



Posters: Exhibit Hall Room 517A/516

COA Featured Posters: Hand & Wrist

High Scoring

COA FP 1 - A Biomechanical Analysis of the DRUJ Ballottement Test

Kendrick Au, ON; Kathryn Culliton, ON; Sebastian Undurraga, ON;
Heathcliff D'Sa, BC; Hakim Louati, ON; Braden Gammon, ON

High Scoring

COA FP 2 - A Prospective Randomized Trial Comparing Standard Ligament Reconstruction Tendon Interposition (LRTI) VS Ligament Reconstruction Tendon Interposition (LRTI) with an Interference Screw for Thumb Carpometacarpal Arthritis – Pilot Study

Michelle Arakgi, NS; Marie-Christine Perron, QC; David G. Johnston, NS;
J. Andrew I. Trenholm, NS

COA FP 3 - Indications and Outcomes of Radial Head Excision: A Systematic Review

Alexandra H. Hildebrand, ON; Betty Zhang, ON; Nolan Horner, ON;
Graham J.W. King, ON; Moin Khan, ON; Bashar Alolabi, ON

COA FP 4 - Accuracy and Precision of Distal Radius Plating Using Electromagnetic Navigation: A Proof of Concept

Julie Chan, ON; David Pichora, ON; Randy Ellis, ON; Paul St. John, ON;
Philip Lin, ON

COA FP 5 - Measuring the Health Utility of Volkmann's Contracture

John Shin, ON; Kevin Smit, ON; Sasha Carsen, ON; Kevin Cheung, ON

COA FP 6 - Is Wrist Range of Motion (ROM) Impacted By Pathologies That Cause Ulnar Sided Wrist Pain

Ang Li, QC; Zafeiria Glaris, BC; Thomas J. Goetz, BC



Posters: Exhibit Hall Room 517A/516

COA High Scoring Posters

Adult Reconstruction Hip

COA HS 1 - Excellent Long-Term Survivorship of Contemporary Total Hip Arthroplasty for Osteonecrosis

Adam Hart, QC; Robert Trousdale, US; Rafael Sierra, US; Daniel Berry, US; Matthew Abdel, US

COA HS 2 - Do Signs of Trendelenburg Gait Exist in Patients One-Year Following Lateral and Posterior Approaches for Total Hip Arthroplasty?

Shawn Robbins, QC; Sharleen Gomes, QC; David J. Zukor, QC; Olga L. Huk, QC; Stéphane Bergeron, QC; John Antoniou, QC

Adult Reconstruction Knee

COA HS 3 - Perceptions in Orthopaedic Surgery on the Use of Cannabis in Treating Pain: A Survey of Musculoskeletal Joint Pain and Arthritis Patients (POSIT joint)

Herman Johal, ON; Kim Madden, ON; Daniel Tushinski, ON; Anthony Adili, ON; Mohit Bhandari, ON

Foot and Ankle

COA HS 4 - High Patient Catastrophizing Score Predicts Poor Outcome in the Complex Foot and Ankle Patient

Oliver Gagne, BC; Andrea Veljkovic, BC; Lindsay Anderson, BC; Michael Symes, BC; Kaniza Zahra Abbas, US; Murray Penner, BC; Kevin Wing, BC; Alastair S.E. Younger, BC; Khalid Syed, ON; Johnny T.C. Lau, ON

Paediatrics

COA HS 5 - Inter and Intra-Rater Reliability of the Identification of a "Gothic Arch" in the Acetabulum of Children with Cerebral Palsy

Emily Schaeffer, BC; Stacey Miller, BC; Eva Habib, BC; Brian Yang, US; Benjamin Shore, US; Jeffrey Bone, BC; Kishore Mulpuri, BC



Posters: Exhibit Hall Room 517A/516

COA HS 6 - The Importance of Globalization in Prospective Study Groups: Increasing the Relevance of Research on Developmental Dysplasia of the Hip to a Global Patient Population

Emily Schaeffer, BC; Alaric Aroojis, India; Hitesh Shah, India; Venkatadass Krishnamoorthy, India; Sandeep Patwardhan, India; Chittaranjan Sahu, India; Kishore Mulpuri, BC

Shoulder

HS 7 - The Role of Glenoid and Humeral Lateralization on Acromial Strain Following Reverse Total Shoulder Arthroplasty

Alicia Kerrigan, ON; Jacob Reeves, ON; G Daniel Langohr, ON; Jim Johnson, ON; George Athwal, ON

COA HS 8 - A Reduction in the Rate of Nerve Injury Following Latarjet: A Before-After Study Following Neuromonitoring

Jarret Woodmass, MB; Katy Welp, US; Eric Wagner, US; Kyle Borque, US; Michelle Chang, US; Jon JP Warner, US

COA HS 9 - Capsular Release Following Total Shoulder Arthroplasty: An Analysis of Early Outcomes

Eric Wagner, US; Jarret Woodmass, MB; Michelle Chang, US; Katy Welp, US; Laurence Higgins, Bermuda; Jon JP Warner, US

COA HS 10 - Quality of Economic Evaluations of Shoulder Interventions: A Systematic Review

Adrian Huang, BC; Darren S. Drosdowech, ON; Lyndsay Somerville, ON; Arusha Sood, ON; Michael Pollock, ON; Codie Primeau, ON; Jacquelyn Marsh, ON

