

POSTERS

COA and CORS Scientific Posters

Posters can be viewed in the Metro Centre until the end of the health break on Sat, June 2. Please note that presenters are responsible for the set-up and removal of their posters.

| | | |
|------------------------|---------------|-----------|
| Poster mounting begins | Thurs, May 31 | 1400-1900 |
| | Fri, June 1 | 0700-0900 |
| Must be completed by | Fri, June 1 | 0900 |

Authors are asked to be at their displays during health breaks Fri, June 1 and Sat, June 2

| | | |
|--------------------|-------------|-----------|
| Poster dismantling | Sat, June 2 | 1600-1900 |
|--------------------|-------------|-----------|

The COA will not assume responsibility for posters remaining after dismantling time.

Poster Presentation Date: Friday, June 1st – Saturday, June 2nd

CORS POSTERS

¹ denotes Canadian Orthopaedic Foundation/Hip Hip Hooray! Funding

² denotes Industry Funding or Grants

Category: CORS Arthroplasty

CORS Poster No. 1

Does Knee Flexion Contracture Lead to Mechanical Overload in Knee Kinetics?

K. Harato, Yokohama city, Japan, Y. Suda, H. Matsumoto, T. Nagura, T. Otani, Y. Toyama, Tokyo, Japan

CORS Poster No. 2

A Comparison Between Normal Western and Normal and TKA Non-Western Subjects: Knee Kinematics and Joint Contact Forces of High Flexion Activities of Daily Living.²

S. M. Smith, A. Hemmerich, R. M. Li, R. A. Cockburn, U. P. Wyss, Kingston, ON

CORS Poster No. 3

The Effect of Cross-Sectional Stem Shape on the Stability of Cemented Implants Subjected to Combined Torsion, Bending, and Shear Loads²

S. Takaki, C. E. Dunning, London, ON

CORS Poster No. 4

The Effect of Implant Stem Material on Bone Strains in the Distal Ulna²

R. L. Austman, B. J. B. Beaton, C. E. Dunning, K. D. Gordon, G. J. W. King, C. E. Quenneville, London, ON

CORS Poster No. 5

Outcome of Proximal Femoral Resection for Severe Spastic Hip Disease

M. Sabo, T. Carey, K. Leitch, London, ON

CORS Poster No. 6

The Structural Performance of the Soft-Tissue Envelope of the Knee is Not Affected by Varus and Valgus Angulation of the Tibial Component: Implications Towards Intraoperative Knee Balancing During AR

G. Mackenzie, B. Beaton, D. Chess, J. Johnson, A. Kedgley, London, ON

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CORS Poster No. 7

Bacterial Growth in Knee Simulator Testing Affects Protein Degradation and Polyethylene Wear²

J. M. Brandt, K. Charron, S. Koval, S.J. Macdonald, J. Medley, L. Zhao, London, ON

CORS Poster No. 8

Station-Variability and Protein Degradation Affected Polyethylene Wear in Knee Simulator Wear Testing²

J. M. Brandt, R.B. Bourne, K. Charron, S.M. MacDonald, R. McCalden, J. Medley, London, ON

CORS Poster No. 9

Fluid-uptake of Polyethylene is Enhanced by Repeated Desiccation, Increased Osmolality, Temperature, Sterilization Technique and Insert Thickness²

J. M. Brandt, K. Charron, S.M. MacDonald, J. Medley, London, ON

CORS Poster No. 10

Establishing a Radiostereometric Analysis (RSA) Technique for Total Ankle Arthroplasty (TAA)²

A. Veljkovic, M. Dunbar, M. Glazebrook, A. Hennigar, D. Wilson, Halifax, NS

CORS Poster No. 11

A Standardized Protocol for Determining Precision and Accuracy of RSA

E. Laende, J. Astephan, M. Dunbar, L. MacLean, D. Wilson, Halifax, NS

CORS Poster No. 12

Implementation and Validation of an Implant-Based Coordinate System for RSA²

E. Laende, M. Dunbar, A. Hennigar, C. Munro, Halifax, NS

Category: CORS Bone/Ligament/Tendon

CORS Poster No. 13

Effect of the Anticancer Drug Doxorubicin and the Protective Agents Amifostine and Dexrazoxane on Bone Mass in Male Rats²

