

EOA 2021 E-Poster Presentations

Basic Science

182 - Nanowarming by Inductive Heating of Vitrified Large Articular Cartilage Specimens
Jonathan B. Goodloe, MD, Medical University of South Carolina

616 - Ascorbic Acid Does Not Reverse Radiation-Induced Bone Loss in Rats
T. David Luo, MD, Wake Forest Baptist Medical Center

56 - Bone Health in Pediatric Fracture Patients: A DEXA Study
Barbara Minkowitz, MD, Morristown Medical Center, Atlantic Health System

Foot & Ankle

894 - WBCT Can Effectively Diagnose Syndesmotic Instability in Patients with Weber B Lateral Malleolar Fractures
Rohan Bhimani, MD, MBA, Massachusetts General Hospital

286 - Influence of First Metatarsophalangeal Degenerative Changes on Outcomes Following Hallux Valgus Correction
Daniel O. Corr, BS, Rothman Orthopaedic Institute

30 - Telemedicine Foot and Ankle Visits in the COVID-19 Era
Rahul K. Goel, MD, Emory University

258 - Screws Only Primary Subtalar Arthrodesis for Calcaneus Fractures
David Macknet, MD, Atrium Health / Orthocarlina

364 - Surgical Treatment of Talar Osteochondral Lesion and Return to Sports: The Emory Experience
Andrew M. Schwartz, MD, Emory University
**Presented by Sameh A. Labib, MD*

502 - An Anatomical Imaging Study of the Lateral Dorsal Cutaneous Nerve
Vrajesh J. Shah, BS, University of California, San Diego

Hand & Wrist

960 - Fixation of Volar Ulnar Corner in Distal Radius Fractures: A Comparative Study
Jason Chan, MD, Rutgers New Jersey Medical School

396 - The Role of Proximal Locking Screws in Distal Radius Fixation
Leland Gossett, MD, University of Rochester Medical Center

941 - Nitinol Compression Staples in the Treatment of Scaphoid Waist Nonunion
Adam M. Kurland, BA, Rutgers NJMS

315 - Radiographic Edema is a Predictor of De Quervain's Tendonitis
Joseph E. Massaglia, DO, Rowan School of Osteopathic Medicine

523 - Relationship of Pain and Strength in Thumb Basal Joint Arthritis: A Prospective
Observational Study
Kelly Mead, MD, Dartmouth Hitchcock Medical Center

391 - Declining Reimbursement or Runaway Charges? Medicare Payment for Distal Radius
Fixation
Suresh K. Nayar, MD, Johns Hopkins University

193 - Surgical Treatment of Distal Radius Fractures in Patients Over 80 Years of Age:
Functional and Radiographic Outcomes
Lili Schindelar, MD, MPH, Rothman Institute at Thomas Jefferson University

455- Presenting PROMIS Scores Predict Treatment Selection for De Quervain's Tenosynovitis
Gilbert S. Smolyak, University of Rochester

453 - Patient Comprehension of Operative Instructions with a Handout vs. Video
Amr M. Tawfik, BA, Rothman Orthopaedic Institute

831 - A Prospective Evaluation of the Prevalence of Persistent Median Artery in Patients with
Carpal Tunnel Syndrome
Clay Townsend, BS, Rothman Institute

23 - Comparing Threaded Pin and Volar Plate Fixation of Distal Radius Fractures
Justin Vaida, MD, West Virginia University

471 - Does Undergoing Outpatient Hand Surgery Lead to Prolonged Opioid Use?
William L. Wang, MD, Thomas Jefferson University

Other

302 - Recreational Marijuana Use and Two-Year Outcomes after Orthopaedic Surgery
Fernando Albelo, BS, University of Maryland
**Presented by Matheus Schneider, BS*

569 - The Use of Negative Pressure Wound Therapy Among US Veterans; A Retrospective
Analysis of 71,872 Patients
Mohamed E. Awad, MD, MBA, Southwest Michigan Innovation Center

703 - High Patient Satisfaction in the Midst of the COVID-19 Pandemic
Miranda Czymek, BS, Rothman Orthopaedic Institute
**Presented by Nicholas J. Minissale, DO, MS*

902 - Predictors of High-Dose Initial Opioid Prescriptions in Primary Osteoarthritis
Charles A. Johnson, MD, Medical University of South Carolina