Sports Medicine (including Hip Arthroscopy)

COA HS 11 - Meta-Analysis of Articular Damage Following Anterior Cruciate Ligament Reconstruction in Adolescents

Olufemi R. Ayeni, ON; Jeffrey Kay, ON; Muzammil Memon, ON; Ajay Shah, ON; Yi-Meng Yen, US; Kristian Samuelsson, Sweden; Devin C. Peterson, ON; Helene Flageole, ON



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COA HS 12 - Impact of Platelet-Rich Plasma Use on Pain in Orthopaedic Surgery: A Systematic Review and Meta-Analysis
Herman Johal, ON; Moin Khan, ON; Shu-hang Patrick Yung, China; Mandeep Dhillon, India; Freddie Fu, US; Mohit Bhandari, ON

COA HS 13 - Comparing the Efficacy of Kneeling Stress Radiographs and Weighted Gravity Stress Radiographs to Assess Posterior Cruciate Ligament Insufficiency
John Grant, US; Charles Holliday, US; Ryan Martin, AB

COA HS 14 - Anterior Cruciate Ligament Reconstruction With Or Without A Lateral Extra-Articular Tenodesis –Functional Outcomes From The ISAKOS Sponsored STABILITY Study
Robert G. McCormack, BC; Alan Getgood, ON; Christopher Hewison, AB; Andrew Firth, ON; Dianne Bryant, ON; Robert Litchfield, ON; S. Mark Heard, AB; Peter B. MacDonald, MB; Tim Spalding, UK; Peter Verdonk, Belgium; Devin C. Peterson, ON; Davide D. Bardana, ON; Alex Rezansoff, AB; Stability Group, ON

Trauma

COA HS 15 - Should Displaced Mid Third Clavicle Fractures Be Fixed, and If So, How? The First Comprehensive Network Meta-Analysis of Randomized Controlled Trials?
Daniel Axelrod, ON; Seper Ekhtiari, ON; Anthony Bozzo, ON; Herman Johal, ON; Mohit Bhandari, ON,

Tumour

COA HS 16 - Sarcoma Treatment and Outcomes: A 23-Year Population-Based Cohort Study in Ontario, Canada
Anthony Bozzo, ON; Hsien Seow, ON; Greg Pond, ON; Michelle Ghert, ON



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COA Posters

Adult Reconstruction Hip

COA 1 - Cotinine Testing Improves Smoking Cessation Prior to Total Joint Arthroplasty

Adam Hart, QC; William Rainer, US; Michael Taunton, US; Tad Mabry, US; Daniel Berry, US; Matthew Abdel, US

COA 2 - Thirty-Day Major and Minor Complications Following Total Hip Arthroplasty – A Comparison of the Direct Anterior, Lateral, and Posterior Approaches

Adam Hart, QC; Cody Wyles, US; Matthew Abdel, US; Kevin Perry, US; Mark Pagnano, US; Michael Taunton, US

COA 3 - Negative Pressure Wound Therapy Versus Standard Dressings in Arthroplasty: A Systematic Review and Meta-Analysis

Daniel Tushinski, ON; Vickas Khanna, ON; Mohit Bhandari, ON; Alex Koziarz, ON

COA 4 - Brain Signatures of Chronic Pain in Patients With Hip Osteoarthritis

James Powell, AB; Pamela Railton, AB; Andrew Delaney, Australia; John Matyas, AB; Brad Goodyear, AB; Sanju Lama, AB; Garnette Sutherland, AB

COA 5 - Catastrophic Femoral Head Trunnion Dissociation: A Case Series With Surface Wear Analysis

Thomas Wood, ON; Mohammad Mesfer Alzahrani, ON; G Daniel Langohr, ON; Matthew Teeter, ON; James Howard, ON; Emil H. Schemitsch, ON; Brent Lanting, ON

COA 6 - Impact of Sleep Quality on Functional Outcomes Following Hip and Knee Joint Replacement Surgery

Stuart Bisland, ON; Justin De Beer, ON; Danielle Petruccelli, ON; Mitchell J. Winemaker, ON



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COA 7 - A Dilute Betadine Solution Reduces Acute Periprosthetic Joint Infections after Total Hip and Knee Arthroplasty

Mashaël Muwanis, QC; Bardia Barimani, QC; Anthony Albers, QC; Alexis Semeschuk, QC; Petros Rougas, QC; Casey Wang, QC; Lucy Luo, QC

COA 8 - S-ROM Prosthesis in Primary Total Hip Arthroplasty: A Mean Follow Up of 8.5 Years

Olga L. Huk, QC; Ahmed Alshammari, QC; Laura Mery Epure, QC; Stéphane Bergeron, QC, Canada; David J. Zukor, QC; John Antoniou, QC

COA 9 - Prevalence of Anterior Femoral Neck Osteophyte in a Total Hip Arthroplasty Population

Adam Katchky, US; Mitchell Smith, Australia; Andrew Shimmin, Australia; Stephen McMahon, Australia; Jeremy Latham, UK; Jonathan Baré, Australia

COA 10 - Is Pareto's Principle the Way to Go for Cost Savings for Hip and Knee Arthroplasty?

