

2026 EOA E-Poster Presentations

Basic Science

362 - Last to Fuse First to Fail: A New Acetabular Paradigm

August Kim, BS, Vanderbilt University School of Medicine

9 - The Development and Implementation of a Computational Framework to Simulate Patellofemoral Joint Mechanics: Direct Comparisons Between Musculoskeletal Modeling and Finite Element Analysis

Mark Seeley, MD, Geisinger Health Systems

Foot and Ankle

58 - Clinical and Radiographic Outcomes Following Three-Dimensional Correction of Hallux Valgus

Brody Fitzpatrick, MD, West Virginia University

1106 - Defining and Predicting Clinically Meaningful Pain Relief Following Total Ankle Arthroplasty

William Green, BS. Med, Johns Hopkins University School of Medicine

429 - Modifiable Predictors of CRPS After Lower Extremity Fractures

Kush Mody, BS Drexel University College of Medicine

369 - Suture Augmentation May Not Provide Benefit in ATFL Repair: A Systematic Review and Meta-Analysis

Jared Rubin, NYU Langone Health

3 - Risk Factors for Periprosthetic Tibial Fracture Following Ankle Arthrodesis

Thomas Shuler, MD, Carilion Clinic

522 - Immediate vs. Delayed Fixation for Calcaneal Fractures

Nikola Susic, BS, University of Miami Miller School of Medicine

4 - Limited Evidence to Support the Use of Intra-Articular Hyaluronic Acid for the Treatment of Ankle Osteoarthritis: A Systematic Review and Meta-Analysis of Randomized Control Trials

Alexander Tham, MD, NYU Langone Health

392 - Establishing a MCID for FAAM Score Following Total Ankle Arthroplasty

Grant Thomas, BS, Rothman Orthopaedic Institute

Hand & Wrist

1113 - Can Artificial Intelligence Reliably Measure Median Nerve Cross-Sectional Area? A Validation Study Using Clarius Handheld Ultrasound

Kikelola Afolabi-Brown, BS, MS, Rutgers Robert Wood Johnson Medical School

983 - Evaluation of GLP-1 Protocols on Patient Safety in Hand Surgery
Tia Alexander, DO, Jefferson Health New Jersey

731 - Diagnostic Ultrasound and Corticosteroid Injections in Radial Tunnel Syndrome
Fatimah Alhassan, BS, Sidney Kimmel Medical College

681- A Comparison Between Commercial and Generic Artificial Intelligence Dictation Platforms in Generating Health Medical Notes in Orthopaedic Hand Surgery
Nazanin Kermanshahi, MD, Rothman Orthopaedic Institute

848 - Finger Blisters in Major League Baseball Pitchers: Risk Factors and Performance Impact
Dongyeon Kim, MD, Columbia

696 - Perioperative Acid Suppression and Outcomes After Distal Radius ORIF
Firdavs Kurbanov, BS, University of Rochester School of Medicine and Dentistry

956- Distal Ulna Fractures Worsen Patient-Reported Outcomes After Distal Radius ORIF: Role of Intramedullary Screw Fixation
Adam Lencer, DO, Jefferson Health New Jersey

589 - Open Distal Radius Fractures: Outcomes of Urgent vs. Delayed Washout
Joshua Li, BSE, Emory University School of Medicine

567 - Impact of Corticosteroid Use on Complications Following Olecranon Fracture Repair
Lasya Sethi, Sidney Kimmel Medical College, Thomas Jefferson University

1167 - PASS and MCID Discordance After Carpal Tunnel Release
Anuj Vimawala, BS, Carle Illinois College of Medicine

1204 - Patterns Of Diagnostic Discordance in Carpal Tunnel Syndrome
Anuj Vimawala, BS, Carle Illinois College of Medicine

1159 - Carpal Tunnel Release Outcomes with Normal Electrodiagnostic and Ultrasound Testing
Jacob Weinberg, BS, University of Pittsburgh

1180 - Cost-Effectiveness of Contemporary Treatment Strategies for Trigger Finger
Jacob Weinberg, BS, University of Pittsburgh

1024 - Is Intraoperative Anesthesia Monitoring Necessary in Outpatient Hand Surgery Utilizing WALANT?
Samantha Weiss, MD, St. Luke's University Health Network

