 Accuracy Improvement of RSA
R. Bourne, London, ON
D. Holdsworth, London, ON
C. Rorabeck, London, ON
X. Yuan, London, ON
- 48 Ceramic Femoral Component In Total Knee Arthroplasty ²
S. Bal, Columbia, MO
R. Friedman, Charleston, SC
- 49 Cement as a Screw Locking Mechanism in Acetabular Revision: A Biomechanical Analysis
G. Alami, Montréal, QC
G.Y. Laflamme, Montréal, QC
F. Zhim, Montréal, QC
- 50 Long Term Results of Patello-Femoral Arthroplasty
J. Cameron, Toronto, ON
- 51 Improved Outcome in Femoral Revision Arthroplasty with Tapered, Fluted, Modular Titanium Stems
C. Duncan, Vancouver, BC
D. Garbuz, Vancouver, BC
N. Greidanus, Vancouver, BC
B. Masri, Vancouver, BC
A. Toms, Vancouver, BC
- 52 Biomechanical Analysis of Femoral Neck Fractures in Hip Resurfacing: Valgus vs. Neutral Alignment ²
J. Antoniou, Montréal, QC
D. Giannitsios, Montréal, QC
C. Richards, Montréal, QC
T. Steffen, Montréal, QC
- 53 Resection Arthroplasty of the Glenohumeral Joint
G. Athwal, London, ON
R. Cofield, Rochester, MN
D. Rispoli, Lackland AFB, TX
J. Sperling, Rochester, MN
- 54 Acetabular Revision using Trabecular Metal with Limited Host Bone Contact
D. Backstein, Toronto, ON
A. Gross, Toronto, ON
C. Kellett, Toronto, ON
R. Korley, Toronto, ON
M. MacDonald, Toronto, ON
R. Story, Toronto, ON
- 55 Correlation between SF-36 Scores at Home and Clinic in Patients Waiting for Hip or Knee Arthroplasty
K. Barin, Calgary, AB
C. Frank, Calgary, AB
K. Gooch, Calgary, AB
J. Werle, Calgary, AB

Poster not presented

Poster not presented

POSTERS

- 56 In High Tibial Osteotomy: A Cut Made at the Level of the Tibial Tuberosity Minimizes the Effect of Increasing the Posterior Tibial Slope and Lowering the Patella when Compared to a Cut Made Proximal to the Tuberosity; a Roentgenographic Comparison ²
R. Boscarol, Kingston, ON
G. Dervin, Ottawa, ON
W. Matar, Ottawa, ON
- 57 Gait Analysis After Total Hip Resurfacing and THA ²
M. Lavigne, Montréal, QC
F. Prince, Montréal, QC
P.A. Vendittoli, Montréal, QC
V. Villaggi, Montréal, QC
- 58 Total Hip Arthroplasty for Developmental Dysplasia of the Hip after Pelvic Osteotomy
N. Aslam, Toronto, ON
E. Schemitsch, Toronto, ON
K. Tokunaga, Toronto, ON
J. Waddell, Toronto, ON
- 59 In Vivo Performance of VersaBond® Bone Cement in Total Knee Arthroplasty using RSA ²
R. Bourne, London, ON
D. Holdsworth, London, ON
S. MacDonald, London, ON
R. McCalden, London, ON
D. Naudie, London, ON
C. Rorabeck, London, ON
X. Yuan, London, BC
- 60 Orthopaedic Surgery Core Curriculum - Hip/Knee Reconstruction ²
P. Dev, Stanford, CA
J. Halpern, Stanford, CA
W.J. Maloney, Stanford, CA
R. Olshen, Stanford, CA
V. Wadey, Québec City, QC
D. Walker, Stanford, CA
- 61 Orthopaedic Surgery Core Curriculum - Foot and Ankle Reconstruction ²
P. Dev, Stanford, CA
J. Halpern, Stanford, CA
R. Olshen, Stanford, CA
V. Wadey, Québec City, QC
D. Walker, Stanford, CA
A. Younger, Vancouver, BC
- 62 Short-Term Clinical Outcome of Patients Treated with a Metal-on-Metal Resurfacing Hip Replacement ²
D.G. Allan, Springfield, IL
M. Paliwal, Springfield, IL
- 63 Plating of Fresh Clavicular Fractures
G. Packer, Westcliff, UNITED KINGDOM
C. Sivaji, Westcliff, UNITED KINGDOM
S. Venkatachalam, Westcliff, UNITED KINGDOM