Lisa Lovse, ON; Johanna Dobransky, ON; Adrian Huang, BC; Stephane Poitras, ON; Paul-Edgar Beaulé, ON

COA 11 - Meta-Analysis Comparing Radiographic Outcomes Between Surgical Approaches to Total Hip Arthroplasty

Clayton Inculet, ON; Brent Lanting, ON; James Howard, ON; Lyndsay Somerville, ON

COA 12 - Impact of Hip Antibiotic-Spacer Dislocation on Final Implant Position and Outcomes

Simon Garceau, ON; Yaniv Warschawski, ON; Omar Dahduli, ON; Oleg Safir, ON; Allan E. Gross, ON; David Backstein, ON; Paul Robert Kuzyk, ON

COA 13 - Assessment of Femoral Version Using Biplanar Radiography

David Cinats, AB; Lee Fruson, AB; Kelly Johnston, AB



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COA 14 - Biolog Delta in Young Total Hip Arthroplasty Patients: A Minimum 8 Years Follow Up

Mohammed Abushal, QC; Laura Mery Epure, QC; Stéphane Bergeron, QC; Olga L. Huk, QC; David J. Zukor, QC; John Antoniou, QC

COA 15 - Examining Falls in Adults During the Year Following a Primary Total Hip Arthroplasty

Brent Lanting, ON; Ian Janes, ON; Lyndsay Somerville, ON; James Howard, ON; Edward Vasarhelyi, ON; Douglas Naudie, ON; Steven MacDonald, ON; Susan Hunter, ON

COA 16 - Single Versus Two Stage Revision for Prosthetic Joint Infection – Three Year Results From a Single Centre

Luke Granger, UK; Nemandra Sandiford, UK

COA 17 - Debridement and Implant Retention in the Management of Prosthetic Joint Infection – Does the Type of Organism Make a Difference?

Luke Granger, UK; Nemandra Sandiford, UK

COA 18 - Same Day and Delayed Hospital Discharge Is Associated With Worse Outcomes Following Total Knee Arthroplasty

Lauren Nowak, ON; Emil H. Schemitsch, ON

Adult Reconstruction Knee

COA 19 - Determining Correlation of Patient-Reported Measures of Pain Interference, Physical Function and Depression Obtained After Total Knee Arthroplasty With a PROMIS™-Based App: Interim Analysis

Cristin Taylor, US; Tim Waters, UK; Michael Ries, US; Gorav Datta, UK; Edward Davis, UK; Dinesh Nathwani, UK; Paul Sutton, UK; Iain McNamara, UK

COA 20 - Povidone-Iodine Lavage to Prevent Infection After Revision Hip and Knee Arthroplasties: Analysis of 2884 Cases

Adam Hart, QC; Nicholas Hernandez, US; Matthew Abdel, US; Tad Mabry, US; Michael Taunton, US; Kevin Perry, US



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COA 21 - The Effect of a Synthetic Bone Insert on the Strain Response of the Lateral Cortex and Fixation Plate Following a High Tibial Osteotomy

Timothy Burkhart, ON; Rachel MacDonald, ON; Kyla Huebner, ON; Jack Farr, US; Alan Getgood, ON

COA 22 - Total Knee Operative Indications Based on Pre-Operative Functional Scores: Are We Operating Earlier Than Ever Before?

Jan Kruijt, QC; John Antoniou, QC; Nikolaos Stavropoulos, Greece; Peter Dust, QC; Olga L. Huk, QC; David J. Zukor, QC; Stéphane Bergeron, QC

COA 23 - Personalized Revision Rate for Unicompartmental and Total Knee Arthroplasty Used in Shared Decision Making for End-Stage Symptomatic Medial Compartment Arthritis

Geoffrey Dervin, ON; Johanna Dobransky, ON

COA 24 - Antibiotic Cement Does Not Reduce the Rate of Deep Joint Infection in Primary Total Knee Arthroplasty

Brendan Swift, ON; Johanna Dobransky, ON; Geoffrey Dervin, ON; Robert Feibel, ON; Paul Kim, ON

COA 25 - Outcome of Primary Total Knee Replacement in Patients With Lower Limb Lymphoedema

Reza Mansouri, UK; Nemandra Sandiford, UK; Philip Mitchell, UK; Avtar Sur, UK; Naisur Rehman, UK; Daniel Kendoff, Germany

COA 26 - Safety and Efficacy of Pre-Closure Dilute Betadine Solution Irrigation in the Prevention of Postoperative Infection Following Total Joint Arthroplasty

Pablo Slullitel, ON; Johanna Dobransky, ON; Kamal Bali, ON; Paul Kim, ON

COA 27 - Investigation of Preparatory Postural Adjustments During Gait Initiation in People with Knee Osteoarthritis: Neurophysiological Aspect



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Parisa Kazemi, Iran; Fateme Esfandiarpour, Iran; Saeed Talebian, Iran; Gholam Reza Olyaei, Iran; Reza Salehi, Iran; Seyedeh Maryam Hejazi, Iran

COA 28 - Long Term Survivorship of the Oxford Medial Unicompartmental Knee Arthroplasty: Minimum Fifteen-Year Outcomes From a Canadian Center