Pediatrics

875 - Institutional Learning Curve Associated with Surgeons Transitioning to New Practices

Dustin Greenhill, MD, FAOA, FAAOS, St. Luke's University Health Network

89 - Tibial Tubercle Avulsion Fracture Outcomes in Intraarticular vs. Extraarticular Injuries in Teenagers

Timothy Hartman, MD, SUNY Upstate Medical University

961 - Explainable Machine Learning Predicts eLOS and Reoperation After Pediatric SCFE

Allison Kowalewski, ScM, BS, Rutgers New Jersey Medical School

1108 - Comparing Surgical Approaches for Achilles Tendon Lengthening

Francisco Matos, BA, Stony Brook University Hospital

1045 - Return to Sport After Initial Patellofemoral Instability: A Systematic Review of Functional Recovery and Activity Resumption in Level I and II Evidence

Nikolaos Paschos, MD, PhD, Mass General Brigham

932 - Adverse Events and Device-Related Problems Associated With ApiFix for Adolescent Idiopathic Scoliosis: An Analysis of the MAUDE Database.

Irvin Vaca, MD, HCA Florida JFK Hospital

Practice Management/Education

884 - National Patterns of Geographic Mobility from 2018-2023: A Medicare Analysis of 20 000 U.S. Orthopaedic Surgeons

Akin Adio, BS, Perelman School of Medicine at the University of Pennsylvania

141 - Insurance Type as Predictor of Tibial Plateau Fracture Recovery Outcomes

Grace Chong, BS, Albert Einstein College of Medicine

350 - Patient Perceptions and Knowledge of Corticosteroid Injections: A Cross-Sectional Survey Study

Juliet Chung, MD, Atrium Health Wake Forest Baptist Medical Center

1076 - Artificial Intelligence–Based Slice Interpolation to Reduce Acquisition Time in Knee MRI

Sohil Dharia, BS, Albany Medical College

Shoulder and Elbow

789 - No Increased Risk of Perioperative Complications with Preoperative GLP-1 RA Use in Shoulder Surgery

Evan Bailey, MD, Emory University

1227 - Effect of TXA on Reoperation Rates After Rotator Cuff Repair

Jeffrey Coombs, MD, University of Rochester

889 - Deltoid Volume Ratios Predict Reverse Shoulder Arthroplasty Outcomes: Multicenter Study

Daniel DeShetler, MD, Palm Beach Shoulder Service at Atlantis Orthopedics

164 - Age Is Not a Contraindication: Outcomes of Distal Biceps Tendon Repair in Elderly Patients

Aseel Dib, MD, Carolinas Medical Center

818 - Early Post-Operative Internal Rotation Does Not Compromise Short-Term rTSA Outcomes

Dylan Greif, MD, University of Rochester Medical Center

307 - Education Reduces Opioid Consumption After Arthroscopic Rotator Cuff Repair: Review

Kyle Harvey, BS, Hackensack Meridian School of Medicine

641 - Early Outcomes of Suture Tension Band Fixation for Olecranon Fractures

Christopher Jones, MD, The Rothman Institute

385 - Minimum 10-Year Follow-Up of Anatomic Total Shoulder Arthroplasty

Nazanin Kermanshahi, MD, Rothman Orthopaedic Institute

282 - Glenohumeral Arthritis Impairs Shoulder Mobility and Promotes Dynamic Compensatory Strategies During Overhead Reach

Nicholas Morriss, MD, University of Rochester Medical Center

285 - Glenohumeral Arthritis Increases Risk of Subsequent Cervical and Lumbar Spine Pathology

Nicholas Morriss, MD, University of Rochester Medical Center

203 - Sex-Specific Association Between Height and Acromion Fractures After rTSA

Albert Mousad, MD, Geisinger Musculoskeletal Institute

888 - Total Shoulder Arthroplasty Utilization: Analyzing Geographic Inequities in Surgical Access