POSTERS

- 64 Functional Outcomes Following Non-Recurrent Dislocation of Primary Total Hip Arthroplasty
R. Crawford, Brisbane, AUSTRALIA
M.E. Forsythe, Riverview, NB
D. Jon, Brisbane, AUSTRALIA
S. Whitehouse, Brisbane, AUSTRALIA
- 65 Effect of Pre-emptive Oral Analgesics on Length of Hospital Stay Following Total Joint Arthroplasty
D.G. Allan, Springfield, IL
T. Duellman, Springfield, IL
- 66 The Cost-Effectiveness of Revision Total Knee Arthroplasty
A. Burns, London, ON
B. Chesworth, London, ON
S. Macdonald, London, ON
C. Rorabeck, London, ON
- 67 Flexible Nails in Children; The Sunderland Experience
G. Akra, Newcastle Upon Tyne, UNITED KINGDOM
S. Roysam, Sunderland, UNITED KINGDOM
- 68 Lateral Retinacular Release for Patello-Femoral Joint Disorders: A Series of 123 Patients
D. Lie, SINGAPORE
A. Wee, SINGAPORE
- 69 Early Revisions for Hip and Knee Replacements in the Canadian Joint Replacement Registry
E.J. Shi, Toronto, ON
- 70 The Impact of Morbid Obesity on Clinical Outcome Following Total Knee Arthroplasty
R. Bourne, London, ON
B. Chesworth, London, ON
S. MacDonald, London, ON
R. McCalden, London, ON
V. Rajgopal, London, ON
C. Rorabeck, London, ON
- 71 A Prospective Study on the Outcome Analysis of the Oxford Unicompartmental Knee Arthroplasty: A Comparison in Patient Outcome Scores of Day Surgery and Same Day Admissions²
M. Forbes, Dartmouth, NS
M. Glazebrook, Halifax, NS
D. Legay, Dartmouth, NS
V. Venugopal, Dartmouth, NS
- 72 Initial Validation of In-Training Assessment Tools Used to Measure Resident Performance
G. Bordage, Chicago, IL
S. Downing, Chicago, IL
K. Faber, London, ON
J. Macdermid, London, ON
- 73 The Influence of the PCL and Component Design in Joint Line Position Following Primary TKA
K. Harato, Tokyo, JAPAN
H. Matsumoto, Tokyo, JAPAN

POSTERS

K. Matsuzaki, Tokyo, JAPAN
T. Nagura, Tokyo, JAPAN
T. Otani, Tokyo, JAPAN
Y. Suda, Tokyo, JAPAN
Y. Toyama, Tokyo, JAPAN

- 74 Acute Deep Infection following Surgical Fixation of Proximal Humerus Fractures
G. Athwal, London, ON
R.H. Cofield, Rochester, MN
D.M. Rsipoli, San Antonio, TX
J.W. Sperling, Rochester, MN
- 75 Results of a Biomechanically Optimized Lumbosacral Fixation Construct in Adult Spinal Reconstruction
D. Bednar, Hamilton, ON
N. Zabtia, Hamilton, ON
- 76 Offset Correction and Risk of Femoroacetabular Impingement After Hip Resurfacing ²
P. Beaulé, Ottawa, ON
N. Harvey, Santa Monica, CA
M. Leduff, Los Angeles, CA
- 77 The Effect of Modular Stems on Dislocation Rates After Revision Total Hip Arthroplasty
E. Bohm, Winnipeg, MB
C. Burnell, Winnipeg, MB
D. Hedden, Winnipeg, MB
J. Old, Winnipeg, MB
- 78 Two Novel Forms of Fixation for Vertical Femoral Neck Fractures: A Biomechanical Study ²
D. Sauder, Saskatoon, SK
- 79 Standard Versus Mini Incision THA: Postoperative Pain
C. Richards, Montréal, QC
K. Smith, Montréal, QC
M. Tanzer, Montréal, QC
- 80 Cementless Acetabular Revision: Every Millimeter Counts
M. Tanzer, Montréal, QC
S. Walsh, Montréal, QC
- 81 Meniscus Allograft Replacement for Unicompartmental Osteoarthritis of the Knee
J. Cameron, Toronto, ON
- 82 The Effect of MCL Repair Tension on Elbow Joint Stability ²
J. Brownhill, London, ON
L. Ferreira, London, ON
G. Fraser, London, ON
J. Johnson, London, ON
G. King, London, ON
J. Pichora, London, ON
- 83 Appropriateness of CT and MRI Scans in Low Back Pain
H. Dornan, Ottawa, ON
A. Gruszczynski, Ottawa, ON

Poster not presented

POSTERS

- P. Shim, Ottawa, ON*
L. Vexler, Ottawa, ON
E. Wai, Ottawa, ON
- 84 Peri-operative Cardiovascular Complications between Alignment Systems in Sequential Bilateral TKA
J. de Beer, Hamilton, ON
G. Kousa, Hamilton, ON
T. Vanhelder, Hamilton, ON
- 85 Influence of Obesity on Outcome Following Primary Total Hip Replacement Surgery
R. Coutts, San Diego, CA
R. Santore, San Diego, CA
T. Turgeon, Winnipeg, MB
- 86 Proximal Humerus Fractures: A Systematic Review of Treatment Modalities
D. Drosdowech, London, ON
K. Faber, London, ON
B. Lanting, Srathroy, ON
J. Macdermid, London, ON
- 87 Bipolar Hemiarthroplasty - To Cement or Not to Cement...
R. Leighton, Halifax, NS
T. Wentzell, Halifax, NS
- 88 Tibial Polyethylene Damage in the Genesis-II PS Knee – A Retrieval Study ²
R. Bourne, London
J. Brandt, London, ON
A. Burns, London, ON
S. Kearns, London, ON
S. Macdonald, London, ON
R. McCalden, London, ON
C. Rorabeck, London, ON
M. Skutek, London, ON
C. Young, London, ON
- 89 Minimally Invasive Surgery of the Hip - A Randomized Study ²
M. Charles, Ottawa, ON
R. Feibel, Ottawa, ON
P. Kim, Ottawa, ON
- 90 Randomized Trial Comparing a Titanium to Cobalt Chrome Stem in Revision Hip Surgery ²
A. Conway, Ottawa, ON
P. Kim, Ottawa, ON
- 91 Persistent Ulnar Neuritis Following Total Elbow Replacement
G. Athwal, London, ON
B.F. Morrey, Rochester, MN
D. Rispoli, Lackland AFB, TX
- 92 Quality of Life Outcomes in Revision versus Primary Total Hip Arthroplasty: A Prospective Study
C. Duncan, Vancouver, BC
D. Garbuz, Vancouver, BC