Paul Jamieson, ON; Alexis Rousseau-Saine, QC; Jonathan Howatt, ON; Johanna Dobransky, ON; Paul Kim, ON; Geoffrey Dervin, ON

COA 29 - Minimum Ten-Year Survivorship and Patient-Reported Outcomes of the Triathlon Single-Radius Total Knee Arthroplasty

Richard Ng, AB; Chloe Scott, UK; Katrina Bell, UK; Deborah MacDonald, UK; Sam Patton, UK; Richard Burnett, UK

COA 30 - Association Between Early Inducible Displacement and Later Continuous Migration in Cemented and Uncemented Tibial Components

Elise Laende, NS; Michael J. Dunbar, NS; Janie Astephen Wilson, ON

Critical Issues

COA 31 - Perceptions in Orthopaedic Surgery on the Use of Cannabis in Treating Pain: A Survey of Musculoskeletal Trauma Patients (POSIT trauma)

Herman Johal, ON; Kim Madden, ON; Mohit Bhandari, ON

COA 32 - Improving Ergonomics in the Operating Room for Orthopaedic Surgeons in Order to Reduce Work-related Musculoskeletal Injuries

Motaz Alaqeel, QC; Michael Tanzer, QC

COA 33 - Surgical Outcomes of 3D Printed Musculoskeletal Metal Implants: A Systematic Review

Charles-Antoine Dion, ON; Lyndsay Somerville, ON; James Howard, ON; Michael Pollock, ON; Brent Lanting, ON



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Education/Quality and Safety

COA 34 - Assessment of "YouTube" Content for Distal Radius Fracture Immobilization

Abdullah Addar, QC; Yousef Marwan, QC; Nizar Algarni, QC; Gregory K. Berry, QC

COA 35 - Three-Dimensional Printing in Orthopaedic Surgery: A Systematic Review and Meta-Analysis

Seper Ekhtiari, ON; Jasmine Levesque, ON; Ajay Shah, ON; James Yan, ON; Patrick Thornley, ON; Dale Williams, ON

COA 36 - An Analysis of the Relationship of Orthopaedic Residents' Performance in Modular Competency Based Curriculum

Examinations with an Established Objective Examination Tool

Tosan Okoro, ON; Polinka Mironova, ON; Jeremy Hall, ON; Peter Ferguson, ON; Markku Nousiainen, ON; Hans Kreder, ON; Terry Axelrod, ON; Sebastian Tomescu, ON; Frank Mastrogiacomo, ON; Charles Stewart Wright, ON; Steven Borland, UK; Tyler MacGregor, BC; Yaron Zaulan, ON; Eitan Ganz, ON; Meghan Crookshank, ON; Hilary Felice, ON; Jennah Mann, ON; John J. Murnaghan, ON; Guru Sisodia, ON; Christian Egloff, Switzerland; Paul Wong, ON; Ian Whatley, ON; Jonathan Peck, ON; Tim Dwyer, ON; Oleg Safir, ON; William Kraemer, ON; Jack Williams, ON; Veronica Wadey, ON; Martin Gargan, ON

COA 37 - The Educational Value of "YouTube" Videos on Barlow and Ortolani Maneuvers for Hip Examination

Yousef Marwan, QC; Haneen Alsayegh, Kuwait; Noor Alshammari, Kuwait; Abdullah Addar, QC; Nizar Algarni, QC; Michael Weber, QC

COA 38 - Telehealth & Teleradiology Services at a Tertiary Care Centre

Eva Habib, BC; Wendy Krishnaswamy, BC; Emily Schaeffer, BC; Kishore Mulpuri, BC

COA 39 - Three-Dimensionally Printed Patient Specific Instrumentation in Corrective Osteotomy of the Femur and Pelvis: A Systematic Review

Kishore Mulpuri, BC; Chris Chapman, BC; Sima Zakani, BC



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COA 40 - Consenting Patients Undergoing Total Knee and Total Hip Arthroplasty: A Prospective Patient Centred Review of the Consenting Process

Nemandra Sandiford, UK; Mohit Bansal, UK; Maalee Mahendra, UK; Diane Back, UK; Daniel Kendoff, Germany

COA 41 - Effectiveness of a Patient Surgical Notepad on Patient Experience, Adverse Events and Hospital Readmissions in Patients Undergoing Elective Orthopaedic Surgery

Johanna Dobransky, ON; Kathleen Gartke, ON; Stephane Poitras, ON; Cheryl Kreviazuk, ON; Micheline Goetz, ON; Jackie Mace, ON; Paul-Edgar Beaulé, ON

Elbow

COA 42 - Role of Anconeus in the Stability of a Lateral Ligament Deficient Elbow: An In Vitro Biomechanical Study

Armin Badre, AB; David Axford, ON; Sara Banayan, ON; Jim Johnson, ON; Graham J.W. King, ON

COA 43 - The Unsalvageable Radial Head in Young Patients – Acute Versus Chronic Outcomes

Laura Sims, SK; William Aibinder, ON; Graham J.W. King, ON; Kenneth J. Faber, ON

COA 44 - Paediatric Elbow Fractures From a Child's Viewpoint: Does Public Playground Equipment Meet the Safety Standard?