821 - Perioperative Outcomes Comparing General and Neuraxial Anesthesia in Orthopedic Surgery
Ellen E Lutnick, BS, University at Buffalo Jacobs School of Medicine and Biomedical Sciences

130 - The Effect of a Natural Oral Nutritional Supplement on the Level of Intra-Articular Inflammatory Mediators in Patients with Osteoarthritis of the Knee
Noam Shohat, MD, Rothman Orthopaedic Institute
**Presented by Javad Parvizi, MD*

Pediatrics

31 - Incidence of Urinary Retention following Posterior Spinal Fusion for Adolescent and Pediatric Scoliosis at a Single Academic Center: Is There a Role for Prophylactic Tamsulosin?
Georges Abdelahad, BS, Wake Forest School of Medicine

339 - Long vs. Short Leg Casts for Pediatric Transitional Ankle Fractures
Jane Benson, MD, Nemours
**Presented by Kevin M. Neal, MD*

737 - Immobilization in Toddler's Fractures – Is Less More?
Carsen R. Cash, BS, Vanderbilt University School of Medicine

738 - Premature Physeal Closure Indicators in Distal Tibia Salter-Harris II Fractures
Carsen R. Cash, BS, Vanderbilt University School of Medicine

335 - Most Blood Loss Occurs After Surgery for Adolescent Idiopathic Scoliosis
Joshua M. Kolz, MD, Nemours

245 - Body Mass Index as an Independent Predictor Preventing Early Return to School following Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis
Katheen A. Marsh, BS, Wake Forest School of Medicine

201 - Youth Wrestling Injuries Sustained During Saturday Competitions Associated with Delayed Presentations to Emergency Departments
Kevin Pirruccio, BA, Perelman School of Medicine at the University of Pennsylvania

659 - Supracondylar Humerus Fractures in Children
Daniela Rocha, MD, Geisinger Medical Center

388 - Very Low Dose Image Guidance Protocols for Scoliosis Surgery
Mohamed Salar, MD, University of Florida Health Jacksonville
**Presented by Kevin M. Neal, MD*

848 - Do We Need MRI Scans before Surgery for Idiopathic Scoliosis?

Cody Sanderson, MD, Nemours
**Presented by Kevin M. Neal, MD*

37 - Complications Associated with Implant Removal after Pediatric Femoral Shaft Fractures
Justin Vaida, MD, West Virginia University

249 - SLIC Utility in Children with Traumatic Subaxial Cervical Spine Fractures
Kelly Vittetoe, BS, Vanderbilt University School of Medicine
**Presented by Katherine D. Sborov*

Practice Management

913 - Mental Health Comorbidities: Effect on Healthcare & Opioid Utilization after ALCR
Rebecca M. Haley, BA, Emory University School of Medicine

312 - Public Perceptions and Expectations of Opioid Use following Orthopaedic Surgery
James A. McIntyre, MD, Tufts Medical Center

107 - Patient Satisfaction with Orthopaedic Telemedicine Visits During the COVID-19 Pandemic
Ali Omari, MD, Rothman Orthopaedic Institute

Shoulder & Elbow

214 - Mid-Term Survivorship of Arthroscopic Elbow Debridement: Post-Traumatic vs. Degenerative Osteoarthritis
Dennis DeBernardis, DO, Rowan School of Osteopathic Medicine
**Presented by Adam J. Santoro, DO*

279 - Predictors of PROMIS Physical Function Two Years after Shoulder Surgery
Gregory Perraut, BS, University of Maryland
**Presented by Matheus Schneider, BS*

287 - Comparison of TSA RVU Rates for Osteoarthritis and Humerus Fractures
Theodore Quan, BS, George Washington University

650 - Intraoperative Fractures in Shoulder Arthroplasty: Risk Factors and Outcomes
Colleen M. Wixted, Duke University School of Medicine

532 - Opioid Use After Shoulder Instability Surgery: A Retrospective Review
Eric R. Wagner, MD, Upper Extremity Center, Emory University
**Presented by Alexander M. Dawes, BS*

