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, Pennsylvannia State College 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

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
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>70</td>
<td>Risk Factors for Infections Following Primary Total Elbow Arthroplasty</td>
<td>Eric Roth, MD</td>
<td>Holy Cross Hospital</td>
</tr>
<tr>
<td>71</td>
<td>Risk Factors for Dislocations Following Primary Reverse Shoulder Arthroplasty</td>
<td>Eric Roth, MD</td>
<td>Holy Cross Hospital</td>
</tr>
<tr>
<td>72</td>
<td>Risk Factors for Mechanical Loosening Following Primary Total Elbow Arthroplasty</td>
<td>Eric Roth, MD</td>
<td>Holy Cross Hospital</td>
</tr>
<tr>
<td>74</td>
<td>Comparison of Complications Between InPatient and OutPatient Total Shoulder Arthroplasty</td>
<td>Eric Roth, MD</td>
<td>Holy Cross Hospital</td>
</tr>
<tr>
<td>77</td>
<td>How Does Gout Impact Outcomes Following Primary Reverse Shoulder Arthroplasty?</td>
<td>Eric Roth, MD</td>
<td>Holy Cross Hospital</td>
</tr>
<tr>
<td>82</td>
<td>Causes and Costs of Ninety-Day Readmissions Following Primary Total Elbow Arthroplasty</td>
<td>Eric Roth, MD</td>
<td>Holy Cross Hospital</td>
</tr>
<tr>
<td>154</td>
<td>Arthroscopic Debridement of Primary Elbow Osteoarthritis: 5-Year Survival Rate</td>
<td>Adam J. Santoro, DO</td>
<td>Rowan SOM, Rothman Orthopaedic Institute</td>
</tr>
<tr>
<td>69</td>
<td>Implant-Related Complications in Opioid Use Disorder Patients Following Primary Total Shoulder Arthroplasty</td>
<td>Samuel J. Swiggett, MD</td>
<td>Holy Cross Hospital</td>
</tr>
<tr>
<td>51</td>
<td>Analysis of Long-Term Outcomes Following Surgical Contracture Release of the Elbow</td>
<td>Gary Updegrove, MD</td>
<td>Penn State College of Medicine</td>
</tr>
<tr>
<td>4</td>
<td>Effect of Simple Cervical Spine Exercise Regimen on Neck Pain</td>
<td>Bryan G. Anderson, DO</td>
<td>LECOM Health, Millcreek Community Hospital</td>
</tr>
<tr>
<td>45</td>
<td>Preoperative Mental Health Component Scoring Is Related to Patient Reported Outcomes Following Lumbar Fusion</td>
<td>Joseph Bechay, BS</td>
<td>The Rothman Institute</td>
</tr>
<tr>
<td>49</td>
<td>VTE Prevalence following SCI in an Urban Inner City Hospital</td>
<td>Akul Patel, MD</td>
<td>Temple University School of Medicine</td>
</tr>
</tbody>
</table>
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 Paratrisepital 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