Anthony Cooper, BC; Pardeep Sidhu, BC; Jennifer Smith, BC; Victoria McCutcheon, BC; Harpeet Chhina, BC; Ian Pike, BC

COA 45 - Coronoid Opening Angle: A Novel Radiographic Technique to Measure Bone Loss in Coronoid Fractures

Michael Nitikman, BC; Brett Kilb, BC; Tendai Mwatutura, Australia; Parham Daneshvar, BC

COA 46 - Proximal Ulna Osteotomy: A Novel Osteotomy to Enhance Visualization and Access to the Distal Humerus Articular Surface



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Parham Daneshvar, BC; Jeffrey Pike, BC; Geoffrey Jarvie, BC; Emil H. Schemitsch, ON; Aaron Gee, ON; Radovan Zdero, ON; Parham Rasoulinejad, ON

COA 47 - Proximal Ulna Anatomy in Primary Elbow Osteoarthritis, a Multi-Centered Case-Control Study

Audrey Viger, QC; Julien Chapleau, QC; Kenneth J. Faber, ON; George Athwal, ON; Dominique Rouleau, QC

Foot and Ankle

COA 48 - Gait Abnormalities in Patients Treated With Limb Salvaging Ankle Fusion

Susan Ge, QC; Tianyi Wang, QC; Monika Volesky, QC; Ruth E. Chaytor, QC; Shawn Robbins, QC

COA 49 - Return to Sport After Ankle Syndesmosis Injury: A Systematic Review

Seline Vancolen, ON; Ibrahim Nadeem, ON; Nolan Horner, ON; Herman Johal, ON; Bashar Alolabi, ON; Moin Khan, ON

COA 50 - The Cost of Revision Ankle Fusions for Non-Union : A Multicenter Analysis

Oliver Gagne, BC; Andrea Veljkovic, BC; Kevin Wing, BC; Murray Penner, BC; Mark Glazebrook, NS, Canada; Alastair S.E. Younger, BC

COA 51 - Efficacy of SPECT/CT in Diagnosing Ipsilateral Periarticular Arthritis and Predicting Clinical Outcome in Patients Treated With Ankle Arthrodesis for End Stage Ankle Arthritis

Christopher DeSutter, AB; Vincent Dubé, QC; Trish Francis, NS; Andrew Ross, NS; Gordon Boyd, NS; Joel Morash, NS; Mark Glazebrook, NS,

Paediatrics

COA 52 - Complications of Type II Supracondylar Humerus Fractures Treated Operatively at a Specialized Paediatric Centre

Mark Camp, ON; Steven Morrison, ON; Daniel Pincus, ON



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COA 53 - Validation and Reliability Testing of the Western Ontario and McMaster Osteoarthritis Scale Hip Score in Children and Adolescents with Legg-Calvé-Perthes Disease

Emily Schaeffer, BC; Ava Maleki, BC; Ramez Ailabouni New Zealand; Kyle Stampe, AB; Kishore Mulpuri, BC

COA 54 - Computer-Assisted Subcapital Correction Osteotomy in Slipped Capital Femoral Epiphysis Using Individualized Drill Templates

Kishore Mulpuri, BC; Sima Zakani, BC; Chris Chapman, BC; Adam Saule, BC; Anthony Cooper, BC; David R. Wilson, BC

COA 55 - Comorbid Conditions in Paediatric Patients Presenting With Femoroacetabular Impingement

Diego Tourn, ON; Akshay Seth, ON; Kevin Smit, ON; Sasha Carsen, ON

COA Shoulder

COA 56 - Higher Combined Cortical Thickness Is Associated With Better Functional Outcomes After Arthroscopic Rotator Cuff Repair

Denny Lie, Singapore; Merrill Lee, Singapore; Jerry Chen, Singapore

COA 57 - Cemented Humeral Stem Versus Press-Fit Humeral Stem in Total Shoulder Arthroplasty: A Systematic Review

Michael Uy, ON; Julian Wang, ON; Nolan Horner, ON; Asheesh Bedi, US; Timothy Leroux, ON; Bashar Alolabi, ON; Moin Khan, ON

COA 58 - Pectoralis Major Rupture: Tear Pattern and Patient Demographics

Marcin Kowalczyk, ON; Amr Elmaraghy, ON; Luc Rubinger, ON

COA 59 - Post-Operative Recovery Comparisons of Arthroscopic Bankart to Open Latarjet for the Treatment of Anterior Glenohumeral Instability

Jarret Woodmass, MB; Eric Wagner, US; Jennifer Smith, US; Katy Welp, US; Michelle Chang, US; Laurence Higgins, Bermuda; Jon JP Warner, US



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COA 60 - Post-Operative Recovery Comparisons of Latissimus Dorsi Transfer to Lower Trapezius Transfer for the Treatment of Massive Rotator Cuff Tears

Jarret Woodmass, MB; Eric Wagner, US; Michelle Chang, US; Katy Welp, US; Laurence Higgins, Bermuda; Jon JP Warner, US

COA 61 - Assessing the Need for Orthopaedic Follow-Up in Paediatric Clavicle Fractures: A Retrospective Review

Kishore Mulpuri, BC; Christian Frysch, BC; Emily Schaeffer, BC; Tammie Teo, BC; Jeffrey Bone, BC

COA 62 - Natural History of Inferior Humeral Head Subluxation after Proximal Humerus Fracture

