EOA E-Poster Presentations

**Basic Science**

Intraoperative Fluorescence Improves Nerve Visualization during Revision Surgery in Mice
*Rebecca Glasser, BA, Johns Hopkins School of Medicine*

Cytotoxicity Profile of Chlorhexidine Gluconate on Human Fibroblasts, Myoblasts, and Osteoblasts
*James X. Liu, MD, NYU Hospital for Joint Diseases*

Evaluation of TRB-N0224, Chemically Modified Curcumin for Treatment of Osteoarthritis
*Ryan A. Nixon, MD, Northwell Health*

**Foot & Ankle**

Supine Achilles Repair Decreases Total Operating Room and Anesthesia Time
*David Beck, MD, Thomas Jefferson University Hospital*

Arthroscopic Intra-Articular Findings during Ankle Fracture Repair, A Retrospective Review
*Peter L. Cohn, MD, Georgetown University Hospital*

Total Ankle Arthroplasty: Analysis of Motion and Functional Outcomes
*Benjamin A. Hendy, MD, Thomas Jefferson University Hospital*

A Comparison of Pre- and Post-Operative Activity Levels Following Ankle Arthrodesis
*Brian Traub, BA, Emory University School of Medicine*

Impact of Insulin Dependence on Diabetic Patients with Ankle Fracture Undergoing Open Reduction Internal Fixation
*Amanda L. Walsh, MD, Mount Sinai Icahn School of Medicine*

**Other**

The Landscape of Female Orthopedic Surgeons: What is the Distribution across the United States?
*Talia Chapman, MD, Rothman Institute at Thomas Jefferson University*

Predicting Pulmonary Embolism in Total Joint Arthroplasty Patients
*Kevin K. Chen, MA, NYU Hospital for Joint Diseases*
*Presented by Afshin A. Anoushiravani, MD*

Publication Misrepresentation among Orthopaedic Residency Applicants
*Samuel D. Cook, BA, Drexel University College of Medicine*
The Affordable Care Act and Orthopedics: Insurance and Physician Access  
*Presented by Nicholas Yohe, MD*

Predictive Value of Preoperative Exclusion Criteria in a Joint Replacement Bundled Payment Model  
*Presented by Nicholas Yohe, MD*

Feasibility of Alignment Correction of Large Varus Deformities during UKA  
*Presented by Nicholas Yohe, MD*

Provider-Initiated Patient Satisfaction Reporting Yields Improved Physician Ratings Relative to Commercial Online Rating Websites  
*Presented by Nicholas Yohe, MD*

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**Pediatrics**

Prolonging Molding Time during Fiberglass Cast Application – An In-Vitro Study  
*Presented by Nicholas Yohe, MD*

Neonatal Osteoarticular Infections: An Orthopedic Nightmare  
*Presented by Nicholas Yohe, MD*

Evaluating the Use of an Electronic Inclinometer in Correcting Rotational Disorders  
*Presented by Nicholas Yohe, MD*

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**Spine**

Occipital Condyle Morphology: A CT-Based Analysis of 500 Condyles  
*Presented by Nicholas Yohe, MD*

Spinal Fusion Trends In Neurofibromatosis: A Nationwide Analysis  
*Presented by Nicholas Yohe, MD*

T1 Tilt/Clavicle Angle: Best Predictors of Postoperative Shoulder Balance?  
*Presented by Nicholas Yohe, MD*

Long Term Patient Reported Clinical Outcomes In Patients With Type-II Odontoid Fractures  
*Presented by Nicholas Yohe, MD*

Spinal Cord Injuries in Geriatric Population: Etiology, Management, and Complications  
*Presented by Nicholas Yohe, MD*
Microfracture Augmentation Techniques For Chondral Defects: A Review Of Literature
Khoa B. Nguyen, BS, Nirschl Orthopaedic Center
*Presented by Ronald Paik, MD

The Impact of Insurance Coverage on Access to Orthopedic Spine Care
Dale N. Segal, MD, Emory University

Sports Medicine

Management of Meniscal Tears in Middle Aged Patients
William P. Bassett, MD, Rutgers, Robert Wood Johnson

Single Sport Specialization In Youth Sports
Patrick S. Buckley, MD, Sidney Kimmel Medical College at Thomas Jefferson University

Impact of Baseline Shoulder Outcome Measures with Patient Comorbidities
Steven DeFroda, MD, ME, Brown University
*Presented by Sheena Amin, BS

Use of the F.A.S.T. (Fundamentals of Arthroscopic Surgery Training) Program to Improve Arthroscopic Skills
E. Barry McDonough, MD, West Virginia University
*Presented by Kevin Shepet, MD

Trends and Risk Factors for One-Year Complication of Latarjet Procedure
Albit R. Paoli, BS, NYU Hospital for Joint Diseases

Risk Factors for Contralateral ACL Reconstruction – A Case-Control Study
Todd Pierce, MD, Seton Hall University School of Health and Medical Sciences

Single-Bundle ACL Reconstruction: Creating Native Footprint with Transtibial Drilling
Kevin D. Plancher, MD, Albert Einstein College of Medicine

Acute and 90-Day Cost Analysis for Treatment of Anterior Shoulder Instability
Samuel Rosas, MD, Wake Forest Baptist Health

Impact of Clavicle Fractures on NFL Athletes' Return and Performance
Darshan Vora, BS, The George Washington University School of Medicine & Health Sciences

Total Hip
Complications Following Total Hip Arthroplasty in the Elderly
Anthony J. Boniello, MD, Drexel University College of Medicine

Primary vs. Conversion Total Hip Arthroplasty: Cost and Perioperative Comparisons
Marcus DiLallo, BA, Duke University
*Presented by Cary S. Politzer, BS

