

## PAOrtho Virtual Abstract Presentations

### **Foot & Ankle**

76 - Risk Factors for Infection Following Open Reduction and Internal Fixation for Lateral Malleolar Ankle Fractures

*Eric Roth, MD, Holy Cross Hospital*

### **Hand & Wrist**

108 - Does Prophylactic Carpal Tunnel Release Improve Patient Reported Outcomes after Distal Radius Fracture Stabilization?

*Jonathan Dalton, MD, University of Pittsburgh Medical Center*

18 - Morphologic Analysis Of Metacarpal Shafts With Respect To Retrograde Intramedullary Headless Screw Fixation

*Michael Darowish, MD, Penn State Milton S. Hershey Medical Center*

27 - Diagnostic Value of Ultrasound in CTS in Diabetic vs. Non-Diabetic Populations

*Cory Demino, MD, University of Pittsburgh School of Medicine*

28 - Ultrasound Measurement Error and its Implications for Carpal Tunnel Syndrome Diagnosis

*Cory Demino, MD, University of Pittsburgh School of Medicine*

29 - Ultrasound and BCTQ Changes in Three Common Carpal Tunnel Release Techniques

*Cory Demino, MD, University of Pittsburgh School of Medicine*

30 - Changes in NCS after DRF Fixation via Volar Approach and Locked Plate

*Cory Demino, MD, University of Pittsburgh School of Medicine*

32 - Comparison of Borderline Ultrasound and NCS Values for Carpal Tunnel Syndrome

*Cory Demino, MD, University of Pittsburgh School of Medicine*

43 - Psychiatric Diagnoses and Carpal Tunnel Release Outcomes

*Emily Hacker, BS, University of Pittsburgh School of Medicine*

41 - Single-Use Sterile vs. Reprocessed Distal Radius Volar Plate Sets: Comparative Cost Analysis

*Justin A. Ly, BA, Rothman Institute*

38 - Predictive Factors for Return to Driving Following Volar Plate Fixation of Distal Radius Fracture

*Spencer Posiet, BS, Rothman Institute*

105 - Recurrence of Trigger Finger after Betamethasone vs. Depo-Medrol Corticosteroid Injections

*Nyaluma Wagala, MD, University of Pittsburgh*

### **Other**

3 - Hospital Charge Description Masters Fail to Estimate Complex Procedure Charges  
*Thomas Evashwick-Rogler, MS, University of Pittsburgh School of Medicine*

### **Pediatrics**

47 - Displaced Pediatric Supracondylar Humerus Fractures: Treatment by a Pediatric Orthopaedic Surgeon vs. A Non-Pediatric Orthopaedic Surgeon  
*Melanie Patterson, BS, Pennsylvania State College of Medicine*

101 - Thread Delamination in Cannulated Screws: Case Series in Pediatric Trauma  
*Rajiv P. Reddy, BS, University of Pittsburgh School of Medicine*

56 - Implementing a High-Risk Protocol for Children Undergoing Planned Spinal Fusion  
*Timothy G. Visser, MD, MBA, Penn State Health Milton S. Hershey Medical Center*

102 - Opioid Prescription Patterns at an Orthopaedic Pediatric Referral Center  
*Richard Wawrose, MD, University of Pittsburgh Medical Center*

55 - Surgical Outcomes for Accessory Navicular in Adolescents  
*Ae Lim Yang, BS, Penn State College of Medicine*

### **Practice Management/Education**

39 - Using Triggers to Detect Adverse Events Following Outpatient Orthopedic Surgery at a Single Ambulatory Surgery Center  
*Daniel Calem, BA, Rothman Institute*

40 - The Effect of Pre-Operative Opioid Education on Post-Operative Opioid Consumption After Outpatient Orthopaedic Surgery: Prospective Randomized Trial  
*Clay Townsend, BS, Rothman Institute*

### **Shoulder & Elbow**

31 - MRI Findings After Elbow Dislocation: A Descriptive Study  
*Cory Demino, MD, University of Pittsburgh School of Medicine*

115 - rRNA PCR vs. Culture to Detect C. Acnes in Glenohumeral Synovium  
*Margaret Hankins, MD, University of Pittsburgh Medical Center*

96 - Kinematic Changes may not Influence Clinical Outcomes after SCR  
*Albert Lin, MD, University of Pennsylvania Medical Center*