F. Mwale, J. Antoniou, L. E. Chalifour, O. L. Huk, G. Marguier, D. J. Zukor, Montreal, QC

CORS Poster No. 14

Évaluation du comportement mécanique de l'os en fonction d'images tomographiques: application sur des vertèbres porcines²

K. Dupuis, T. Bryant, Y. Petit, Montreal, QC

CORS Poster No. 15

In-vitro Evaluation of the ACL Tension in Passive Deep Knee Bending

S. Amiri, D. Cooke, U. Wyss, Kingston, ON

CORS Poster No. 16

Modelling Hierarchical Levels of Fluid Flow in Bone²

G. C. Goulet, D. Coombe, D. M. L. Cooper, R. F. Zernicke, Calgary, AB

CORS Poster No. 17

Cortical Bone Contributions to Femoral Neck Mass, aBMD and BMC
Cortical Bone Contributions to Femoral Neck Mass, aBMD and BMC

P. Guy, D. M. L. Cooper, B. P. Galm, D. Liu, S. L. Manske, Vancouver, BC

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CORS Poster No. 18

Evaluation of New Bone Structure Using Micro-CT²

R. Li, E. H. Schemitsch, D. J. Stewart, H. P. von Schroeder, Toronto, ON

CORS Poster No. 19

Low Load Behaviour Differences in Medial Collateral Ligament Scars from Domestic Pigs of Two Breeds

K. Hildebrand, N. Germscheid, D. Hart, G. Thornton, Calgary, AB

CORS Poster No. 20

Lateral Collateral Ligament Repair of the Elbow Using Transosseous Sutures Restores Joint Kinematics and Stability²

G. S. Fraser, J. R. Brownhill, L. F. Ferriera, J. A. Johnson, G. King, J. E. Pichora, London, ON

CORS Poster No. 21

Simulation of Wrist Kinematics on the Basis of a Rigid Body Model²

S. Fischli, D. Herren, D. Pichora, R. W. Sellens, Kingston, ON

CORS Poster No. 22

Tracking Fracture Fragments with Fiducial Markers

M. Kunz, R. E. Ellis, J. Rudan, Kingston, ON

CORS Poster No. 23

Monitoring Morphological and Biomechanical Changes in an OVX Rat Model Using *In Vivo* Micro-CT

G. Campbell, S. Boyd, H. Buie, Calgary, AB

Category: CORS Joints & Arthritis

CORS Poster No. 24

Human Elbow Joint Capsule Cell Contractile Properties are Altered by Growth Factors²

K. Hildebrand, D. Hart, M. Zhang, Calgary, AB

CORS Poster No. 25

The Use of MRI and CT to Quantify Joint Contact Area²

S. Willis, J. Johnson, G. King, London, ON

CORS Poster No. 26

Changes in Knee Mechanics are Related to Knee Osteoarthritis Severity²

J. L. Astephen, K. J. Deluzio, M. J. Dunbar, Halifax, NS

Category: CORS Soft Tissue & Spine

CORS Poster No. 27

Granular Hydroxapatite/Tricalcium Phosphate for the Augmentation of Pedicle Screw Pullout Strength in Osteoporotic Bone. An *In Vitro* Experiment.

A. Hashemi, D. A. Bednar, S. Zaida, Hamilton, ON

CORS Poster No. 28

A Novel Rat Model of Spinal Implant Infection

M. K. Ball, H. Burt, J. Cashman, C. Mugabe, S. J. Tredwell, Vancouver, BC

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CORS Poster No. 29

Changing Disease Patterns in Breast Cancer Metastasis to the Spine²

C. Curtis, M. Clemons, T. Skrinskas, C. Whyne, Toronto, ON

CORS Poster No. 30

Direct Measurement of Strain in Tumour-Bearing Vertebrae by Image Registration²

M. R. Hardisty, M. K. Akens, T. Skrinskas, C. M. Whyne, A. Yee, Toronto, ON

CORS Poster No. 31

Quantifying Multilevel Tumour Progression in the Metastatic Spine²

C. Curtis, M. Clemons, T. Skrinskas, C. Whyne, Toronto, ON

CORS Poster No. 32

Mesh-Morphing Algorithms for Generation of Specimen-Specific FE Models of Rat Tail² Vertebrae

