

COS Virtual Abstract Presentations

Session 1 - Foot & Ankle

26 - Early Weightbearing Does Not Delay Jones Fracture Union following Fixation
Austin M. Looney, MD, Georgetown University Hospital

130 - Total Ankle Arthroplasty vs. Ankle Arthrodesis for Post-Traumatic Osteoarthritis
Bailey J. Ross, BA, Tulane University School of Medicine

113 - Outcomes of 3D Printed Total Talus Replacement for Talar AVN
Akhil Sharma, BS, Duke University Medical Center

115 - Medical Malpractice Trends in Foot and Ankle Surgery
Akhil Sharma, BS, Duke University Medical Center

118 - Safety and Efficacy of Novel Ultrasound Assisted Bioabsorbable Suture Anchor
Akhil Sharma, BS, Duke University Medical Center

119 - Talus Avascular Necrosis: Demographics, Epidemiology and Activity Level
Akhil Sharma, BS, Duke University Medical Center

121 - Outcomes Following Subchondroplasty in the First Metatarsal Head
Akhil Sharma, BS, Duke University Medical Center

Session 2 - Hand & Wrist

117 - Ulnar Metacarpal Base Fracture-Dislocations: Treatment Options and Literature Review
John B. Fuller, MD, William Beaumont Army Medical Center

67 - Elevated Hemoglobin A1c Is Not Associated with Risk of Postoperative Complications in Elective Hand and Upper Extremity Surgery
Stephen Sierra, MD, Texas Tech University Health Science Center

Session 3 - Other

37 - Intraosseous Bioplasty: A Minimally Invasive Technique for Treating Subchondral Cysts
Hugo C. Rodriguez Jr., MS, South Texas Orthopaedic Research Institute

Session 4 - Pediatrics

32 - Alpha 1-Adrenergic Receptor Blocker May Prevent Urinary Retention And Decrease Length Of Hospitalization Following Posterior Spinal Fusion For Adolescent Idiopathic Scoliosis
Georges Abdelahad, BS, Wake Forest School of Medicine

34 - Impact of Tamsulosin on Urinary Retention in Patients with Neuromuscular Scoliosis

Georges Abdelahad, BS, Wake Forest School of Medicine

137 - Effects of Fellowship Training on Pediatric Anterior Cruciate Ligament Reconstruction
Colin Burgess, DO, Hofstra at Northwell Health

132 - Weight-Bearing Restriction Treatment on Quality of Life in Legg-Calve-Perthes Disease
Dang-Huy Do, BA, Texas Scottish Rite Hospital

5 - Orthopaedic Surgery Resident Exposure to Pediatric Orthopaedics: An Analysis of Resident Case Logs
Andrew Dobitsch, BA, Rutgers New Jersey Medical School

66 - Medial Epicondyle Fractures in Athletes: A Systematic Review
Michael D. Eckhoff, MD, William Beaumont Army Medical Center

30 - Surgical Realignment for Patellar Subluxation in Juveniles
John E. Handelsman, MD, FRCS, MCh.Orth, NYU Langone Ambulatory Care - Hassenfeld Children's Hospital

59 - Retrospective Analysis of Adult vs. Pediatric Cerebral Palsy Care Patterns
Conor P. Lynch, MBS, Geisinger Commonwealth School of Medicine

134 - Obesity Influence on Common Pediatric Elbow Injuries
Lydia McKeithan, BE, Vanderbilt University School of Medicine

136 - Outcomes in Operative vs. Non-Operative Management of Pediatric Medial Epicondylar Fractures
Lydia McKeithan, BE, Vanderbilt University School of Medicine

103 - Anterior Prophylactic Fasciotomy for Operatively Managed Tibial Tubercle Fractures
Ashok Para, BA, Rutgers New Jersey Medical School

131 - Validating Wilkins' Classification of the Pediatric Flexion-Type Supracondylar Fracture
Andrew B. Rees, BS, Vanderbilt University School of Medicine

82 - Proximal Femur Guided Growth: A Systematic Review
Joshua C. Tadlock, MD, William Beaumont Army Medical Center