Natalie Rollick, ON; William Aibinder, ON; George Athwal, ON; Darren S. Drosdowech, ON; Kenneth J. Faber, ON

COA 63 - Comparison of Six Different Measurement Methods of Bone Loss in Recurrent Anterior Shoulder Instability to Predict Recurrence After Arthroscopic surgery: A Prospective Cohort Study

Pamela Boustros, QC; Dominique Rouleau, QC; Marie-Lyne Nault, QC; Emilie Sandman, QC; Jonah Davies, US; Mike Li, US

COA 64 - Comparing Fixation Constructs for Scapula Insufficiency Fractures Following Reverse Shoulder Arthroplasty

Jason Lockhart, ON; David Axford, ON; Francis Ting, New Zealand; G Daniel Langohr, ON; Jim Johnson, ON; George Athwal, ON

COA 65 - Risk Factors for Adhesive Capsulitis Requiring Shoulder Arthroscopy

Richard Nicolay, US; Ryan Selley, US; Daniel Johnson, US; Ksheeraja Ravi, US; Cort Lawton US; Vehniah Tjong, US; Michael Terry, US

COA Spine

COA 66 - The Safety and Efficacy of Intrathecal Morphine in Early Onset Scoliosis Surgery

George Thompson, US; Connie Poe-Kochert, US; Christina Hardesty, US; Jochen Son-Hing, US; Jason Ina, US; Paul Tripi, US



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COA 67 - Trends in Opioid Usage Two Years Following Thoracolumbar Spine Surgery

Mina Aziz, MB; Peter F. Jarzem, QC; Michael Garth Johnson, MB; Michael Weber, QC

COA 68 - Anterolateral Cervical Kyphoplasty for Metastatic Cervical Spine Lesions

Zhi Wang, QC; Fidaa Al-Shakfa, QC

COA 69 - The Evolution of Scoliosis Surgery: Which Advancements Have Improved Patient Outcomes?

Michael Ching, ON; Parham Rasoulinejad, ON; Timothy P. Carey, ON

COA 70 - Radiographic Outcomes of Transosseous Intradiscal Screw Fixation in the Unexpectedly Osteopenic Lumbar Spine

Drew Bednar, ON; E. Demetra Bednar, ON

COA 71 - Significance of Extracanalicular Cement Extravasation in Thoracolumbar Kyphoplasty

Faizal Kassam, ON; Jeff D. Yach, ON

COA 72 - Early Predictors of Neurological Recovery After Traumatic Spinal Cord Injury: A Systematic Review

Pascal Mputu Mputu, QC; Jean-Marc Mac-Thiong, QC; Marie Beausejour, QC; Cynthia Thompson, QC; Andréane Richard-Denis, QC

COA 73 - Interobserver Agreement for Scoliosis Screening in a Multi-Professional Team

Imad Nahle, QC; Julie Joncas, QC; Olivier Chémaly, QC; Elise Faucher, QC; Hubert Labelle, QC; Soraya Barchi, QC; Marie-Pier Trottier, QC; Marie-Elaine Poliquin, QC; Mélanie Sarda, QC; Marie Beausejour, QC

COA 74 - Does Bariatric Surgery Prior to Cervical Spinal Fusion Impact Short- and Mid-Term Post-Operative Complications?

Emmanuel Illical, US; Neil V. Shah, US; Cameron Moattari, US; Sarah Stroud, US; Douglas Hollern, US; Jared Newman, US; Qais Naziri, US; Peter Passias, US; Carl Paulino, US; Bassel Diebo, US



Posters: Exhibit Hall Room 517A/516

COA 75 - Scoliosis on Social Media: Assessing the Utilization Patterns of Four Major Social Media Platforms

Emmanuel Illical, US; Neil V. Shah, US; John Connors, US; Ariana Goldstein, US; Harleen Kaur, US; Rohan Maini, US; Sebastian Bustamante, US; Douglas Hollern, US; Bassel Diebo, NY, ; Carl Paulino, US

COA 76 - Scoliosis and Social Media: Comparing the Quality of Available Information Across the Top Social Media Platforms

Emmanuel Illical, US; Neil V. Shah, US; Ariana Goldstein, US; John Connors, US; George Beyer, US; Douglas Hollern, US; Bassel Diebo, US; Carl Paulino, US

Sports Medicine (including Hip Arthroscopy)

COA 77 - The Relationship Between Time to ACL Reconstruction and Presence of Adverse Changes in the Knee at Time of Reconstruction

Mark Sommerfeldt, AB; Tom Goodine, US; David Otto, AB; Jackie Whittaker, AB; Abdul Raheem, AB

COA 78 - Anterolateral Ligament Injury in Knee Dislocations

Yousef Marwan, QC; Shubhang Kulkarni, QC; Abdullah Addar, QC; Nizar Algarni, QC; Iskandar Tamimi, QC; Mathieu Boily, QC; Paul Andre Martineau, QC

COA 79 - Cartilage Restoration of the Patellofemoral Joint: A Systematic Review

Olufemi R. Ayeni, ON; Ajaykumar Shanmugaraj, ON; Ryan Coughlin, QC; Gabriel Kuper, BC; Seper Ekhtiari, ON; Nicole Simunovic, ON; Volker Musahl, ON