I. Alejandro Sigal, M. Hardisty, C. Whyne, Toronto, ON

CORS Poster No. 33

Score Distribution of the Scoliosis Quality of Life Index Questionnaire in Sub-Groups of Patients with Adolescent Idiopathic Scoliosis

M. J. Moreau, D. L. Hill, E. Lou, E. C. Parent, Edmonton, AB

CORS Poster No. 34

The Actipore Implant: Achieving Biointegration

S. R. Campbell, C. Bailey, S. Bailey, K. Gurr, London, ON

CORS Poster No. 35

Reliability of Common Surface Topography Parameters with Adolescent Idiopathic Scoliosis.

D. M. Hedden, D. L. Hill, E. Lou, E. C. Parent, D. P. Smetaniuk, Edmonton, AB

CORS Poster No. 36

Finite Element Analysis of Spinal Injury Mechanisms Under Vertical Loading²

J. Finkelstein, C. Curtis, L. Gordon, T. Skrinskas, T. Szwedowski, C. Whyne, A. Yee, Toronto, ON

Category: CORS Other

CORS Poster No. 37

Development of a Model to Examine Articular Cartilage Repair *Ex Vivo*¹

D. Durand, K. Bagnall, N. Jomha, J. Lakey, C. Secretan, Edmonton, AB

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² denotes Industry Funding or Grants

Category: COA Adult Reconstruction – Hip

COA Poster No. 38

A Biomechanical Comparison of Two Types of Constrained Acetabular Liners²

S. L. Anderson, *W. Dust, Saskatoon SK*

COA Poster No. 39

Factors Affecting Hip Range of Motion in Surface Replacement Arthroplasty²

M. Lavigne, *N. Nuno, D. Plamondon, P. A. Vendittoli, R. Winzenrieth, Montreal, QC*

COA Poster No. 40

Computer Navigation for Hip Resurfacing Surgery²

M. Lavigne, *K. P. Gunther, R. Middleton, R. Nuyts, P. A. Vendittoli, Montreal, QC*

COA Poster No. 41

Increased Acetabular Polyethylene Wear in Relation to Acetabular Inclination and Femoral Offset

R.B. Bourne, *R. Brown, C. Busch, J. A. Gallagher, S. Glyn-Jones, X. Yuan, London, ON*

COA Poster No. 42

Obesity and Joint Replacement Surgery in Canada: Findings from the Canadian Joint Replacement Registry (CJRR)²

R.B. Bourne, *N. DeGuia, M. Keresteci, J. E. Shi, N. Zhu, London, ON*

COA Poster No. 43

The Minimal Clinically Important Difference (MCID) from Primary Total Hip and Knee Arthroplasty for the Western Ontario McMaster University Osteoarthritis Disability Index²

R.B. Bourne, *B. M. Chesworth, A. Davis, N. N. Mahomed, OJRR Study Group, London, ON*

COA Poster No. 44

Return to Sports After Surface Replacement Arthroplasty and Total Hip Arthroplasty: A Randomized Clinical Trial²

M. Lavigne, *V. Massé, A. Roy, P. A. Vendittoli, Montreal, QC*

COA Poster No. 45

Importance of Impact Magnitude When Assembling the Femoral Head onto Morse Taper Femoral Stems Components for Total Hip Arthroplasty²

J. P. Heiney, *S. Battula, G. O. Njus, A. Parikh, G. A. Vrabc, Akron, OH*

COA Poster No. 46

A Simple Method for Determining Direction of Acetabular Version

J. Kent, *L. Allen, W. Dust, Saskatoon, SK*

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COA Poster No. 47

ASR Hip Resurfacing: Early Clinical Results from a Series of 200 Performed at an Independent Unit

S. Jameson, M. Al-Maiyah, R. Logishetty, A. Nargol, Tyne, UK

COA Poster No. 48

Hip Resurfacing in Older, Active Patients: Is it safe?

