OREF CLINICAL RESEARCH AWARD
PI: Marc J. Philippon, MD, FAAOS
Steadman Philippon Research Institute, Colorado
*Hip Chondral- Labral Dysfunction: The Road from Excision to Repair, Replacement, and Regeneration*

OREF LIFETIME SERVICE AWARD
James R. Urbaniak, MD
Duke University
The Aircast Foundation
MTF Biologics

ORS/OREF DISTINGUISHED INVESTIGATOR AWARD
Peter C. Amadio, MD
Mayo Clinic, Minnesota

OREF MICHAEL P. KELLY SR. LEADERSHIP FELLOWSHIP AWARDS
Lorraine Boakye
University of Pennsylvania, Perelman School of Medicine
Lori Chambers, MD
Larkin Community Hospital
Dainn Woo, MD
University of Pennsylvania

OREF CLINICAL RESEARCH AWARD
PI: Collin May, MD
Boston Children’s Hospital
*CT Rigidity Analysis for the Assessment of Regenerate Bone Strength*
Partially funded by Elizabeth Rose Vates and the Dr. Dane and Mrs. Mary Louise Miller Endowment Funds

OREF/GOLDBERG ARTHRITIS RESEARCH GRANT
PI: Nathanael Heckmann, MD
Co-PI: Ian Jones, MD
University of Southern California
*Efficacy of Dextromethorphan for Pain Management in Total Knee Arthroplasty*
Funding made possible by the Dr. Victor and Mrs. Harriet Goldberg Endowment Fund

OREF/ASES/ROCKWOOD CLINICAL SHOULDER RESEARCH GRANT
PI: Matthew DiPaola, MD
Co-PI: John Crane, MD, PhD
Co-PI: Alan Friedman, PhD
The Research Foundation for The SUNY on behalf of University of Buffalo
*Optimizing Antibiotic-Cement Efficacy in Peri-Prosthetic Shoulder Infection*
Funding made possible by the Dr. and Mrs. Charles Rockwood Family Endowment Fund

RESEARCH GRANTS
CAREER DEVELOPMENT GRANT
PI: Collin May, MD
Boston Children’s Hospital
*CT Rigidity Analysis for the Assessment of Regenerate Bone Strength*
Partially funded by Elizabeth Rose Vates and the Dr. Dane and Mrs. Mary Louise Miller Endowment Funds

PROSPECTIVE CLINICAL RESEARCH GRANT
PI: Jonathan Elliott, PhD
Dartmouth-Hitchcock Clinic
*Fluorescence-based Identification of Necrotizing Soft-Tissue Infection*

OREF/ASES/ROCKWOOD CLINICAL SHOULDER RESEARCH GRANT
PI: Matthew DiPaola, MD
Co-PI: John Crane, MD, PhD
Co-PI: Alan Friedman, PhD
The Research Foundation for The SUNY on behalf of University of Buffalo
*Optimizing Antibiotic-Cement Efficacy in Peri-Prosthetic Shoulder Infection*
Funding made possible by the Dr. and Mrs. Charles Rockwood Family Endowment Fund
OREF/MUSCULOSKELETAL TRANSPLANT FOUNDATION (MTF) BIOLOGICS RESEARCH GRANT
PI: Steven DeFroda, MD
The Curators of the University of Missouri
Characterization of Graft Types for Acetabular Labrum Reconstruction
Funding made possible by the Musculoskeletal Transplant Foundation Biologicals

OREF/AANA MULTIMODAL MUSCULOSKELETAL PAIN PERIOPERATIVE MANAGEMENT GRANT
PI: Catherine Olinger, MD
Co-PI: Christine McNair, BSN, MSN
The University of Iowa
Regional Nerve Blocks to Improve Recovery in Elderly Spinal Fusion Patients
Funding made possible by the American Association of Nurse Anesthetists (AANA) Foundation