COA 80 - Outcomes and Return to Sport after Pectoralis Major Tendon Repair: A Systematic Review

Moin Khan, ON; James Yu, ON; Cindy Zhang, ON; Nolan Horner, ON; Olufemi R. Ayeni, ON; Timothy Leroux, ON; Bashar Alolabi, ON



Posters: Exhibit Hall Room 517A/516

COA 81 - Hip and Groin Injuries in Professional Basketball Players: Impact on Playing Career and Quality of Life after Retirement
Moin Khan, ON; Seper Ekhtiari, ON; Tyrrell Burrus, US; Kim Madden, ON; Joel Gagnier, US; Joseph Rogowski, US; Tristan Maerz, US; Asheesh Bedi, US

COA 82 - Three-Dimensional Magnetic Resonance Imaging in Guiding Tibial and Femoral Tunnels Position in Anterior Cruciate Ligament Reconstruction: A Cadaveric Study
Carl Laverdière, QC; Yousef Marwan, QC; Jens Böttcher, QC; Rehana Jaffer, QC; Mark Burman, QC; Mathieu Boily, QC; Paul Andre Martineau, QC

COA 83 - Anterior Cruciate Ligament Reconstruction With Concomitant Meniscal Surgery: A Systematic Review and Meta-Analysis of Outcomes
Olufemi R. Ayeni, ON; Mohamed Sarraj, ON; Ryan Coughlin, QC; Max Solow, US; Seper Ekhtiari, ON; Nicole Simunovic, ON; Aaron Krych, US; Peter B. MacDonald, MB

COA 84 - The Critical Shoulder Angle is an Effective Radiographic Parameter to Predict the Presence of Shoulder Pathologies: A Systematic Review
Olufemi R. Ayeni, ON; Gabriel Kuper, BC; Ajaykumar Shanmugaraj, ON; Nolan Horner, ON; Seper Ekhtiari, ON; Nicole Simunovic, ON; Edwin Cadet, US

COA 85 - Risk Factors for 30-Day Readmission Following Knee Arthroscopy
Vehniah Tjong, US; Matthew Hartwell, US; Allison Morgan, US; Daniel Johnson, US; Richard Nicolay, US; Robert Christian, US; Ryan Selley, US; Michael Terry, US

COA 86 - Cardiovascular Fitness in Recreational Athletes Prior To and After Anterior Cruciate Ligament Reconstruction
Dean Cordingley, MB; Sheila McRae, MB; Jeff Leiter, MB; Gregory Stranges, MB; Peter B. MacDonald, MB



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COA 87 - Physiotherapy as an Initial Treatment Option for Femoroacetabular Impingement: A Systematic Review of the Literature and Meta-Analysis of 5 Randomized Control Trials

Graeme Hoit, ON; Daniel B. Whelan, ON; Tim Dwyer, ON; Jaskarndip Chahal, ON

COA 88 - Does Topical Antibiotic Solution on Anterior Cruciate Ligament Autografts Decrease Rates of Infection? A Systematic Review and Meta-analysis

Joshua Tiessen, AB; Brandon Zhao, AB; Janice Kung, AB; Nabil Khan, AB; Mark Sommerfeldt, AB,

COA 89 - Practice Patterns for the Treatment of Acute Proximal Hamstring Ruptures

Nicholas Pasic, ON; J. Robert Giffin, ON; Ryan Degen, ON

COA 90 - Bilateral ACL Reconstructions: Clinical, Functional and Quality of Life of Outcomes 2-years after Surgery

S. Mark Heard, AB; Bianca Ribic, AB; Gregory M.L. Buchko, AB; Laurie A. Hiemstra, AB; Sarah Kerslake, AB

COA 91 - Opioid Prescribing Patterns and Patient Use for Common Sports Medicine Procedures: A Systematic Review

Ujash Sheth, US; Mitesh Mehta, US; Fernando Huyke, US; Vehniah Tjong, US; Michael Terry, US

COA 92 - PROMIS Validation in Hip Arthroscopy for FAI

Richard Nicolay, US; Ryan Selley, US; Daniel Johnson, US; Michael Terry, US; Vehniah Tjong, US

COA 93 - Intra-operative Hip Labral Width Measurements Do Not Correlate with MRI Measurements

Vehniah Tjong, US; Ryan Selley, US; Matthew Hartwell, US; Sanjum Samagh, US; Ksheeraja Ravi, US; Daniel Johnson US; Michael Terry, US



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Trauma

COA 94 - Relationship Between Post-Operative Delirium and Duration of Surgery Among Patients With Hip Fractures

Bheeshma Ravi, ON; Daniel Pincus, ON; Richard Jenkinson, ON; David Wasserstein, ON; Donald Redelmeier, ON

COA 95 - Comparing Complications and Costs of Total Hip Arthroplasty versus Hemiarthroplasty for Femoral Neck Fractures

Bheeshma Ravi, ON; Daniel Pincus, ON; David Wasserstein, ON; Richard Jenkinson, ON; Hans Kreder, ON

COA 96 - Reasons for Delayed Hip Fracture Surgery in Canada

Daniel Pincus, ON; David Wasserstein, ON; Bheeshma Ravi, ON; Richard Jenkinson, ON; Hans Kreder, ON; Avery Nathens, ON; Walter Wodchis, ON