98 - The Effects of Surgical Parameters on Functional Outcomes after RSA

*Albert Lin, MD, University of Pennsylvania Medical Center*

99 - Reduced Kinematic Variability During a Functional Movement following SCR

*Albert Lin, MD, University of Pennsylvania Medical Center*

100 - Healing does not Influence Functional or Subjective Outcomes after SCR

*Albert Lin, MD, University of Pennsylvania Medical Center*

104 - Outcomes of Reverse Total Shoulder Arthroplasty in a Community Hospital

*Leighann C. Panico, DO, MPH, University of Pittsburgh Medical Center Pinnacle Orthopedics*

111 - Marginal Convergence vs. Superior Capsular Reconstruction for Irreparable Rotator Cuff Tears

*Neel K. Patel, MD, University of Pittsburgh*

9 - Outcome Comparison of RSA using Alternate Centerline for Baseplate Fixation

*Teja S. Polisetty, BS, Holy Cross Orthopedic Institute*

10 - Value Analysis of TSA and RSA for Osteoarthritis with an Intact Rotator Cuff

*Teja S. Polisetty, BS, Holy Cross Orthopedic Institute*

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

*Teja S. Polisetty, BS, Holy Cross Orthopedic Institute*

12 - Results of RSA with Press-Fit Metaphyseal Humeral Fixation

*Teja S. Polisetty, BS, Holy Cross Orthopedic Institute*

13 - RSA for Patients with Minimal Pre-Operative Pain: Matched Cohort Analysis

*Teja S. Polisetty, BS, Holy Cross Orthopedic Institute*

16 - Onlay vs. Inlay RSA: Retrospective Comparison of Radiographic and Clinical Outcomes

*Teja S. Polisetty, BS, Holy Cross Orthopedic Institute*

58 - Effects of Alcohol Use Disorder Following Primary Reverse Shoulder Arthroplasty

*Eric Roth, MD, Holy Cross Hospital*

59 - Longer In-Hospital Lengths of Stay and Higher Rates of Medical Complications Amongst COPD Patients Undergoing Primary Reverse Shoulder Arthroplasty

*Eric Roth, MD, Holy Cross Hospital*

60 - Impact of Iron Deficiency Anemia on Reverse Shoulder Arthroplasty

*Eric Roth, MD, Holy Cross Hospital*

68 - Causes and Costs of 90-Day Readmissions Following Primary Total Shoulder Arthroplasty

*Eric Roth, MD, Holy Cross Hospital*

70 - Risk Factors for Infections Following Primary Total Elbow Arthroplasty  
*Eric Roth, MD, Holy Cross Hospital*

71 - Risk Factors for Dislocations Following Primary Reverse Shoulder Arthroplasty  
*Eric Roth, MD, Holy Cross Hospital*

72 - Risk Factors for Mechanical Loosening Following Primary Total Elbow Arthroplasty  
*Eric Roth, MD, Holy Cross Hospital*

74 - Comparison of Complications Between InPatient and OutPatient Total Shoulder Arthroplasty  
*Eric Roth, MD, Holy Cross Hospital*

77 - How Does Gout Impact Outcomes Following Primary Reverse Shoulder Arthroplasty?  
*Eric Roth, MD, Holy Cross Hospital*

82 - Causes and Costs of Ninety-Day Readmissions Following Primary Total Elbow Arthroplasty  
*Eric Roth, MD, Holy Cross Hospital*

154 - Arthroscopic Debridement of Primary Elbow Osteoarthritis: 5-Year Survival Rate  
*Adam J. Santoro, DO, Rowan SOM, Rothman Orthopaedic Institute*

69 - Implant-Related Complications in Opioid Use Disorder Patients Following Primary Total Shoulder Arthroplasty  
*Samuel J. Swiggett, MD, Holy Cross Hospital*

51 - Analysis of Long-Term Outcomes Following Surgical Contracture Release of the Elbow  
*Gary Updegrave, MD, Penn State College of Medicine*

## **Spine**

141 - Incidence of In-Hospital Complications and Mortality in Patients with High Cervical Spine Fractures  
*Hakim Abraham, BS, Cooper Medical School of Rowan University*

4 - Effect of Simple Cervical Spine Exercise Regimen on Neck Pain  
Bryan G. Anderson, DO, LECOM Health, Millcreek Community Hospital

45 - Preoperative Mental Health Component Scoring Is Related to Patient Reported Outcomes Following Lumbar Fusion  
*Joseph Bechay, BS, The Rothman Institute*