OREF/AAOS INJECTABLE ORTHOBIOLOGICS OF KNEE OSTEOARTHRITIS RESEARCH GRANT
PI: Thomas Kremen, MD
The Regents of the University of California, Los Angeles
Functional Impact of Intra-Articular ALK1-Fc Therapy in Osteoarthritis
Funding made possible by the American Academy of Orthopaedic Surgeons

OREF OSTEOARTHRITIS RESEARCH GRANTS
PI: Gregory Galloday, MD
Co-PI: Daniel Riddle, PhD
Virginia Commonwealth University
Head-to-Head Comparison of Appropriateness Criteria for Knee Arthroplasty
Funding made possible by the American Arthritis Society

PI: Cecilia Pascual-Garrido, MD, PhD
Washington University, School of Medicine
Pro-inflammatory Macrophage Phenotype in Synovium During Hip OA Progression
Funding made possible by the American Arthritis Society

OREF/MEDICAL TECHNOLOGY ENTERPRISE CONSORTIUM (MTEC) MUSCULOSKELETAL RESIDENT ACUTE INJURY RESEARCH GRANT
PI: Jim C. Hsu, MD
Co-PI: Steven Tommasini, PhD
Yale University School of Medicine
Mid-Substance PCL Tear: A Novel Arthroscopic Direct Repair Technique

OREF/MEDICAL TECHNOLOGY ENTERPRISE CONSORTIUM (MTEC) GRANTS
PI: Daniel Clifton, MD
The Henry Jackson Foundation for the Advancement of Military Medicine, Inc.

PI: Shawn Gee, MD
US Military Academy, West Point (Site 2)

PI: Larry Kim, MD
Articulate Labs, Dallas (Site 3)
Dynamic Gait-Synchronous Neuromuscular Electrical Stimulation Following Anterior Cruciate Ligament Reconstruction
Funded in part by The Aircast Foundation

PI: Don Goss, MD
The Geneva Foundation

PI: Alex Fuentes, MD
EMOVI, Quebec, Canada (Site 2)

PI: Don Rhon, MD
Desmond Doss Health Clinic, HI (Site 3)

PI: Don Goss, MD
Womack Army Medical Center (Site 4)
Objective Dynamic and 3D Knee Assessment Medical Device to Improve Recovery and Accelerate Return to Readiness of Members with Knee Pain
Funded in part by The Aircast Foundation
OREF/JRGOS DIVERSITY, EQUITY, INCLUSION AND DISPARITIES IN ORTHOPAEDIC HEALTH CARE RESEARCH GRANT
PI: Addisu Mesfin, MD
MedStar Washington Hospital Center
*Treating Cauda Equina Syndrome from A Health Care Disparities Perspective*
Funding made possible by The Zimmer Biomet Foundation

OREF MENTORED CLINICIAN SCIENTIST GRANTS
PI: David M. Brogan, MD
Washington University in St. Louis
*Identification & Imaging of Skeletal Muscle Response to Graded Nerve Crush*
Funding made possible by the Ira A. Roschelle Family Foundation

PI: Cecilia Pascual-Garrido, MD, PhD
Washington University School of Medicine in St. Louis
*Mediators of the OA Cascade in the Pre-Arthritic Hip*
Funding made possible by the Ira A. Roschelle Family Foundation

PI: Carmen Quatman, MD, PhD
The Ohio State University
*Transformative Solutions for Reducing Frequent 911 Fall Calls*
Funding made possible by the Dr. Zachary B. and Mrs. Kathleen Friedenberg Endowment Fund

NEW INVESTIGATOR RESEARCH GRANT
PI: Natalie Leong, MD
Co-PI: Jie Jiang, PhD
University of Maryland, Baltimore
*The Role of CCN2 in Tendon Healing*
Funding made possible by The Aircast Foundation in honor of Richard Kyle, MD