Spine

815 - Rates of Achieving Meaningful Outcomes and Clinical Success One-Year after

Undergoing Far Lateral Tubular Decompression
Ameen Barghi, MD, MPP, Wake Forest

269 - PEEK vs. Titanium Cages in Transforaminal Lumbar Interbody Fusion: A Two-Year Follow-Up Study with Clinical and Radiological Outcomes
Daniel Coban, MD, St. Joseph's University Medical Center

114 - Outcomes after Arthroscopic Assisted Lower Trapezius Transfer: A Retrospective Study
Aman Chopra, MedStar Union Memorial Hospital

525 - The Activated Patient: Impact on Postoperative Pain and Physical Function
Rahul Sachdev, BS, Johns Hopkins University School of Medicine

Sports Medicine

760 - Addition of IPACK Nerve Block Decreases Opioid Requirements following ACL Reconstruction
Brian D. Batko, MD, Rutgers New Jersey Medical School

544 - Outcomes after OCA and ACI for Articular Cartilage Defects
Joseph M. Brutico, BS, Rothman Institute

587 - Groin-Related Complications following Hip Arthroscopy with vs. without a Perineal Post
Iciar M. Davila Castrodad, MD, St. Joseph's University Medical Center
**Presented by Matthew J. Kraeutler, MD*

160 - 81-mg vs. 325-mg Aspirin VTE Chemoprophylaxis for Knee Arthroscopy
Aman Chopra, MedStar Union Memorial Hospital

965 - Risk Factors Associated with Complications after Multiligament Knee Surgery
Jayson Lian, MD, Montefiore Medical Center

943 - Pitching Kinematic Correlates for Elbow Injury in Professional Pitchers
Joseph E. Manzi, Weill Cornell Medicine

171 - Fragility Analysis of the Patellofemoral Instability Literature: A Systematic Review
Robert L. Parisien, MD, University of Pennsylvania

682 - Evaluation of Rotator Cuff Repair with vs. without Biceps Treatment
Ryan W. Paul, BS, Rothman Orthopaedic Institute

749 - Failure Rates and Functional Outcomes of Allograft and Autograft Bone-Patellar Tendon-Bone (BPTB) Anterior Cruciate Ligament Reconstruction in Patients <30 Years Old – Allograft Source and Decelerated Rehab are Essential
Kevin D. Plancher, MD, MPH, MS, Albert Einstein College of Medicine

Total Hip

963 - Outcomes of Total Hip Arthroplasty in Academic vs. Community Hospitals
Shayan Hosseinzadeh, MD, Newton-Wellesley Hospital

649 - Weight Changes around Total Hip Arthroplasty in Obese Patients
Mark Wu, MD, Duke University Hospital

12 - Custom Triflange Cups: 20-Year Experience
Robert A. Sershon, MD, Anderson Orthopaedic Research Institute

210 - Factors Predicting "Dry Taps" in Patients with Total Hip Arthroplasty
Justin M. Ong, NYU Langone Health
**Presented by Katherine A. Lygrisse, MD*

344 - Bariatric Surgery and Complications following THA: A Matched Cohort Analysis
Alex Gu, BS, George Washington School of Medicine and Health Sciences

707 - Depression following THA is Associated with Decreased Early Ambulation Distance
Jamie Heimroth, MD, Long Island Jewish Medical Center
**Presented by Nipun Sodhi, MD*

Total Joint

777 - Increased Opioid Consumption for Cancelled Arthroplasty Patients during COVID-19 Pandemic
Emanuele Chisari, MD, Rothman Orthopaedic Institute

440 - Do New Hospital Price Transparency Regulations Reflect Value in Arthroplasty?
Taylor D'Amore, MD, Rothman Orthopaedic Institute
**Presented by Graham S. Goh, MD*

342 - Anemia is Correlated with 30-Day Complications following Revision Arthroplasty
Safa C. Fassihi, MD, George Washington University
**Presented by Alex Gu, BS*

728 - Can Next-Generation Sequencing Predict Treatment Failure for Periprosthetic Joint Infection?
Karan Goswami, MD, Rothman Orthopaedic Institute

655 - Lower Dosing of Bupivacaine Spinal Anesthesia is not Associated with Improved Perioperative Outcomes following Total Joint Arthroplasty
Carl L. Herndon, MD, Columbia University
**Presented by Matthew M. Levitsky, MD*

867 - Do Engagement Platforms in Total Joint Arthroplasty Improve Patient-Reported

Outcomes?