49 - VTE Prevalence following SCI in an Urban Inner City Hospital  
*Akul Patel, MD, Temple University School of Medicine*

50 - Lumbar Instability Assessment with MRI-Flexion X-ray Surpasses Flex-Extension X-rays  
*Akul Patel, MD, Temple University School of Medicine*

138 - Incidence of In-Hospital Mortality and Complications of Primary and Revision Discectomies? Does Spinal Level Matter?  
*Garret Breyer, BS, Cooper Medical School of Rowan University*

133 - In-Hospital Complications after Spinal Fusion in RA/SLE Patients  
*Lindsay Fleischer, BS, Cooper Medical School of Rowan University*

139 - What is the Incidence of In-Hospital Mortality and Complications of Primary and Revision Fusion?  
*Alec Kellish, BS, Cooper Medical School of Rowan University*

64 - Impact of Depression Following Primary 1- to 2- Level Lumbar Fusion  
*Eric Roth, MD, Holy Cross Hospital*

66 - Depressive Disorders Increase Complications and Costs Following Spine Surgery for Adult Spinal Deformity  
*Eric Roth, MD, Holy Cross Hospital*

24 - Examining Outcomes of Lumbar Radiculopathy from a Multidisciplinary Spine Center: A Retrospective Review  
*Dharani Rohit Thota, BA, The University of Texas at Southwestern Medical Center*

25 - Anticoagulation in Elective Spine Cases: Rates of Hematomas vs. Thromboembolic Disease  
*Dharani Rohit Thota, BA, The University of Texas at Southwestern Medical Center*

### **Sports Medicine**

91 - Return Sports Testing Lower Recurrence Rates after Shoulder Stabilization Surgery  
*Mauricio Drummond, MD, University of Pittsburgh Medical Center*

90 - Outcomes after Knotted vs. Knotless Double Row Transosseous Equivalent Repair Techniques  
*Michael A. Fox, MD, University of Pittsburgh*

87 - Outcomes Following Repair of Isolated Supraspinatus Partial- and Full-Thickness Tears  
*Jonathan D. Hughes, MD, University of Pittsburgh*

89 - Failure Rates, Clinical Outcomes after Treatment for Biceps Brachii Tendon Pathology  
*Jonathan D. Hughes, MD, University of Pittsburgh*

17 - Distal Biceps Tendon Repair Using 'All-Suture' Soft Anchors  
*Sreenivasulu M. Metikala, MD, Penn State Milton S Hershey Medical Center*

15 - 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*

127 - Patient Satisfaction and Functional Outcomes of Multiple Joint Replacements

*Somnath Rao, BS, Rothman Institute*

52 - Opioid Use Disorder Negatively Impacts Arthroscopic Rotator Cuff Repair

*David Richardson, MD, Holy Cross Hospital*

57 - Risk Factors for Infections Following Arthroscopic Rotator Cuff Repair

*Eric Roth, MD, Holy Cross Hospital*

73 - Impact of Opioid Use Disorder Following Knee Arthroscopy

*Eric Roth, MD, Holy Cross Hospital*

88 - Outcomes Following Supraspinatus, Subscapularis Repairs vs. Isolated Supraspinatus Repairs

*Emily Whicker, MD, University of Pittsburgh*

### **Total Hip**

144 - Constrained Liner Models have Different Survival Rates following THA Dislocation

*Thomas Evashwick-Rogler, MS, University of Pittsburgh School of Medicine*

61 - Outcomes of Octogenarians Undergoing Primary Total Hip Arthroplasty

*Angelo Mannino, MD, Holy Cross Hospital*

119 - Post-Traumatic Total Hip Arthroplasty after Acetabular Fractures: Benefits of the Hardinge Approach

*Humza Shaikh, MD, The University of Pittsburgh Medical Center*

145 - Depression in Total Hip Arthroplasty: Cost and Outcomes

*Wayne A. Wilkie, DO, MHSA, Philadelphia College of Osteopathic Medicine*

151 - 90-Day Outcomes of THAs at Publicly vs. Privately Owned Hospitals

*Wayne A. Wilkie, DO, MHSA, Philadelphia College of Osteopathic Medicine*

152 - Inpatient Dislocation Following THA: Many Complications, Few Answers

*Wayne A. Wilkie, DO, MHSA, Philadelphia College of Osteopathic Medicine*

153 - Postoperative Dislocation Following THA: An Ominous Sign?