RESIDENT CLINICIAN SCIENTIST TRAINING GRANTS
PI: Bijan Dehghani, MD
University of Pennsylvania
*Validating the Use of Next-Generation Sequencing in Open Fracture Care*
Funding made possible by The Aircast Foundation in honor of Richard Kyle, MD

PI: David Liu, MD
Co-PI: Brian Snyder, MD, PhD
Boston Children’s Hospital
*Effect of Vitamin D in Prevention and Treatment of Pediatric Fractures*
Funding made possible by The Aircast Foundation in honor of Richard Kyle, MD

PI: Andrew Luzzi, MD
Columbia University Medical Center
*Enhanced Enthesis Regeneration via Gli1+ Enthesis Stem Cell Treatment*
Funding made possible by the John T. Hocker Charitable Foundation in Memory of John T. Hocker, MD

RESIDENT RESEARCH PROJECT GRANTS
PI: Beth Ashinsky, MD
Co-PI: Stavros Thomopoulos, PhD
Co-PI: Christopher Ahmad, MD
Columbia University
*Moving Towards Primary ACL Repair: The Role of the ACL Sheath*
Funding made in Honor of Dr. Richard Kyle by The Aircast Foundation

PI: Patawut Bovonratwet, MD
Co-PI: Sheeraz Qureshi, MD
Co-PI: Douglas Wetmore, MD
The Hospital for Special Surgery
*ESP Block in Patients Undergoing Lumbar Spinal Fusion Surgery*
Funding made possible by the Ira A. Roschelle Family Foundation

PI: Kallie Chen, MD
Co-PI: Raymond Liu, MD
University Hospitals Cleveland Medical Center
*Development of an AI System for Interpreting Skeletal Maturity Knee X-Rays*
Funding made possible by Brown University in Memory of Dr. Michael Ehrlich

PI: Elizabeth Cho, MD
Loyola University of Chicago
*Methylene Blue as a Disclosing Agent for Fracture-Related Infection*
Funding made possible by Thomas P. Sculco, MD
PI: Elianna Fred, MD  
Co-PI: Erin Hsu, PhD  
Co-PI: Romie Gibly, MD  
Co-PI: Wellington Hsu, MD  
Northwestern University  
Preclinical Investigation of the Impact of E-Cigarettes on Spinal Fusion  
Funding made possible by the Ira A. Roschelle Family Foundation

PI: Katherine Gerull, MD  
Co-PI: Anna Miller, MD  
Washington University in St.Louis  
Exploring Orthopedic Workplace Climate for Women Surgeons in the US  
In Honor of Jack C. Hughston, MD and James R. Andrews, MD  
Funding made possible by Michael J. Axe, MD and Jeremie M. Axe, MD

PI: Cierra Hong, MD  
The Board of Trustees of the Leland Stanford Junior University  
Cell Free Tumor DNA for Relapse Prediction in soft Tissue Sarcomas  
Funding made possible by The Western Orthopaedic Foundation

PI: Samuel Lorentz, MD  
Duke University School of Medicine  
Effect of Saline Lavage on Synovial Fluid Composition after Ankle Fracture  
Funding made possible by Thomas P. Sculco, MD

PI: Spencer Richardson, MD  
Co-PI: Edward Greenfield, MD  
Indiana University  
Preclinical Model of Chemotherapeutic Response of Osteosarcoma  
Funding made possible by the Ira A. Roschelle Family Foundation

PI: Devon Scott, MD  
University of Pittsburgh  
Evaluation of Glenoid Bone Loss Measurements using a 3D Bone Model  
Funding made possible by Dr. Adam and Julie Harris in Memory of Eugene Harris, MD

PI: Camille Sullivan, MD  
Co-PI: Rosanna Wustrack, MD  
The Regents of the University of California, San Francisco  
Elucidating Immunologic Drivers of Chondrosarcoma Metastasis  
Funding made possible by The Western Orthopaedic Foundation