Nader Mujtaba, BA, Georgetown University School of Medicine

838 - Preoperative GLP-1 Use in Shoulder Arthroplasty: A Matched Cohort Study

Vidushan Nadarajah, MD, University of Virginia

1198 - Medical Necessity of Review Assessment Prior to Shoulder Arthroplasty

Joshua Roemer, BS, FAU Schmidt College of Medicine

312 - Impact of Treated vs Untreated Depression and Anxiety on Opioid Use and Complications in Total Shoulder Arthroplasty Patients

Akash Singh, MD, Rothman Orthopaedic Institute

1118 - Outcomes of Posterior Glenoid Reconstruction for Deficiency and Dysplasia

Evan Stieler, MD, MBA, Harvard Combined Residency Program

773 - Return to Sport Following Reverse and Anatomic Total Shoulder Arthroplasty

Alex White, MD, Hospital for Special Surgery

776 - Preoperative STOP-BANG Score Associations in Patients Undergoing Elective Shoulder Surgery

Alex White, MD, Hospital for Special Surgery

Spine

415 - Does Surgeon Gender/Size Affect Muscle Exertion During Spine Surgery?

Joshua Abrams, MS, Medical University of South Carolina

1223 - Leg Length Discrepancy is Associated with Lumbar Stenosis

Nicholas Ahn, MD, University of Louisville School of Medicine

831 - No Improvement in Mortality after Surgical Fixation of Type 2 Odontoid Fractures in the Elderly

Andrew Croft, MD, University of Louisville

128 - Preoperative GLP-1 Therapy Reduces Pseudarthrosis and Revisions After ACDF

Blake Delgadillo, DO, Jefferson Health

391- Paraspinal Fat Infiltration in ACDF Patients: Frailty and Postoperative Outcomes

Aidan Gillespie, BS, Medical University of South Carolina

391- Paraspinal Fat Infiltration in ACDF Patients: Frailty and Postoperative Outcomes

Aidan Gillespie, BS, Medical University of South Carolina

399 - Paraspinal Fatty Infiltration on Frailty and Outcomes in PCDF

Aidan Gillespie, BS, Medical University of South Carolina

414 - Antibiotic Allergies Increase Risk of Postoperative Complications in Posterior Spinal Instrumentation

Christian Guevara, BA, Herbert Wertheim College of Medicine

1202 - Perioperative Dipeptidyl Peptidase-4 Inhibitor (DPP-4) Use Is Not Associated with Pseudarthrosis Risk After All-Cause Spine Surgery: A Retrospective Cohort Study

Ziad Hassan, MD, Zucke School of Medicine

401 - Segmental Variability of Paraspinal Lumbar Fatty Infiltration and Outcomes

Maxwell Northrop, BS, Medical University of South Carolina

382 - Preoperative MRI-Derived Navigation Reduces Radiation Exposure in Pediatric Spinal Fusion

Logan Reed, MD, Orlando Health

1136 - Simultaneous vs. Staged Decompression for Tandem Spinal Stenosis
Avrit Tung, BS, Perelman School of Medicine at the University of Pennsylvania

686 - A Retrospective Analysis on Complications Readmissions and Costs of Care in Patients Who Have Sarcoidosis Undergoing Single Level Primary Posterior Spinal Fusion: A Case-Matched Investigation of the PearlDiver Database
Rushabh Vakharia, MD, Miami Orthopaedic Research Foundation

Sports Medicine

1165 - Age >40 Have Excellent Outcomes After Shoulder Stabilization Procedures
Rushani Cameron, MS, BA, NYU Grossman School of Medicine

471 - Two-Year Outcomes After Multi-ligament vs. ACL Reconstruction: A Propensity-Matched Study
Matthew Chrencik, BS, University of Maryland School of Medicine

989 - Return to Performance Following ACL Reconstruction in National Football League Offensive Players
Sohil Desai, MD, Columbia Orthopedics

1069 - Pie-Crusting the MCL during Knee Arthroscopy is Safe: Systematic Review
Francesca Docters, BA, Icahn School of Medicine at Mount Sinai

325 - Nicotine Dependence and Post-Operative Complications Following Rotator Cuff Repair
Kimberly Dong, BS, Rothman Orthopaedic Institute

524 - First-Time Shoulder Dislocations in Patients 55 Years and Older: A Retrospective Review of Operative and Non-Operative Treatment
Stephanie Eble, MD, Rothman Orthopaedic Institute