COA 97 - Management of Segmental Bone Defects With the Induced Membrane Technique - A Systematic Review and Meta-Analysis

Charles Godbout, ON; Benjamin Fung, ON; Emil H. Schemitsch, ON; Aaron Nauth, ON

COA 98 - Ketotifen Fumarate Does Not Impair Fracture Healing When Used for Reduction of Post-Traumatic Elbow Joint Contracture

Prism Schneider, AB; Richard Walker, AB; Stephanie Yee, AB; Ayoola Ademola, AB; Tolulope Sajobi, AB; Alexandra Garven, AB; Tanja Harrison, AB; Kevin Hildebrand, AB

COA 99 - Effect of Extended Prophylactic Antibiotic Duration in the Treatment of Open Fracture Wounds Differs by Level of Contamination

Gerard P. Slobogean; Christina Stennett, US; Nathan O'Hara, US; Sheila Sprague, ON; Kyle Jeray, US; Brad Petrisor, ON; Mohit Bhandari, ON; FLOW Investigators, ON



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COA 100 - Prospective Observational Cohort Study to Characterize the Post-Operative Trajectory of Patients Admitted for a Hip Fracture

Stéphane Pelet, QC; Philippe Beauchamp-Chalifour, QC; Etienne Belzile, QC; Marie-Pier Nolet, QC; Louis-Charles Racine, QC

COA 101 - Key Indicators of Performance of the Lucky Bone™ Fracture Liaison Service

Andréa Senay, QC; Sylvie Perreault, QC; Josee Delisle, QC; Suzanne Morin, QC; Andreea Banica, QC; Julio Fernandes, QC

COA 102 - Olecranon Osteotomy Implant Removal Rates and Associated Complications

Alex Meldrum, AB; Tanja Harrison, AB; Cory Kwong, AB; Katherine Archibold, AB; Prism Schneider, AB

COA 103 - Predictors of Patient-Reported Function Following Operative and Non-Operative Treatment of Acute Distal Clavicle Fractures

Lauren Nowak, ON; Jeremy Hall, ON; Michael D. McKee, US; Aaron Nauth, ON; Emil H. Schemitsch, ON

COA 104 - A Retrospective Review of Barriers to Timely Operative Intervention in Hip Fracture Patients

Erin Donohoe, US; Paul-Edgar Beaulé, ON; Nicole Harris, ON; Steven Papp, ON; Allan Syng-Luan Liew, ON

Tumour

COA 105 - Arthroscopic Management of Intra- and Juxta-Articular Osteoid Osteoma of the Upper Extremity: A Systematic Review of the Literature

Susan Ge, QC; Yousef Marwan, QC; Nizar Algarni, QC; Abdullah Addar, QC; Fahad Abduljabbar, Saudi Arabia; Moreno Morelli, QC; Robert Turcotte, QC

COA 106 - Generation of 3D Multiple Myeloma Microenvironment Through Coaxial Extrusion Bioprinting Technique

Jun Li, US; Lei Liu, US



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COA 107 - Modes of Failure of Endoprosthetic Reconstructions for Extremity Tumour Surgery: A Systematic Review

Patrick Thornley, ON; Matias Vicente, Spain; Austin MacDonald, ON; Nathan Evaniew, BC; Michelle Ghert, ON; Roberto Velez, Spain

COA 108 - Effect of the Tenodesis of Tensor Fascia Latae (TFL) With Abductors After Proximal Femoral Resection and Modular Prosthesis Reconstruction

Jean-Philippe Cloutier, QC; Annie Arteau, QC; Norbert Dion, QC; Philippe Corbeil, QC; Simon Laurendeau, QC

COA 109 - Osteoid Osteomas of the Hip: A Well-Recognized Entity With a Proclivity for Misdiagnosis

Matthew Houdek, US; Meagan Tibbo, US; Graham Pallante, US; Rafael Sierra, US; Timothy Welch, US; Doris Wenger, US

COA 110 - Investigating the Risk of Malignant Transformation of Benign Giant Cell Tumor of Bone in Patients Treated With and Without Denosumab Therapy

Krista Goulding, QC; Robert Turcotte, QC; Anas Nooh, QC; Abdulrahman Alaseem, QC; Annie Arteau, QC; Norbert Dion, QC; Jay S. Wunder, ON; Peter Ferguson, ON; Sophie Mottard, QC; Marc Isler, QC; Michelle Ghert, ON; Motaz Alaqeel, QC; Joel M. Werier, ON; Hesham Abdelbary, ON

COA 111 - Post Radiation Pathologic Femur Fractures in Soft Tissue Sarcomas: Is Endoprosthetic Reconstruction a Good Option?

Ibrahim Alshaygy, ON; Georges Basile, ON; Jean-Camille Mattei, ON; Anthony Griffin, ON; Jay S. Wunder, ON; Peter Ferguson, ON

COA 112 - Vascular Reconstructions Following Sarcoma Excision: Surgical and Functional Outcomes

Jean-Camille Mattei, ON; Georges Basile, ON; Ibrahim Alshaygy, ON; Anthony Griffin, ON; Peter Ferguson, ON; Jay S. Wunder, ON; Julia Visgauss, US; Curtis Woodford, ON; Thomas Lindsay, ON



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