Andy Holte, MD, Dartmouth Hitchcock Medical Center

555 - Machine Learning Model Aid for Outpatient Arthroplasty Patient Selection

Cesar D. Lopez, BS, Columbia Orthopedics

744 - Risk Factors Associated with Conversion of Lateral UKA to TKA

John H. Matthews, MD, Wake Forest Baptist Health

873 - Staphylococcus lugdenensis in PJI: Operative Management and Treatment Success

Francis J. Sirch, BS, Rothman Orthopedic Institute

**Presented by Emanuele Chisari, MD*

754 - Total Joint Arthroplasty Using an Alternative to Opioids (ALTO) Multimodal Pain Protocol

Thomas A. Novack, MD, St. Joseph's University Medical Center

**Presented by Sydney M. Fasulo, MD*

621 - The Role of Leukocyte Esterase Test in Culture Negative Periprosthetic Joint Infections

Ali Oliashirazi, MD, Cooper University Hospital

**Presented by Alisina Shahi, MD, PhD*

632 - Safety of HTX-011 as the Foundation of a Postoperative Multimodal Analgesia Regimen in Patients \geq 65 Years Old

Alan Rechter, MD, Heron Therapeutics

623 - Serum ESR and CRP are Not Reliable Markers for Screening/Diagnosing PJI

Camilo Restrepo, MD, Cooper University Hospital

**Presented by Alisina Shahi, MD, PhD*

478 - Radiographic Films are Frequently Repeated at the Initial Orthopaedic Visit

Michael F. Yayac, MD, Rothman Institute

**Presented by Arjun Saxena, MD, MBA*

491 - Non-Inferiority of Increased Betadine Concentration for Irrigation following Primary TJA

Yoav S. Zvi, MD, Montefiore Medical Center

Total Knee

627 - Incorporating Intraoperative Acupuncture to Reduce Opioid Usage after TKA

Michael P. Ast, MD, Hospital for Special Surgery

180 - Morbid Obesity Does Not Increase Risk of Re-Operation in TKA

Benjamin J. Levens, MD, BS, Montefiore Medical Center

918 - Tourniquet Use is Associated with Improved Outcomes in Aseptic Revision TKA

Joshua Rozell, NYU Langone Orthopedic Hospital

**Presented by Katherine A. Lygrisse, MD*

651 - Number of Stairs at Home Influences Discharge Disposition after Total Knee Arthroplasty

Nana Sarpong, MD, Columbia University

**Presented by Matthew M. Levitsky, MD*

745 - Metaphyseal Cones Outperform Sleeves at Intermediate-Term Follow-Up in Revision TKA

Ilan Small, Rothman Orthopaedic Institute

663 - Does Resilience Correlate with Functional Outcomes following Unicompartamental Knee Arthroplasty?

Julian A. Zangrilli, DO, Rowan School of Medicine

Trauma

189 - Anterior Femoral Cortex Impingement and Perforation in Cephalomedullary Nailing

Ian D. Engler, MD, Tufts Medical Center

**Presented by J. Alexander McIntyre, MD*

673 - Distal Humerus Traction Radiographs: Inter- and Intra-Observer Reliability Compared with Computed Tomography

Joseph D. Galloway, MD, Rutgers New Jersey Medical School

668 - Mid-Term Post Traumatic Stress Disorder after Orthopaedic Trauma in the Civilian Population: Prevalence and Risk Factors

Micaela A. LaRose, BA, Duke University School of Medicine

**Presented by Ariana Paniagua, BA*

833 - Orthopaedic Surgeries in the National COVID Cohort Collaborative (N3C)

Eli B. Levitt, MS, University of Alabama at Birmingham

**Presented by Alex Mihos, BS*

112 - Outcomes of Patients with Bleeding Disorders Following Hip Fracture Surgery

Ghulam Saadat, MD, Cook County Health

Tumor

782 - Reliability and Accuracy in Radiographic Measurements of Musculoskeletal Tumors

Alec Kellish, BS, Cooper Medical School of Rowan University

Upper Extremity

884 - Trends in Industry Payments to Orthopaedic Hand Surgeons

Tej Joshi, MD, Rutgers Health - New Jersey Medical School