908 - Patient-Reported Outcomes following Arthroscopic Hip Labral Repair With vs. Without Bone Marrow Aspirate Concentrate Augmentation
Adam Elkholy, BS, St. Joseph's University Medical Center

477 - Predictors of PROMIS Pain Interference after Rotator Cuff Repair
Kathleen Healey, MD, University of Maryland Shock Trauma Center

1031 - Smoking and Inflammatory Biomarkers in Synovial Fluid for Meniscal Injuries
Jessica Kurtz, BS, NYU Grossman School of Medicine

170 - Effects of Joint Hypermobility on UCL Laxity in Professional Pitchers
Ryan Paul, BS, Hackensack Meridian School of Medicine

1220 - Symptom Duration Does Not Predict Ten-Year Outcomes After Hip Arthroscopy
Jade Refuerzo, BS, NYU Langone Health

616 - Increased Posterior Tibial Slope Predicts Failure After Medial Meniscus Root Repair
Samy Shelbaya, MD, NYU Langone Orthopedics

493 - Effects of GLP-1 Agonist Medications on Knee Extensor Mechanism Repair
Lindsey Tully, MD, Prisma Health-Upstate

1018 - Do Sports Medicine Research Grants Predict Academic Success? A 50-Year Analysis
Jack Twomey-Kozak, MS4, Duke University School of Medicine

1035 - Posterior Tibial Slope Does Not Predict Failure After Isolated Meniscus Repair
Jack Twomey-Kozak, MS4, Duke University School of Medicine

441 - BMAC vs. Microfracture for Chondral Flaps During Hip Arthroscopy: 2-Year Outcomes
Jackson Woodrow, BS, Massachusetts General Hospital

Total Hip

683 - Automated Broaches and The Risk of Noise Induced Hearing Loss
Jack Carfagno, DO, Jefferson Health New Jersey

778 - Automated vs. Manual Impaction Sound Exposure in THA
Aaron Davidson, BS, Florida International University Herbert Wertheim College of Medicine

448 - Who is Currently Being Discharge to Facility Following THA?
Sarah Koljaka, NYU Langone Orthopedics

556 - Comparable Survivorship in Metallosis Revision THA: MDM vs Polyethylene
Alan Lam, BS, Rothman Orthopaedic Institute

1120 - Perioperative Outcomes of Conversion Total Hip Arthroplasty After Failed Fixation
Shriyaus Lingam, BA, Rutgers New Jersey Medical School

334 - Canal Calcar Ratio Predicts Femoral Complications in Sickle Cell Disease
Maya Moore, MD, MPH, Columbia- New York Presbyterian

559 - Repeat Dislocation Risk by Surgical Approach in Total Hip Arthroplasty
Vaidehi Patel, BA, Rothman Orthopaedic Institute

973 - Revision Fixation of Primary Cemented Femoral Stems
Nele Wagener, MD, Center for Musculoskeletal Surgery Charité-University Medicine Berlin Berlin Germany.

1062 - Periprosthetic Fracture After Total Hip Arthroplasty: Moving in Wrong Direction

Christine Zickler, MS, Florida International University Herbert Wertheim College of Medicine

Total Joint

29 - Ipsilateral Knee Re-Operation Rates Following Patellofemoral Arthroplasty: Analysis of a Statewide Database

Amanda Avila, MD, MPH, NYU Langone

1115 - Equivalent Dislocation Rates Between Jumbo Femoral Heads and Dual-Mobility Liners
Olatunde Badejo, MD, Hospital for special surgery

1224 - Multidimensional Psychosocial Screening in Ambulatory Total Joint Arthroplasty
Billy Kim, MD, Hospital for Special Surgery

23 - Care Hotel with Virtual Monitoring as an Alternative Recovery Pathway for Outpatient Total Joint Arthroplasty: Safety and Patient Experience
Jayanth Kumar, MD, UF Health Jacksonville

330 - Validation of a Deep-Learning Model for THA Surgical Approach Data Capture
Joshua Rozell, MD, NYU Langone Health

247 - Outpatient Elective Joint Arthroplasty Requires Substantial Perioperative Work in 2025
R. Alex Ruberto, MD, Columbia University Medical Center