*Wayne A. Wilkie, DO, MHSA, Philadelphia College of Osteopathic Medicine*

## **Total Joint**

157 - Predictors of Successful Fast-Track Discharge in Octogenarians  
*Courtney Bell, MD, Rothman Orthopaedic Institute*

113 - Laboratory-Reported Test Cutoffs Do Not Correspond to PJI Scoring System  
*Salvador Forte, DO, Philadelphia College of Osteopathic Medicine*

75 - Sonication and Predicting PJI in Aseptic Hip and Knee Revisions  
*Rebecca Minorini, BA, University of Pittsburgh*

## **Total Knee**

117 - Preoperative Risk Stratification Minimizes Complications in Obese Patients Undergoing TKA  
*Mitchell A. Johnson, BSE, University of Pennsylvania*

8 - Analysis of the Types, Causation, and Subsequent Management of Patella Fractures following a Total Knee Arthroplasty  
*Morgan Nickerson, DO, Millcreek Community Hospital*

146 - Depression in Total Knee Arthroplasty: Increased Cost and Mortality?  
*Wayne A. Wilkie, DO, MHSA, Philadelphia College of Osteopathic Medicine*

150 - Better Outcomes for TKAs under Publicly or Privately Owned Hospitals?  
*Wayne A. Wilkie, DO, MHSA, Philadelphia College of Osteopathic Medicine*

156 - Bipolar Disorder In TKA: Clinical and Economic Consequences  
*Wayne A. Wilkie, DO, MHSA, Philadelphia College of Osteopathic Medicine*

## **Trauma**

109 - Postoperative Radial Nerve Palsy in Humeral Shaft Nonunion Reconstruction: Can the Lateral Paratricipital Approach Prevent this Common Complication?  
*Christopher M. Gibbs, MD, University of Pittsburgh*

143 - Is there a Benefit in Delaying the Second Intramedullary Nailing in Patients with Multiple Lower Extremity Long Bone Fractures?  
*Alec Kellish, BS, Cooper Medical School of Rowan University*

23 - Operative Timing Does Not Affect Complication Rates in Diabetic Ankle Fractures  
*Andrew Konopitski, MD, St. Lukes University Health Network*

19 - The Role of Computed Tomography in the Detection of Traumatic Arthrotomies of the Elbow and Ankle: A Cadaveric Study  
*Vinicius Ladeira Craveiro, MD, Penn State Hershey Medical Center*

33 - Distal Radius Fractures in Diabetic Patients: An Analysis of Surgical Timing and Other Factors That Affect Complication Rate

*Ajith Malige, MD, St. Luke's University Hospital*

34 - Union Rate, Complication Rate, and Opioid Usage after Vancouver B Periprosthetic Femur Fractures: A Comparison of Fracture Types

*Ajith Malige, MD, St. Luke's University Hospital*

35 - Stabilization of Vancouver B Periprosthetic Femur Fractures with Cerclage Wiring: A Retrospective Chart Review

*Ajith Malige, MD, St. Luke's University Hospital*

42 - Conservative Treatment of a Nondisplaced Intertrochanteric Femur Fracture: Case Report

*Jason E. Mascoe, BS, Penn State College of Medicine*

92 - Quadriceps Tendon Repair Techniques: A Systematic Review

*Anuj V. Mehta, BS, Penn State College of Medicine*

21 - Cable Augmentation for Distal Periprosthetic Femur Fractures

*Ryan Michels, Reading Hospital Tower Health*

54 - Factors Influencing Geriatric Orthopaedic Trauma Mortality

*Frederick Mun, BS, BA, Penn State Hershey Medical Center*

65 - Risk Factors for Infection Following Primary Total Hip Arthroplasty for Acetabular Fractures

*Eric Roth, MD, Holy Cross Hospital*

80 - A Nationwide Analysis on the Impact of Depressive Disorder Following ORIF for Tibial Plateau Fractures

*Eric Roth, MD, Holy Cross Hospital*

6 - The Vacuum Phenomenon in the Elbow: A Case Report

*Tyler J. Smith, DO, Philadelphia College of Osteopathic Medicine*

## **Tumors**

5 - Identification of Novel Therapeutic Targets for Metastatic Osteosarcoma

*Rebekah Belayneh, MD, University of Pittsburgh Medical Center*

118 - Infragluteal Exposure for Resection of Subgluteal Tumors: A Surgical Technique Guide

*Vincenzo Bonaddio, MD, Penn State Health Milton S. Hershey Medical Center*