S. Jameson, M. Al-Maiyah, A. Nargol, Tyne, UK

COA Poster No. 49

Outcomes After Intraoperative Calcar Fractures During Total Hip Arthroplasty

D. Williams, J. de Beer, D. Petruccelli, M. Winemaker, Hamilton, ON

COA Poster No. 50

Intraoperative Fractures of the Greater Trochanter During Total Hip Arthroplasty: An Outcome Study

D. Williams, J. de Beer, D. Petruccelli, M. Winemaker, Hamilton, ON

COA Poster No. 51

AcuMatch Modular Femoral Stem in Primary and Revision Hip Arthroplasty in Patients over the Age of 75

D. G. Allan, B. W. Dyrstad, J. C. Milbrandt, A. D. Rainville, Springfield, IL

COA Poster No. 52

Metal-on-Metal Hip Resurfacing: Patient Selection and Gender Impacts Failure Rates²

D. G. Allan, J. C. Milbrandt, M. Naughton, Springfield, IL

COA Poster No. 53

Dislocation, Infection and Nerve Injury After Revision Total Hip Arthroplasty – Does the Revision Type Make a Difference?

Y. Kosashvili, D. Backstein, A. Gross, Y. Jiang, O. Safir, Toronto, ON

COA Poster No. 54

Risk Factors for Periprosthetic Femoral Neck Fractures Following Hip Resurfacing. A Biomechanical Analysis

C. Richards, J. Antoniou, D. Giannitsios, O. Huk, T. Steffan, D. Zukor, Montreal, QC

COA Poster No. 55

Serum Tobramycin Levels in a Randomized Study of Hybrid Fixation of Primary Hip Arthroplasty: Does Tobramycin in the Cement have a Significant Effect?²

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

COA Poster No. 56

Defining the Indications for Porous Non-Cemented Revision Femoral Components: a minimum 5 year study comparing the Echelon and Solution Stems.²

R. A. Hocking, R. B. Bourne, R. A. Hocking, S. J. MacDonald, R. W. McCalden, C. H. Rorabeck, London, ON

COA Poster No. 57

Femoral Component Migrations Study of Metal on Metal Hip Resurfacing in 189 Hips²

P. E. Beaulé, H. C. Amstutz, B. Aspey, R. Biederman, M. LeDuff, Ottawa, ON

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COA Poster No. 58

Influence of Soft-tissue Thickness in RSA Wear Measurement

X. Yuan, R.B. Bourne, R. Cai, D. Habets, D. Holdsworth, C. J. D. Norley, London, ON

COA Poster No. 59

Monitoring the Impact of Efficiency Initiatives on Health Outcomes in Total Hip Arthroplasty

B. Escott, D. Beaton, R. Campbell, D. Galet, E. Schemitsch, J. P. Waddell, Toronto, ON

COA Poster No. 60

Computer Aided Hip Resurfacing Arthroplasty

G. Xenoyannis, R. Ellis, H. Grant, J. Rudan, Kingston, ON

COA Poster No. 61

Bone Scintigraphy in Femoral Acetabular Impingement²

O. May, P. E. Beaulé, W. Y. Matar, F. Raymond, Ottawa, ON

COA Poster No. 62

Difference in 3 Month Effectiveness Scores in Hip Resurfacing Compared to Other Total Hip Replacements in Young Patients

J. Werle, K. Gooch, J. Mackenzie, G. O'Connor, J. Powell, Calgary, AB

COA Poster No. 63

A Biomechanical and Finite Element Study of Femoral Neck Notching Using the Birmingham Hip Resurfacing²

E. Davis, M. Olsen, M. Papini, E. Schemitsch, J.P. Waddell, R. Zdero, Toronto, ON

COA Poster No. 64

Assessment of the Accuracy of Imageless Computer Navigation in Positioning the Birmingham Hip Resurfacing: A Cadaveric Study.²

E. Davis, P. Gallie, K. Macgroarty, E. Schemitsch, J.P. Waddell, Toronto, ON

COA Poster No. 65

The Proximity of the Femoral Neurovascular Bundle During an Anterior Capsulotomy Made During Hip Resurfacing from the Postero-Lateral Approach.²

E. Davis, P. Gallie, E. Schemitsch, J.P. Waddell, Toronto, ON

COA Poster No. 66

The Effect of Femoral Component Alignment on the Risk of Femoral Neck Fracture Following Hip Resurfacing²