505 - Preoperative Fructosamine Does Not Predict Postoperative Glycemic Variability After TJA
Aneesh Samineni, MD, University of Miami Total Joint

1213 - The Impact of Social Media for Adult Reconstruction Surgeons
Omar Syed, BS, Emory University

1222 - Positive vs Negative Pressure Helmet CO₂ Levels
Omar Syed, BS, Emory University

852 - Radiographic Adiposity Index Predicts Wound Risk After THA
Patrick Waldron, DO, Miami Orthopaedic Research Foundation

1050 - Does CPAK Classification Preservation and Joint Line Obliquity Influence Recovery After Total Knee Arthroplasty? A Functional Outcomes Analysis
Kevin Wu, MD, Mount Sinai Hospital

532 - Metformin and Reduced Arthrofibrosis After Total Knee Arthroplasty
Alyan Zafar, BS, University of Miami Miller School of Medicine

Total Knee

987 - Vastus Medialis Muscle Bulk and Outcomes After TKA

Theo Biddle, BS, Sidney Kimmel Medical College

1162 - Restoring the Native CPAK Phenotype does not Improve Clinical Outcomes after Total Knee Arthroplasty: A Meta-Analysis of 5 452 Knees

Carmelo Burgio, MD, Hospital for Special Surgery

723 - Patella Resurfacing vs. Non-Resurfacing in TKA: A Retrospective Cohort Study

Dante Petruzzello, NYU Langone Health

172 -Minimum 10-Year Survivorship of Tibial Cones

Morgan Pierce, BA, Duke Orthopaedics

42 - A Single Surgeon Series investigating the use of Rotating Hinge Knee Implants in Revision Total Knee Arthroplasty for Severe Arthrofibrosis

Jonggu Shin, MD, Hospital for Special Surgery

222 - Maintenance of CPAK in mUKA Doesn't Correlate with Better PROMs

Nitya Venkat, MD, Columbia University

Trauma

237 - Clinical Outcomes Comparing Ipsilateral Femoral Implants with and without Plate Augmentation

Jong Hyun Choi, MD, Cooper University Hospital

896 - Revision Quadriceps Tendon Repair Associated With Poorer Outcomes

Callahan Drake, BA, NYU Langone Orthopedic Hospital

860 - Fixation Success After Percutaneous Pinning of Femoral Neck Fractures

Christopher Guerra, DO, Larkin Orthopaedics

740 - Comparative Efficacy of Self-Reporting Modalities for Post-Operative Pain Assessment

Dana Hazem, BS, Geisel School of Medicine at Dartmouth

871 - Early Pelvic Ring Fixation Reduces Complications: A National Analysis

Paul Mastrokostas, BA, BBA, Maimonides Medical Center

874 - Impact of Intramedullary Nail Design on Intertrochanteric Fracture Collapse

Yousi Oquendo, MD, MSE, Hospital for Special Surgery

118 - Assessing MRI necessity in greater trochanter femur fracture management

Rachna Prasad, BS, MS, Emory University School of Medicine

869 - Ambulation after Distal Femoral Replacement vs. Fixation

Patrick Waldron, DO, Miami Orthopaedic Research Foundation

Tumor

691 - Assessing the Work Relative Value Unit System in Orthopaedic Oncology

James Gaston, BA, Cooper University Healthcare

486 - Predictors of Surgical Conversion following Palliative Radiotherapy for Bone Lesions

Ohm Sharma, BS, Cooper Medical School of Rowan University

Upper Extremity

271 - Never Too Old? Nerve Transfers Succeed After Sixty

V. V. N. Manohar Devarasetty, MD, Atrium Health Musculoskeletal Institute

447 - Patient and Implant-Related Risk Factors Associated with Anterior Shoulder Pain and Dysfunction after Reverse Total Shoulder Arthroplasty with a 135° Inlay Humerus and Lateralized Glenoid

Benjamin Miltenberg, MD, Rothman Institute at Thomas Jefferson University

1096 - Anatomic and Microbiological Analysis of Upper Extremity Nonunions Undergoing Revision Surgery: A Multicenter Retrospective Study

Matthew Pappas, MD, Massachusetts general hospital