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*

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
Giacomo Cappelleti, MD, Maimonides Medical Center

Predictive Value Of Preoperative Exclusion Criteria In A Joint Replacement Bundled Payment Model
John Grady-Benson, MD, Connecticut Joint Replacement Institute

Feasibility Of Alignment Correction Of Large Varus Deformities During UKA
Laura J. Kleeblad, MD, Hospital for Special Surgery

Provider-Initiated Patient Satisfaction Reporting Yields Improved Physician Ratings Relative To Commercial Online Rating Websites
Benjamin F. Ricciardi, MD, University of Rochester

**Pediatrics**

Pediatric Elbow Arthroscopy: Indications and Safety
Steven Andelman, MD, Mount Sinai Icahn School of Medicine

Prolonging Molding Time During Fiberglass Cast Application – An In-Vitro Study
Mark Ayzenberg, MD, Einstein Healthcare Network

Massive Increase In Pediatric Spinal Fusions Throughout The United States
Joseph L. Laratta, MD, The Spine Hospital at Columbia University Medical Center

Neonatal Osteoarticular Infections: An Orthopedic Nightmare
Barbara Minkowitz, MD, Goryeb Children's Hospital, Atlantic Health Systems

Evaluating The Use Of An Electronic Inclinometer In Correcting Rotational Disorders
Ishaan Swarup, MD, Hospital for Special Surgery

**Spine**

Occipital Condyle Morphology: A CT-Based Analysis Of 500 Condyles
Kenneth Foxx, MD, University of Rochester Medical Center

Comparison Of Narcotic Usage: Open Vs. Minimally Invasive Lumbar Fusion
Michael Hoy, BS, The George Washington Univ School of Med & Health Sciences

T1 Tilt/Clavicle Angle: Best Predictors Of Postoperative Shoulder Balance?
Andrew S. Lee, MD, Northwell Health

Spinal Cord Injuries In Geriatric Population: Etiology, Management, And Complications
Addisu Mesfin, MD, University of Rochester
The Impact Of Insurance Coverage On Access To Orthopedic Spine Care
Dale N. Segal, MD, Emory University

Pseudoarthrosis Rate in Minimally Invasive Transforaminal Lumbar Interbody Fusion(mis-TLIF): 2-yr Outcomes vs Open TLIF
Daniel Thibaudeau, MD, Seton Hall University School of Health and Medical Sciences

Sports Medicine

Management Of Meniscal Tears In Middle Aged Patients
William P. Bassett, MD, Rutgers - New Jersey Medical School

Impact of Baseline Shoulder Outcome Measures with Patient Comorbidities
Steven DeFroda, MD, ME, Brown University

Use Of The F.A.S.T. (Fundamentals Of Arthroscopic Surgery Training) Program To Improve Arthroscopic Skills
E. Barry McDonough, MD, West Virginia University

Exertional Rhabdomyolysis In Collegiate Football Players
Thomas X. Nguyen, MD, Howard University Hospital

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

Increased Risk Of Surgery Following Rotator Cuff Repair With Shoulder Injections
Sophia Traven, MD, Medical University of South Carolina

Impact Of Clavicle Fractures On NFL Athletes' Return And Performance
Darshan Vora, BS, The George Washington Univ Sch of Med & 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

Results Of Head/Liner Exchange With The Direct Anterior Approach
Brian P. Gladnick, MD, OrthoVirginia

Heterotopic Ossification After Primary Total Hip Arthroplasty With Direct Anterior Approach
Andrew Mo, MD, Lenox Hill Hospital

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

Survivorship Of Revision Of Metal-On-Metal Total Hip Arthroplasty
Danielle Ponzio, MD, Hospital for Special Surgery

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

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

Irrigation And Debridement For Early Periprosthetic Knee Infection: Is It Effective?
Rajkishen Narayanan, MS, NYU School of Medicine

Accuracy Of Femoral Cut Angle Using Standard Valgus Cutting Jig
Seth O'Donnell, MD, Warren Alpert School of Medicine at Brown University

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

Primary Ankle Arthrodesis Versus ORIF For Severely Comminuted Pilon Fractures
Colin H. Beckwitt, BS, University of Pittsburgh School of Medicine

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

Posterior Malleolar Fixation: Does it Matter?
Derek J. Donegan, MD, University of Pennsylvania

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

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

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

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 Keschner, MD, Orthopaedic Foundation

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

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