E. Davis, M. Olsen, E. Schemitsch, J.P. Waddell, R. Zdero, Toronto, ON

COA Poster No. 67

Intermediate Results of Computer-Assisted Periacetabular Osteotomy

M. Lincoln, H. Grant, B. Ma, J. Rudan, J. Yach, Kingston, ON

COA Poster No. 68

The Cup Cage for Treatment of Massive Contained Acetabular Defects²

C. F. Kellett, D. Backstein, A. E. Gross, A. Maury, Toronto, ON

COA Poster No. 69

Predictors of Quality of Life Outcomes after Revision Total Hip Replacement

D. Garbuz, G. Biring, C. P. Duncan, N. V. Greidanus, B. A. Masri, Vancouver, BC

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COA Poster No. 70

An Economic Evaluation of Metal-on-Metal Hip Resurfacing: The Alberta Experience

F. Shrive, K. Gooch, J. Mackenzie, J. Powell, J. Werle, Calgary, AB

COA Poster No. 71

Predictors of Non-Responders after Total Hip Replacement

K. Gooch, J. Donaghy, C. Frank, L. Liu, Calgary, AB

COA Poster No. 72

Reliability of a New Measuring Method for Hip Range of Motion²

S. Mottard, M. Lavigne, P. Vendittoli, Montreal, QC

COA Poster No. 73

Modular Cementless Total Hip Arthroplasty in Patients with Inflammatory Arthritis. Mid-term Follow-Up

K. Koenig, P. Bernini, K. Koenig, M. Mayor, T. Shirreffs, I. Tomek, Lebanon, NH

COA Poster No. 74

Can Decision Aids Clarify Treatment Choices in Patients with Severe Hip or Knee Osteoarthritis?

S. Kantor, C. Clay, L. Cori, S. Kearing, I. Tomek, Lebanon, NH

COA Poster No. 75

Patient Satisfaction Following Hip Resurfacing Arthroplasty

N. Greidanus, C. Duncan, D. Garbuz, B. Masri, Vancouver, BC

Category: COA Adult Reconstruction – Knee

COA Poster No. 76

A Prospective RCT using RSA of a Trabecular Metal Tibial Monoblock TKA Component – 2 Year Results²

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

COA Poster No. 77¹

Physical Activity and Pain After Total Knee Arthroplasty

I. Weller, H. Kreder, M. Kunz, S. Munce, Toronto, ON

COA Poster No. 78

Cemented Versus Hybrid PS TKA: A Comparison of Clinical and Radiographic Results

S. Sharma, J. Antoniou, O. Huk, D. Zukor, Montreal, QC

COA Poster No. 79

Measuring Coronal Alignment Following Total Knee Arthroplasty - A Comparison of 3 Modalities

P. Choong, R. Bingham, M. Dowsey, E. Ek, F. Sim, J. Stoney, Melbourne, Australia

COA Poster No. 80

Relationship Between Preoperative Patient Characteristics and Expectations in Candidates for Total Knee Arthroplasty²

H. Razmjou, J. Finkelstein, M. Ford, R. Holtby, M. Vidmar, A. Yee, Toronto, ON

COA Poster No. 81

Combined ACL Reconstruction and Oxford Hemi Knee Arthroplasty for ACL Deficient Medial OA Knees

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

POSTERS

COA Poster No. 82

Decision Analysis Supports Unicompartmental Replacement as Primary Surgical Treatment for Advanced Isolated Antero-Medial Gonarthrosis.

A. Smit, *White Rock, BC*

COA Poster No. 83

Factors Influencing Survival of Minimally Invasive Unicondylar Knee Arthroplasty

J. McAuley, *M. Collier, G. A. Engh, W. Hamilton, Alexandria, VA*

COA Poster No. 84

Posterior-Cruciate-Ligament-Retaining Total Knee Arthroplasty in the Valgus Osteoarthritic Knee