17 - Retrospective Review of Hip Surveillance in Pediatric Cerebral Palsy Patients
Jeremy Tokash, MHA, Geisinger Commonwealth School of Medicine

Session 5 - Practice Management/Education

4 - Cross-Sectional Analysis of Patient Perceptions of Virtual Visits in a Musculoskeletal Practice
Harrison Miner III, BA, University of Texas at Austin Dell Medical School

138 - Are We Still Interviewing Orthopaedic Surgery Candidates with Illicit Questions?
Shikha Sachdeva, MD, University of Louisville

Session 6 - Shoulder & Elbow

71 - Outcomes of Reverse Shoulder Arthroplasty with A Custom Glenoid Baseplate
Blake M. Bodendorfer, MD, Georgetown University Medical Center

77 - Significant Variability in Templating Software Glenoid Measurements for Shoulder Arthroplasty

Blake M. Bodendorfer, MD, Georgetown University Medical Center

48 - Outcome Comparison of RSA using Alternate Centerline for Baseplate Fixation
Teja S. Polisetty, BS, Holy Cross Orthopedic Institute

50 - Value Analysis of TSA and RSA for Osteoarthritis with an Intact Rotator Cuff
Teja S. Polisetty, BS, Holy Cross Orthopedic Institute

51 - Utility of Outpatient Arthroplasty Risk Assessment in Identifying Patients for Same-Day Discharge after Shoulder Arthroplasty

Teja S. Polisetty, BS, Holy Cross Orthopedic Institute

52 - Results of RSA with Press-Fit Metaphyseal Humeral Fixation
Teja S. Polisetty, BS, Holy Cross Orthopedic Institute

53 - RSA for Patients with Minimal Pre-Operative Pain: Matched Cohort Analysis
Teja S. Polisetty, BS, Holy Cross Orthopedic Institute

55 - RSA for Failed Proximal Humerus Osteosynthesis with Intramedullary Allograft
Teja S. Polisetty, BS, Holy Cross Orthopedic Institute

56 - Onlay vs. Inlay RSA: Retrospective Comparison of Radiographic and Clinical Outcomes
Teja S. Polisetty, BS, Holy Cross Orthopedic Institute

57 - Comparison Study on Effects of Iron Deficiency Anemia Following Primary Shoulder Arthroplasty

Teja S. Polisetty, BS, Holy Cross Orthopedic Institute

102 - Periprosthetic Humeral Fracture Management at a Level 1 Trauma Center
Logan Roebke, BS, University of Toledo College of Medicine

114 - Importance of Surgeon Judgment in Obtaining Early MRI for Acute Subacromial Injury
Trenton Stevens, MD, University of Tennessee - Campbell Clinic

43 - Comparison of Patient Demographics and Risk-Factors for Dislocation Following Primary Reverse Shoulder Arthroplasty

Samuel J. Swiggett, MD, Maimonides Medical Center

46 - Opioid Use Disorder and Implant-Related Complications Following Total Shoulder Arthroplasty

Samuel J. Swiggett, MD, Maimonides Medical Center

109 - The Effects of Depressive Disorders on Patients Undergoing Shoulder Arthroscopy

Ajit Vakharia, MD, University Hospitals Cleveland Medical Center, Case Western Reserve University

123 - Comparison Study of Causes and Risk-Factors Associated with Readmissions Following Primary Reverse Shoulder Arthroplasty

Ajit Vakharia, MD, University Hospitals Cleveland Medical Center, Case Western Reserve University

81 - Glenohumeral Mismatch Impacts Rotator Cuff Strain in Total Shoulder Arthroplasty

Melissa A. Wright, MD, Medstar Union Memorial Hospital

Session 7 - Spine

92 - Incidence of In-Hospital Complications and Mortality in Patients with High Cervical Spine Fractures?

Hakim Abraham, BS, Cooper Medical School of Rowan University

**Presented by Alec Kellish, BS*

90 - What is the Incidence of In-Hospital Mortality and Complications of Primary and Revision Fusion?