PI: Joseph Tanenbaum, MD  
Co-PI: Linda Suleiman, MD  
Northwestern University  
Social Vulnerability and Wait Times in Total Joint Arthroplasty

OREF/SHIMOUMURA INTERNATIONAL SOCIETY OF ORTHOPAEDIC SURGERY & TRAUMATOLOGY TRAVEL AWARDS

Jishizhan Chen, MD, PhD  
University College London  
Liquid Crystalline Structures Orchestrate Hierarchical Bone-Like Mineralisation

Maria Melanie Valbuena, MD  
Philippine Orthopedic Center  
A Comparison of Postoperative Outcomes Between Internal Brace Augmented Hamstring Tendon Autograft ACL Reconstruction and Non-augmented Hamstring Tendon Autograft

REGIONAL NEW INVESTIGATOR AWARDS

EASTERN ORTHOPAEDIC ASSOCIATION
OREF RESIDENT TRAVEL GRANT AWARDS
Stuart Changoor, MD  
St. Joseph’s University Medical Center  
ACDR vs. MI-PCF in the Treatment of Unilateral Cervical Radiculopathy

Jared J. Reid, MD  
Medical University of South Carolina  
Opportunistic CT: A Novel Opportunity for Osteoporosis Screening

Michael Schallmo, MD  
Atrium Health Carolinas Medical Center  
Opioid-Free Postoperative Pain Management in Anterior Cervical Spine Surgery

SOUTHERN ORTHOPAEDIC ASSOCIATION
OREF YOUNG INVESTIGATOR AWARDS
Mary-Katherine Lynch, MD  
Medical University of South Carolina  
Nanowarming by Inductive Heating of Vitrified Large Articular Cartilage Specimens
Andrew L. Schaver, MD
Marshall University Orthopedic Surgery
Fertilized Anterior Cruciate Ligament Reconstruction Leads to Superior Early Functional and Patient Reported Outcomes: A Prospective, Randomized Controlled Trial

Sean Sequeira, BS
Union Memorial Hospital
Radial Lateral Meniscus Tears Affect Contact Forces when the Meniscofemoral Ligament is Involved: A Cadaveric Study

WESTERN ORTHOPAEDIC ASSOCIATION
OREF YOUNG INVESTIGATOR AWARDS
Nathaneal D. Heckman, MD
Keck Medicine of University of Southern California
Tranexamic Acid is Associated with Improved Outcomes Even in High-Risk Total Joint Arthroplasty Patients

Harin B. Parikh, MD
Cedars-Sinai Medical Center
Outcomes of Biceps Tenodesis with ORIF for Proximal Humeral Fractures

Dean Wang, MD
University of California, Irvine
Detrimental Effects of Chlorhexidine Irrigation on Articular Cartilage Viability, Matrix, and Mechanics

OREF/CURRENT CONCEPTS IN JOINT REPLACEMENT CLINICAL PRACTICE POSTER AWARDS
Gautier J. Beckers, MD
Excellent Results of Large-Diameter Ceramic-on-Ceramic Bearing in Total Hip Arthroplasty at Minimum Ten Years Follow-Up

David G. Deckey, MD
C. difficile Infection Prior to Total Hip Arthroplasty Independently Increases the Risk of PJI

Scott M. LaValva, MD
Substantial Weight Loss May Not Help Improve Early Outcomes of Total Knee Arthroplasty in the Morbidly Obese

Katherine K. Li, MD
Outpatient Arthroplasty Can be Safe in Patients with BMI≥40

Anna K. Michalowski, MD
Medical and Recreational Cannabis State Laws’ Impact on Trends in Postoperative Opioid Prescriptions in TJA patients

David Rodriguez, MD
Synovial Fluid Absolute Neutrophil Count a Promising Marker for Diagnosing Periprosthetic Joint Infection