Poster not presented

POSTERS

N. Greidanus, Vancouver, BC
B. Masri, Vancouver, BC
S. Patil, Vancouver, BC

- 93 Radiological Evaluation and Follow-Up of Distal Femoral Endoprostheses for Tumor Resection

M. Isler, Montréal, QC
M. Nahhas, Montréal, QC
R. Turcotte, Montréal, QC

Poster not presented

- 94 Intraoperative Adverse Events and Associated Acute Postoperative Consequences in Spinal Surgery: Implications for Enhancing Safety Based on Evidence Based Protocols ²

M. Fehlings, Toronto, ON
S. Lewis, Toronto, ON
E. massicotte, Toronto, ON
E. Moro, Curitiba, BRAZIL
MA Neary, Toronto, ON
K. White, Toronto, ON

- 95 Fusion for Degenerative Lumbar Spondylolisthesis – A Systematic Review

H. Braunsfurth, Ottawa, ON
R. Martin, Ottawa, ON
E. Wai, Ottawa, ON

Poster not presented

- 96 Patients Prefer to Participate in Expertise-Based Randomized Clinical Trials

E. Bednarski, Hamilton, ON
D. Bryant, London, ON
P. Devereaux, Hamilton, ON
J. Macdermid, Hamilton, ON
Expertise-based Rct Working Group, Hamilton, ON

Poster not presented

- 97 Volar Distal Radioulnar Joint Instability Treated with Volar and Dorsal Capsular Plication

K. Hildebrand, Calgary, AB
K. Johnston, Calgary, AB

- 98 Test-retest Reliability of Isolated Subscapularis Strength Measures

L. Forwell, London, ON
R. Litchfield, London, ON
T. Rush, London, ON

- 99 Proximal Femoral Growth Disturbance after Antegrade Pediatric Femoral Nailing

T. Carey, London, ON
R. Galpin, Buffalo, NY
K. Leitch, London, ON

- 100 A Comparison of Ceramic on Ceramic to Metal on Plastic Total Hip Replacements in Patients Under 65

E. Bohm, Winnipeg, MB
C. Burnell, Winnipeg, MB
J. Crosby, Winnipeg, MB
D. Hedden, Winnipeg, MB
T. Turgeon, Winnipeg, MB

- 101 Comparison of Effects of Femoral, Tibial and Patellar Component Placements on Patellar Tracking ²

POSTERS

C. Anglin, Vancouver, BC
J. Brimacombe, Vancouver, BC
D. Garbuz, Vancouver, BC
N. Greidanus, Vancouver, BC
A. Hodgson, Vancouver, BC
B. Masri, Vancouver, BC
J. Tonetti, Vancouver, BC
D. Wilson, Vancouver, BC

102 Predictors of Success Following 2-Stage Revision for Total Hip/Total Knee Replacement Infection

E. Bohm, Winnipeg, MB
R. Brinkman, Winnipeg, MB
C. Burnell, Winnipeg, MB
J. Gilmore, Winnipeg, MB
D. Hedden, Winnipeg, MB

103 Frozen Section Biopsy for Infected Nonunion and Osteomyelitis ²

R. Beibel, Ottawa, ON
T. Flood, Ottawa, ON
A. Rodgers, Ottawa, ON

104 Post-Operative Spinal Epidural Hematoma: Management and Neurological Outcome

C. Ames, San Francisco, CA
S. Berven, San Francisco, CA
D. Bradford, San Francisco, CA
J. Cavanilles Walker, San Francisco, CA
S. Hu, San Francisco, CA
G. Swamy, Calgary, AB
B. Tay, San Francisco, CA
P. Weinstein, San Francisco, CA

105 The Use of Calcium Phosphate Bone Cement in Fractures Treatment: A Meta-Analysis

S. Bajammal, Hamilton, ON
M. Bhandari, Hamilton, ON
A.E. Lelwica, Minneapolis, MN

106 Role of Ankle Joint Complex Kinematics and Muscle Activity in Functional Ankle Instability

B. Monteleone, Calgary, AB
R. Zernicke, Calgary, AB
J. Ronsky, Calgary, AB
W. Meeuwisse, Calgary, AB