J. McAuley, *M. Collier, W. Hamilton, Alexandria VA*

COA Poster No. 85

Mid-term Results Using the Oxinium Femoral Component in Total Knee Replacements

F. J. Shannon, *R. B. Bourne, S. J. MacDonald, R. W. McCalden, London, ON*

COA Poster No. 86

A Novel CT Based Technique for Determination of Bone Contact in Revision Stems¹

K. Saidi, *R. B. Bourne, M. Drangova, D. W. Holdsworth, D. D. Naudie, S. Rajasekaran, London, ON*

COA Poster No. 87

Cartilage Transplant: Features of Graft Failure and Survival

F. Las Heras, *A. E. Gross, C. F. Kellett, K. P. H. Pritzker, O. Safir, Toronto, ON*

COA Poster No. 88

The Anatomy and Load to Failure Characteristics of the Tibial Insertion of the Patellar Tendon

P. Bienkowski, *G. Dervin, A. Jalali, P. Poitras, N. Ramachandran, H. Uthoff, T. Whitehead, Ottawa, ON*

COA Poster No. 89

Intra- and Postoperative Fractures Following Revision Surgery with the Biomet Orthopaedic Salvage System (OSS) and the Maxim Revision Knee System

D. G. Allan, *B. W. Dyrstad, J. C. Milbrandt, B. K. Parsley, Springfield, IL*

COA Poster No. 90

Analysis of Modes of Failure of Primary Total Knee Arthroplasties Over the Past 25 Years²

D. Naudie, *R. B. Bourne, J. Guerin, L. Mokete, London, ON*

COA Poster No. 91

Outcome of Total Knee Arthroplasty in Patients Less than 55 Years²

D. Naudie, *R.B. Bourne, S. Kearns, S.J. Macdonald, R.W. McCalden, London, ON*

COA Poster No. 92

Hylamer-M Polyethylene in Revision Total Knee Arthroplasty: Findings at an Average 8 Years Follow-up

C. Young, *S. J. MacDonald, C.H. Rorabeck, London, ON*

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COA Poster No. 93

An Improved RSA Inducible Displacement Protocol for Assessing Instantaneous Fixation of TKA Components¹

D. Wilson, K. Deluzio, M. Dunbar, A. Hennigar, E. Laende, Halifax, NS

COA Poster No. 94

Orthopaedic Surgery Priority Criteria: Are We on the Right Track?

J. Matthew, G. Johnston, Saskatoon, SK

Category: COA Arthroplasty

COA Poster No. 95

The Effect of Patients' Gender on Physicians' Recommendations for Total Knee Arthroplasty

C. M. Borkhoff, R. H. Glazier, G. A. Hawker, H. J. Kreder, N. N. Mahomed, J. G. Wright, Toronto, ON

COA Poster No. 96

Outcome Analysis of the Oxford Unicompartmental Knee Arthroplasty: A Comparison in Patient SAcores of Day Surgery and Same Day Admissions²

V. Venugopal, E. M. F. Forbes, D. A. LeGay, Dartmouth, NS

COA Poster No. 97

Radiographic Evaluation of Segmental Acetabular Bone Defects

O. Safir, D. Backstein, A. E. Gross, Y. Jiang, C. F. Kellett, F. Maistrogiacomo, Toronto, ON

Category: COA Foot & Ankle

COA Poster No. 98

Ankle Distraction for End-Stage Ankle OA: Does it Really Help?

C. J. Topliss, A. Younger, Vancouver, BC

COA Poster No. 99

Age and Overuse Running Effects on Collagen Crosslinking Patterns in Achilles Tendons Using Hydrothermal Testing²

P. Gibbons, M. Glazebrook, A.R. Jahangir, J. M. Lee, W.D. Stanish, Halifax, NS

COA Poster No. 100

The STAR Total Ankle Prosthesis: A Review of 37 Consecutive Cases

E. Calvert, M. J. Penner, Vancouver, BC

COA Poster No. 101

Total Ankle Arthroplasty vs. Ankle Fusion: A Systematic Review of the Literature and Meta-Analysis²

P. Gibbons, T. Daniels, M. Glazebrook, J. Lau, P. Rippstein, A. Younger, Halifax, NS

COA Poster No. 102

Relevance of Early Orthopaedic Opinion in a Community-Based High Risk Foot Clinic

G. de Vries, E. D'Archangelo, Calgary, AB

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Category: COA Joints & Arthritis

COA Poster No. 103

Analyse et classification automatique de données cinétiques provenant de sujets asymptomatiques et arthrosiques²