2023 RESIDENT RESEARCH SYMPOSIA WINNERS
NATIONAL
2023 Richard Kyle, MD
OREF National Resident Champion
Brendan Shi, MD
University of California, Los Angeles
Bisphosphonate Chaperones Effectively Target the Enthesis Without Impairing Soft Tissue-to-Bone Repair Integrity

Top Scoring Residents
Christian Blough, MD
Cedars-Sinai
Hormonal Contraceptives Protect Against Ligament Injuries in Female Athletes

Edwin Chaharbakhshi, MD
West Virginia University
Does Cement Mixing Technique Affect Surgical Exposures to Contaminants and Operating Room Exposures to Volatile Organic Compounds?

Bijan Dehghani, MD
University of Pennsylvania
Defining In Vitro and In Situ Thresholds for Tension Activated Repair Patches

Mitchell Ng, MD
Maimonides Medical Center
Liposomal Bupivacaine Does Not Decrease Post-Operative Pain in Patients with Intracapsular Femoral Neck Fracture Treated with Hemiarthroplasty: A Double-Blinded Randomized, Controlled Trial

Presenters’ Choice
Katherine Gerull, MD
Washington University in St. Louis
Attrition Amongst Residents Entering US Orthopedic Surgery Residency Programs: Analysis of National GME Census Data
**MIDWEST**

**First Place**
Ryan Furdock, MD  
Case Western Reserve University/University Hospitals Cleveland Medical Center  
Culture Expansion Affects Stem Cell Secretome

**Second Place**
Katherine Gerull, MD  
Washington University in St. Louis  
Attrition Among Residents Entering US Orthopedic Surgery Residency Programs: Analysis of National GME Census Data

Alex Kane Miller, MD  
Beaumont Hospital Royal Oak  
Outpatient Spine Surgery in the Medicare Population: Trends in Hospital Outpatient and Ambulatory Surgical Center Utilization, 2010-2021

**Third Place—4-Way Tie**
Jonathan Ellis, MD  
University of Cincinnati  
Intra-Articular Air and Hip Joint Radiodensity Correlate with Posterior Wall Acetabulum Fracture Instability

William Harkin, MD  
Rush University Medical Center  
Clinical Outcomes and Survivorship of Lateral Unicompartmental Knee Arthroplasty: A Large Single Surgeon Cohort

Christopher Johnson, MD  
University of Chicago  
Civilian Lumbosacral Ballistic Fractures and Their Associated Injuries

Cody Lee, MD  
University of Chicago  
Long Head of the Biceps Autograft Performs Biomechanically Similar to Human Dermal Allograft for Superior Capsule Reconstruction After Rotator Cuff Tear

**Presenters’ Choice**
Margaret Sinkler, MD  
University Hospitals, Case Western Reserve  
Subperiosteal Elevation of the Ulnar Nerve is a Safe and Effective Way to Minimize Post-Operative Ulnar Neuritis in Distal Humerus Fractures

**SOUTHEAST**

**First Place**
Nainisha Chintalapudi, MD  
Atrium Health/Carolinas Medical Center  
Fracture Related Infections after Low-velocity Ballistic Tibia Fractures: What do Cultures Show?

**Second Place**
Edwin Chatarbakhshi, MD  
West Virginia University  
Does Cement Mixing Technique Affect Surgical Exposures to Contaminants and Operating Room Exposures to Volatile Organic Compounds?

Rahul Goel, MD  
Emory University School of Medicine  
Non-invasive Active Acoustics as Biomarkers of Early Periprosthetic Joint Effusions, A Cadaveric Study

**Third Place**
Janice Bonsu, MD  
Emory University School of Medicine  
90-Day Post-Operative Complications Among Revision TKA Patients Diagnosed with COVID-19 Postoperatively

Eoghan T. Hurley, MD  
Duke University  
Anterior Shoulder Instability – An International Delphi Consensus Statement

Bridger Rodoni, MD  
Emory University School of Medicine  
Trends in Costs and Professional Reimbursements for Revision Total Knee and Hip Arthroplasty