Garret Breyer, BS, Cooper Medical School of Rowan University

**Presented by Alec Kellish, BS*

80 - Rib-Based Anchors are Associated with Proximal Translational Deformity in EOSD Patients

Connor D. Burke, BS, Medical University of South Carolina

31 - Epidemiology, Incidence, and Survival of Ependymoma of the Spinal Cord: A Study from the SEER Database

George Gorgy, MD, Monmouth Medical Center

89 - What is the Incidence of In-Hospital Mortality and Complications of Primary and Revision Discectomies? Does Spinal Level Matter?

Alec Kellish, BS, Cooper Medical School of Rowan University

9 - Duration of Antibiotics for Penetrating Spine Trauma: A Systematic Review

Bilal Mahmood, MD, Maimonides Medical Center

68 - Spine Trauma in the Elderly: Increasing Incidence but Decreasing Severity
Andrew B. Rees, BS, Vanderbilt University School of Medicine
**Presented by Jacob D. Schultz, BA*

135 - Unique Patterns of Patient Factors in Elderly Spine Trauma Injuries
Andrew B. Rees, BS, Vanderbilt University School of Medicine

140 - Effect of Pharmacologic Prophylaxis on VTE and Hematoma Rates
Dharani Rohit Thota, BA, The University of Texas at Southwestern Medical Center

124 - Comparison Study of Acute Surgical Intervention to Delayed Surgical Intervention for Cauda Equina Syndrome: A Matched-Control Analysis
Ajit Vakharia, MD, University Hospitals Cleveland Medical Center, Case Western Reserve University

42 - Effects of Depressive Disorders Following Adult Spinal Deformity
Rushabh M. Vakharia, MD, Holy Cross Hospital

Session 8 - Sports Medicine

145 - Inter- and Intraobserver Reliability for Reparability of the Anterior Cruciate Ligament using MRI
Forrest L. Anderson, MD, Columbia University

146 - Analysis of Return to Play in National Basketball Association Players following Quadriceps Tendon Injuries
Forrest L. Anderson, MD, Columbia University

70 - Similar Joint Space Measurements with Supine and Weightbearing Pelvis Radiographs
Blake M. Bodendorfer, MD, Georgetown University Medical Center

72 - Lower Socioeconomic Status Delays ACLR and Increases Meniscus Tear Rate
Blake M. Bodendorfer, MD, Georgetown University Medical Center

73 - Epidemiology of NFL Pectoralis Major Injuries Over 22 Seasons
Blake M. Bodendorfer, MD, Georgetown University Medical Center

76 - Performance of NFL Players Sustaining a Pectoralis Major Injury
Blake M. Bodendorfer, MD, Georgetown University Medical Center

36 - Statistical Fragility of Hamstring vs. BTB Autografts for ACLR
Cooper Ehlers, BS, Georgetown University School of Medicine

29 - Blood Flow Restriction After ACL Reconstruction: A Randomized Control Trial
Nathan P. Fackler, MS, Georgetown University School of Medicine

110 - How Does Statewide Opioid Prescribing Policy Affect Orthopaedic Sports Surgeons?
Joseph Henningsen, MD, Wright State University Orthopedic Surgery Residency

112 - Stress Radiography Correlates to Posterolateral Corner Injury in Cadaver Model
Joseph Henningsen, MD, Wright State University Orthopedic Surgery Residency

97 - The Effect on Kinesio-Taping on Pain and Gait in Patellofemoral Pain Syndrome
Allison Kellish, DPT, Kean University

27 - Superior Outcomes of Hip Arthroscopy with Routine Capsular Closure
Austin M. Looney, MD, Georgetown University Hospital

28 - No Difference in Outcomes Between Docking and Figure-of-Eight UCLR Techniques
Austin M. Looney, MD, Georgetown University Hospital

79 - Is TT-TG Distance Associated with ACL Injury?
Austin M. Looney, MD, Georgetown University Hospital

54 - Comparison Study of Patient Demographics, Incidence, and Costs of Revisions for Superior Labrum Anterior and Posterior Tears
Teja S. Polisetty, BS, Holy Cross Orthopedic Institute

116 - Outcomes and Return to Play Following Unique Mini-Open Achilles Repair
Akhil Sharma, BS, Duke University Medical Center

120 - The Effect of Thursday Night Football on NFL Injuries
Akhil Sharma, BS, Duke University Medical Center