N. Mezghani, R. Aïssaoui, K. Boivin, J. A. De Guise, N. Hagemeister, K. Turcot, Montreal, QC

Category: COA – Paediatrics

COA Poster No. 104

The Floppy Arm Syndrome in Neonates

S. Haleem, A. Rehm, Cambridge, UK

COA Poster No. 105

Study Reviewing the Pattern of Paediatric Hand Burns and their Management at a Regional Burns Unit

S. Haleem, S. Akhtar, O. Austin, A. Phipps, Cambridge, UK

COA Poster No. 106

Scoliosis in Prader Willi Syndrome

J. G. Jarvis, Y. Brikeet, Ottawa, ON

Category: COA Spine

COA Poster No. 107

Who Not to Book - An Issue on the Toe of the Learning Curve in Lumbar Arthroplasty

H. Al Harbi, D. A. Bednar, Hamilton, ON

COA Poster No. 108

PEEK Cages and rhBMP-2 in Interbody Spinal Fusions

A. Sethi, S. Bartol, C. Coe, M. Jacobson, R. Vaidya, Detroit, MI

COA Poster No. 109

High-Viscosity Cement Increases the Uniformity of Filling in Vertebroplasty²

M. Crookshank, G. Baroud, M. Bohner, Kingston, ON

COA Poster No. 110

The Actipore Implant: Achieving Biointegration

S. R. Campbell, C. Bailey, S. Bailey, K. Gurr, London, ON

COA Poster No. 111

Biomechanical Evaluation of a Headless Compression Screw for Anterior Odontoid Fixation

V. Rajgopal, C. S. Bailey, S. I. Bailey, B. Beaton, C. Dunning, K. Gurr, London, ON

COA Poster No. 112

Development of a Measurement Tool for Assessing Lumbar Paraspinal Fat on CT Scans

P. Dane, M. T. Pack, E. K. Wai, Ottawa, ON

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COA Poster No. 113
Total Disc Replacement Arthroplasty : Anatomic Causes of Failure
A. R. Lawendy, S. I. Bailey, K. R. Gurr, S. Osman, London, ON

Category: COA Sports Medicine

COA Poster No. 114
Evaluating Outcomes in ACL Reconstruction: Expert clinical exam compared with KT-1000
S. Arneja, L. Jordan, Vancouver, BC

COA Poster No. 115
Knee Arthroscopy: Comparison of Local vs. Spinal vs. General Anesthesia
A. Smit, R. M. Friesen, G. Klacansky, White Rock, BC

COA Poster No. 116
The Relationship Between Objective, Subjective, and Functional Examination 5-11 Years After Anterior Cruciate Ligament Reconstruction.²
J. Essue, M. Hurtig, M. Kunz, P. Marks, I. Weller, L. White, Toronto, ON

Category: COA Trauma

COA Poster No. 117
Locking Plate Fixation of Periprosthetic Fractures- a Cohort Study
G. Wood, H. Boniolo, D. Naudie, London, ON

COA Poster No. 118
Dietary Iron Supplement After Femoral Neck Fracture Surgery
S. Jameson, S. Alshryda, A. Nargol, V. Tripurneni, Tyne, UK

COA Poster No. 119
Internal Fixation of Subcapital and Intertrochanteric Hip Fractures Under Local Rather than Spinal Anaesthetic Can Reduce Intra-Operative Hypotension
A. Smit, R. Friesen, G. Klacansky, White Rock, BC

COA Poster No. 120
Current Problems Following Femoral Neck Fracture Fixation: Is There a Solution?²
M. Zlowodzki, M. Bhandari, A. Jönsson, P. J. Kregor, R. Paulke, Hamilton, ON

COA Poster No. 121
Predictors of Outcome Following Operative Management of Femoral Neck Fractures²
M. Zlowodzki, M. Bhandari, P. V. Giannoudis, B. P. Hanson, M. F. Swionkowski, P. Tornetta III, Hamilton, ON

COA Poster No. 122
Treatment of Acute Distal Femur Fractures Above a Total Knee Arthroplasty: Systematic Review of 415 Cases (1981-2006)²
D. A. Herrera, P. A. Cole, A. Jönsson, P. J. Kregor, M. Zlowodzki, Hamilton, ON

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