**Presenters’ Choice**
Benjamin Averkamp, MD  
Atrium Health/Carolinas Medical Center  
Opioid-Free Surgery vs Traditional Perioperative Analgesia: A Randomized Control Trial of Novel Clinical Care Pathway in Elective Orthopedic Surgery
CENTRAL WEST

First Place
Samuel Roswell Huntley, MD
University of Miami
Epidemiology and Video Analysis of Hamstring Injuries in the National Basketball Association

Second Place
David S. Constantinescu, MD
University of Miami
Intravenous Meloxicam versus Intravenous Ketorolac for Pain Control Following Total Joint Arthroplasty: A Randomized Controlled Trial

Sarah N. Powell, MD
University of Nebraska Medical Center
Female Medical Students’ Interest in Orthopedics Decreased After Sawbones Lab

Third Place
Alexandra Cancio-Bello, MD
Mayo Clinic Arizona
Recent Workforce Trends in Orthopedic Surgery: Overall Attrition is Increasing, Yet Female Orthopedic Surgeons are Leaving More Frequently and Much Earlier in Their Careers

Galvin Loughran, MD
Stanford University
Effect of Ulnar Collateral Ligament Reconstruction on Off-Speed Pitch Performance in MLB Pitchers

Ellen L. Tsay, MD
University of California San Francisco
Early Clinical Outcomes of “Lemon-Dropped” Complex Primary Total Joint Arthroplasty Patients to a Tertiary Care Center

Presenters’ Choice
Bryan Ang, MD
Lenox Hill Hospital, Northwell Health
Can Discharge Radiographics Predict Junctional Complications? A Decision Tree Analysis

STEADMAN PHILIPPON RESEARCH INSTITUTE FELLOWS

First Place
Maximilian Hinz, MD
The Steadman Philippon Research Institute (SPRI)
Malrotated Lateral Knee Radiographs Do Not Allow for A Proper Assessment of Medical or Lateral Posterior Slope

Second Place
Mark E. Cinque, MD
The Steadman Philippon Research Institute (SPRI)
Clinical Differences Between Medial and Lateral Sided Knee Dislocations at 10-year Follow-up

Ajay Kanakamedala, MD
The Steadman Philippon Research Institute (SPRI)
Distal Clavicle Excision is not Associated with Adverse Outcomes After Reverse Total Shoulder Arthroplasty

Third Place
Haruki Nishimura, MD, PhD
The Steadman Philippon Research Institute (SPRI)
Fisetin Treated Human Bone Marrow Aspirate Concentrate on Osteoarthritis Rats

Michael G. Rizzo, MD
The Steadman Philippon Research Institute (SPRI)
The Performance of ChatGPT on Orthopaedic In-Service Training Exams: A Comparative Study of the GT-3.5 Turbo and GPT-4 Models in Orthopaedic Education

Kohei Yamaura, MD, PhD
The Steadman Philippon Research Institute (SPRI)
A Unique Golf Ball-Like Cartilage Morphology of the Femoral Head-Neck Junction in Patients with Femoroacetabular Impingement Syndrome

Presenters’ Choice
Phob Ganokroj, MD
The Steadman Philippon Research Institute (SPRI)
Biomechanical Evaluation of the Two Different Levels of Coracoid Graft Positions in the Latarjet Procedure for Anterior Shoulder Instability
WESTERN
First Place
Brendan Shi, MD
University of California, Los Angeles
Bisphosphonate Chaperones Effectively Target the Enthesis Without Impairing Soft Tissue-to-Bone Repair Integrity

Second Place
Christian Blough, MD
Cedars-Sinai
Hormonal Contraceptives Protect Against Ligament Injuries in Female Athletes

Brendon Mitchell, MD
University of California, San Diego
Danger Zone in Anterolateral Plate Fixation of the Distal Tibia – A 3D CT Angiography Model