127 - Analysis of Patient-Related Risk Factors For Readmissions Following Arthroscopic Rotator Cuff Repair
Ajit Vakharia, MD, University Hospitals Cleveland Medical Center, Case Western Reserve University

Session 9 - Total Hip

41 - Comparison of Patient Demographics, In-Hospital Lengths of Stay, and Patient-Related Risk Factors for Postoperative Ileus Following Primary Total Hip Arthroplasty
Angelo Mannino, MD, Maimonides Medical Center

47 - Higher Rates of Thromboembolic Complications in COPD Patients Following Primary Total Hip Arthroplasty
Angelo Mannino, MD, Maimonides Medical Center

87 - What Is the Impact of Rheumatoid Arthritis and Systemic Lupus Erythematosus on in Hospital Complications after Total Hip Arthroplasty?
Jack W. Shilling, MD, Cooper Medical School of Rowan University

**Presented by Alec Kellish, BS*

Session 10 - Total Joint

141 - Extended Oral Antibiotics Prevent PJI in High-Risk Cases at One-Year

Michael M. Kheir, MD, Indiana University

142 - External Validation of Preoperative Prognostic Calculator for Periprosthetic Joint Infection

Michael M. Kheir, MD, Indiana University

**Presented by Ruben Monarrez, MD*

147 - Cemented vs. Cementless Total Hip Arthroplasty for Femoral Neck Fractures

Michael M. Kheir, MD, Indiana University

**Presented by Julian E. Dilley MD*

95 - Urinary Retention Infrequent After Anterior THA in the Surgery Center

Matt Mathew, MD, University of Tennessee Health Science Center - Campbell Clinic

133 - Extraarticular Metallosis of the Lower Leg Indicating Failed Ceramic Total Knee Arthroplasty

Amanda Purcell, MD, Texas Tech University Health Science Center

93 - Acute Kidney Injury After Total Hip and Knee Arthroplasty. What Is the Culprit?

Alisina Shahi, MD, PhD, Cooper Medical School of Rowan University

**Presented by Alec Kellish, BS*

Session 11 - Total Knee

144 - Mesh Dressings Reduce Wound Complications compared to Silver-Impregnated Occlusive Dressings After Knee Arthroplasty

Forrest L. Anderson, MD, Columbia University

84 - Intra- Articular Tranexamic Acid and Blood Loss after Total Knee Arthroplasty

Alec Kellish, BS, Cooper Medical School of Rowan University

94 - Manipulation Under Anesthesia following Two-Team Simultaneous Primary Total Knee Arthroplasty

Nicholas L. Kolodychuk, MD, Cleveland Clinic Akron General Medical Center

10 - Association of Blood Transfusion with Postoperative Respiratory Failure Following TKA

Bilal Mahmood, MD, Maimonides Medical Center

11 - Increasing DVT and PE Following Revision TKA

Angelo Mannino, MD, Maimonides Medical Center

85 - Impact of SLE and RA on Hospital Complications after TKA

Lawrence S. Miller, MD, Cooper Medical School of Rowan University
**Presented by Alec Kellish, BS*

69 - Retrospective Review of Short Term Efficacy of Metaphyseal Sleeves in Revision Knee Arthroplasty
Amanda Purcell, MD, Texas Tech University Health Science Center

104 - Management of Periprosthetic Tibial Fractures: A Case Series
Logan Roebke, BS, University of Toledo College of Medicine

105 - Effects of Gender on Outcomes Following Primary Total Knee Arthroplasty
Samuel J. Swiggett, MD, Maimonides Medical Center

44 - Risk Factors for Emergency Department Visits Following Primary Total Knee Arthroplasty
Rushabh M. Vakharia, MD, Holy Cross Hospital

Session 12 - Trauma

148 - A Comprehensive Look at Sacral Dysmorphism and a Review of Altered “Safe Zones” in Sacroiliac Screw Fixation
Andrew D. Ardeljan, BS, Nova Southeastern College of Osteopathic Medicine

24 - Review of Clinical Value of Oblique Knee Radiographs in the Acute Setting
Alexander T. Bradley, MD, University of Chicago