Results of Head/Liner Exchange with the Direct Anterior Approach
Brian P. Gladnick, MD, OrthoVirginia

Birmingham Hip Resurfacing versus Total Hip Replacement: A Matched-Pair Comparison
Victor R. Ortiz-Declet, MD, American Hip Institute

Survivorship of Revision of Metal-on-Metal Total Hip Arthroplasty
Danielle Y. Ponzio, MD, Hospital for Special Surgery

Irrigation And Debridement For Periprosthetic Hip Infection: Does Timing Play A Role?
Yousuf Sayeed, BSc, NYU Hospital for Joint Diseases
*Presented by Afshin A. Anoushiravani, MD

Decreased Incidence of Impingement in Dual Mobility vs. Fixed Bearing Liners: A Retrieval Study
Geoffrey H. Westrich, MD, Hospital for Special Surgery

Capsular Healing after Anterior Total Hip Arthroplasty: An MRI Study
Carlos A. Williams, MD, Lenox Hill Hospital

Total Knee

Combined Surgical APGAR – ASA Score Predicts 90-day Readmission in TJA
Daniel E. Goltz, BS, Duke University School of Medicine

Outcomes Of Direct Anterior Total Hip Arthroplasty (DA-THA) In Elderly Population
Neel Gupta, MD, Hahnemann University Hospital/Drexel University College of Medicine

Range of Motion in Total Knee Arthroplasty after Manipulation under Anesthesia
Erin Honcharuk, MD, Rutgers-Robert Wood Johnson Hospital

Optimal Length of Stay Following Joint Arthroplasty to Reduce Readmission
Patricia A. Kirkland, BS, Medical University of South Carolina
*Presented by Jacob M. Drew, MD

Irrigation and Debridement for Early Periprosthetic Knee Infection: Is it Effective?
Rajkishen Narayanan, MS, NYU School of Medicine
*Presented by Afshin A. Anoushiravani, MD
Accuracy of Femoral Cut Angle Using Standard Valgus Cutting Jig
*Seth O'Donnell, MD, Warren Alpert School of Medicine at Brown University
*Presented by Michael C. Mariorenzi, MD

Diabetes and Total Joint Arthroplasty: Post-Operative Infections and Risk Assessment
*Sean Ryan, MD, Duke University Hospital

Antibiotic Holiday Prior to Reimplantation May Not Be Needed
*Timothy L. Tan, MD, Rothman Institute

Thirty-Day Readmission after Total Knee Arthroplasty at a Community Hospital
*Kalain Workman, DO, PinnacleHealth

Navigated TKA Has Lower Peri-Operative Complication Rates Compared to Conventional TKA
*Jonathan Yin, MD, Boston Medical Center

**Trauma**

Determinants of Length of Stay Following Surgically Treated Femur Fractures
*Matthew Aizpuru, BA, Emory School of Medicine
*Presented by Robert Runner, MD

Relationship Between GCS and Management of Isolated Open Fibula Fractures
*Nisha N. Branch, MD, MPH, Kingsbrook Jewish Medical Center

Distal Femur Fractures Treated by Arthroplasty Compared to Osteosynthesis
*Foster Chen, MD, Montefiore Medical Center
*Presented by Alan Job

Posterior Malleolar Fixation: Does It Matter?
*Derek J. Donegan, MD, University of Pennsylvania
*Presented by Thomas Rose, BS

Fractures Associated with Jet Ski Usage
*Chester John Donnally III, MD, University of Miami Hospital

Patient Understanding and Perceptions of Overlapping Orthopaedic Trauma Surgery
*Cody L. Evans, MD, University of Virginia
*Presented by David B. Weiss, MD

Tranexamic Use in Orthopaedic Trauma Surgery: A Systematic Review and Meta-Analysis
*Elizabeth Gausden, MD, Hospital for Special Surgery
Unique Consideration of Fracture Morphology and Axial Skeleton Injuries in Bilateral Calcaneus Fracture
John S. Hwang, MD, Carolinas Medical Center

TAD as a Predictor of Failure in Cephalomedullary Nails
Paul Norio Morton, MD, St. Luke's University and Health Network
*Presented by Anshul Agarwala, MD

Autogenous Iliac Crest Bone Grafting of Long Bone Nonunions in the Elderly: Is It Feasible?
Abdullah Qatu, BSE, Hospital for Joint Diseases

Sliding Hip Screw Yields a Lower 30-Day Complication Rate than Cephalomedullary Nail Fixation of Intertrochanteric Hip Fractures
Rajeev Pandarinath, MD, The George Washington University

Core Muscle Fatty Atrophy: A Marker for Frailty and Increased Complications in Orthopaedic Trauma Patients
Mara Schenker, MD, Emory University

Meta-Analysis of Treatment and Mobilization Following Extensor Mechanism Rupture
Joseph Serino, BS, Georgetown University School of Medicine

Upper Extremity

Statistical Fragility in Shoulder Research: Can P Values Be Trusted?
Jesse Dashe, MD, Boston Medical Center

Optimal Oblique Radiographs to Identify Fifth Carpometacarpal Dorsal Subluxations: A Cadaveric Study
Julie Johnson, MD, University of Pittsburgh Medical Center

MRI Is Cost Effective to Diagnose Treatment in Tennis Elbow
Yonaton G. Keschnner, MD, Orthopaedic Foundation

Case-To-Case Factors Affecting Operating Room Turnover Time
Andrew Mo, MD, Lenox Hill Hospital

Misdiagnosis and Radial Tunnel Syndrome: What about the Distal Biceps?
Jacob M. Wilson, MD, Emory University