Third Place
Samy Gabriel, MD
University of California, San Diego
The Effect of Adjacent Level Osteophytes on Proximal Junctional Kyphosis After Multi-Level Thoracolumbar Fusions

Michael Hachadorian, MD
University of California, San Diego
Association Between Same-Day Discharge Shoulder Arthroplasty and Risk of Adverse Events in Patients with American Society of Anesthesiologists Classification ≥ 3: A Cohort Study

Rishi Trikha, MD
University of California, Los Angeles
A Systematic Review of Trainee Ethnic and Gender Diversity in Orthopaedic Surgery and Other Surgical Subspecialties

Second Place
Bijan Dehghani, MD
University of Pennsylvania
Defining in Vitro and In Situ Thresholds for Tension Activated Repair Patches

Gergo Merkely, MD, PhD
Harvard Combined Orthopaedic Residency Program
Identifying Anterior Cruciate Ligament Injuries Through Automated Video Analysis of In-Game Motion Patterns

Third Place
Troy Amen, MD
The Hospital for Special Surgery
Evaluation of Racial, Ethnic, and Socioeconomic Disparities an Indication for Carpal Tunnel Release

David N. Bernstein, MD
Harvard Combined Orthopaedic Residency Program
Do Commonly Used Geographically Based Social Determinant of Health (SDoH) Indices Measure the “Same Thing,” and Which is Best in Orthopaedic Surgery?

David S. Liu, MD
Harvard Combined Orthopaedic Residency Program
Effect of Vitamin D In Prevention and Treatment of Pediatric Fractures

Presenters’ Choice
Julie Retzky, MD
The Hospital for Special Surgery
Lateral Extra-Articular Tenodesis is Associated with Improved Graft Maturity on MRI Two Years Following Anterior Cruciate Ligament Reconstruction with Quadriceps Tendon Autograft in Skeletally Immature Athletes

SOUTHWEST
First Place
Junho Ahn, MD
University of Texas Southwestern Medical Center
Early Clinical Outcomes of Osteochondral Allograft for Capitellar Osteochondritis Dissecans in Adolescent Athletes

Second Place
Olivia Barron, MD
Baylor College of Medicine
Etiology of Acute Extremity Pediatric Compartment Syndrome: A Retrospective Review
Semran Thamer, MD
University of Texas at Austin Dell Medical School
The Relationship Between the Timing of Knee Osteoarthritis Diagnoses and Arthroscopic Partial Meniscectomy

Kathleen Lundquist, MD
University of Texas Health Science Center, San Antonio
Comparing Fixation Techniques in Metacarpal Fractures: Intramedullary Screw versus Open Reduction Internal Fixation

Tyler Williamson, MD
University of Texas Health Science Center, San Antonio
The Fragility of Statistical Significance in the Use of Aspirin in Prevention of Venous Thromboembolism Events Following Hip Fracture Surgery: A Systematic Review

Qais Zai, MD
University of Texas at Austin, Dell Medical School
Factors Associated with Incidence and Recurrence of Lower Back Pain: A Large Population Analysis of the UK Biobank

Garrett Berger, MD
University of California, San Diego
Safe and Effective Aspirations and Nerve Blocks for the On-Call Orthopaedic Surgeons

Ryan T. Conyer, MD
Mayo Clinic
Hermiathroplasty versus Total Shoulder Arthroplasty in B2 Glenoids with an Intact Rotator Cuff: A Long-Term Matched Cohort Analysis

Nicholas Reiners, MD
University of Minnesota, Gillette Children’s Hospital
Pediatric Hip Deformity from Legg Calve Perthes Disease: Assessing Trends in Treatment Over Time

Stephanie Price, MD
University of Texas at Austin, Dell Medical School
Long Leg Cast Versus Hinged Knee Brace Immobilization After Surgical Treatment of Tibial Tubercle Fractures