49 - Effects of Depressive Disorders Following Open Reduction and Internal Fixation for Acetabular Fractures
Matthew Ciminero, MD, Holy Cross Hospital

58 - Promising Results of Basicervical Femoral Neck Fractures Treated with Hemiarthroplasty
Ryan A. Davis, MD, Wright State University, Orthopaedic Surgery Residency

39 - Clinical and Radiographic Outcomes of the META-TAN in Femoral Shaft Fractures
Jorge C. De Leon, MD, University of Texas Health San Antonio

12 - Elbow Dislocation Approach to the Distal Humerus: An Anatomic Study
Benjamin W. Hoyt, MD, Walter Reed National Military Medical Center

13 - CT Bone Mineral Density Correlative Model for Combat Extremity Amputation
Benjamin W. Hoyt, MD, Walter Reed National Military Medical Center

15 - Long-Term Amputation Rate After Flap-Based Limb Salvage for Combat-Related Injury
Benjamin W. Hoyt, MD, Walter Reed National Military Medical Center

16 - Improving Practice Patterns for Targeted Muscle Reinnervation After Amputation
Benjamin W. Hoyt, MD, Walter Reed National Military Medical Center

60 - Differences Between Intertrochanteric and Femoral Neck Fractures in Resuscitation and Mortality

Scott W. Huff, MD, Wright State University Orthopedic Surgery Residency

100 - Impact of Primary Care Shortages on Inpatient Orthopedic Trauma Patients

Katherine J. Jensen, MChE, MPH, University of Texas Health Science Center San Antonio/Long School of Medicine

86 - What is the Incidence of in Hospital Mortality After Hip Fracture? Does Treatment Options Matter?

Rakesh P. Mashru, MD, Cooper Medical School of Rowan University

**Presented by Alec Kellish, BS*

91 - Hardware Removal Due to Infection after ORIF: Trends and Predictors

Rakesh P. Mashru, MD, Cooper Medical School of Rowan University

**Presented by Alec Kellish, BS*

22 - Outcomes of Primary vs. Staged Fixation of Open Ankle Fractures

Jordan Pamplin, BS, University of Louisville

74 - Use of 3D Navigation vs. Traditional Fluoroscopy for Pelvic Ring Fixation

Braden J. Passias, DO, OhioHealth

75 - Patellar Fixation Following Fracture: A Retrospective Review of Outcomes following Varying Surgical Interventions

Braden J. Passias, DO, OhioHealth

122 - Surgical Wound Classification as a Predictor of Surgical Site Infection

Ghulam Saadat, MD, Cook County Health

21 - Effects of Immediate vs. Delayed Weight-Bearing Following Ankle ORIF

Grant O. Schmidt, BA, University of Louisville

125 - Comparison of Medical Complications of Dynamic Hip Screw vs. Intramedullary Nail for Intertrochanteric Fractures

Ajit Vakharia, MD, University Hospitals Cleveland Medical Center, Case Western Reserve University

Session 13 - Tumor

25 - Identification of Novel Therapeutic Targets for Metastatic Osteosarcoma

Rebekah Belayneh, MD, University of Pittsburgh Medical Center

139 - Primary Osteosarcoma of the Pelvis: A Seer Data Analysis

Jeffrey Brown, BS, University of Miami Miller School of Medicine

8 - Proline-Rich-Polypeptide Decreases Cancer Stem Cell Population Targeting BAF Chromatin-Remodeling-Complexes in Human Chondrosarcoma JJ012-Cells

Anil B. Sedani, MS, University of Miami Miller School of Medicine

64 - Trends in Management of Atypical Cartilaginous Tumors

Matthew E. Wells, DO, William Beaumont Army Medical Center

Session 14 - Upper Extremity

14 - Epidemiology and Long-Term Outcomes of Wrist Sprains in Military Cadets

Benjamin W. Hoyt, MD, Walter Reed National Military Medical Center

111 - Periprosthetic Humeral Fractures: A Systematic Review

Logan Roebke, BS, University of Toledo College of Medicine

63 - Radial to Axillary Nerve Transfers: Outcomes in Shoulder Abduction and Factors to Consider

Matthew E. Wells, DO, William Beaumont Army Medical Center