



R e s i d e n t
R e s e a r c h
S y m p o s i a
Winners 2024



NATIONAL RESIDENT RESEARCH SYMPOSIUM WINNERS

2024 OREF National Resident Research Symposium Champion

Zaamin Hussain, MD

Emory University

*Incision or Excision? What to do with the A1 Pulley for Trigger Finger:
Results of a Multi-Surgeon Randomized Controlled Trial*

Top Scoring Residents

Benjamin Averkamp, MD

Carolinas Medical Center/OrthoCarolina

*Repair Technique and Fellowship Training Background Predict
Major and Minor Complications after Achilles Tendon Repair*

Tristan J. Elias, MD

University of Texas Medical Branch

*Osteochondral Allograft Reaming Significantly Affects Chondrocyte
Viability*

Kyleen Jan, MD

Rush University Medical Center

*THA-10 Score Predicts Conversion to Total Hip Arthroplasty After Hip
Arthroscopy for Femoroacetabular Impingement Syndrome
at Minimum 10-Year Follow-Up*

Brian Shear, MD

University of Maryland

Your iPhone Knows How You Will Recover from Your Fracture

Presenters' Choice

Wade Karam, MD

UTHealth Houston, McGovern Medical School

*Rapid Sequence MRI vs CT Capsular Width Sign for Detection of Occult
Femoral Neck Fractures Associated with Femoral Shaft Fractures*

MIDWEST REGION RESIDENT RESEARCH SYMPOSIUM WINNERS

First Place

Kyleen Jan, MD

Rush University Medical Center

*THA-10 Score Predicts Conversion to Total Hip Arthroplasty
After Hip Arthroscopy for Femoroacetabular Impingement
Syndrome at Minimum 10-Year Follow-Up*

Second Place

Jonathan A. Ledesma, MD

University of Illinois at Chicago

*A Prospective, Randomized Clinical Trial of Pedicle
Lengthening Osteotomy Versus Open Decompression
with Transforaminal Lumbar Interbody Fusion for Lumbar
Degenerative Spondylolisthesis with Stenosis*

Madeline Tiee, MD

Loyola University Medical Center

*Sagittal Deformity of Garden Type I and II Geriatric Femoral Neck
Fractures is Frequently Misclassified by Lateral Radiographs*

Third Place

Myles A. Atkins, MD

Rush University Medical Center

*Risk Factors of Subchondral Insufficiency Fracture of the Knee
in the Setting of Medial Meniscus Posterior Root Tears*

Jordan Serotte, MD

University of Chicago

*Time to Union in Ballistic vs. Blunt Pertrochanteric,
Extra-Capsular Femur Fractures*

Joseph Tanenbaum MD

Northwestern McGaw Medical Center

*The Natural History of Ulnar Collateral Ligament Injuries
in Professional Baseball*

Presenters' Choice

Lohith Vatti, MD

University of Chicago

*The Effect of Perioperative Dexamethasone on Functional
Outcomes of Lower Extremity Long Bone Fracture Fixation*

Luke Zabawa, MD

University of Illinois at Chicago

*Knee Arthroplasty Reimbursement Dynamics: Inflation-Adjusted
Analysis from 2006-2022*

MID-ATLANTIC REGION RESIDENT RESEARCH SYMPOSIUM WINNERS

First Place

Brian Shear, MD

University of Maryland Medical Center

Your iPhone Knows How You Will Recover from Your Fracture

Second Place

Alex Gu, MD

George Washington University

Can Hip and Knee Arthroplasty Surgeons Help Address the Osteoporosis Epidemic?

Denver Burton Kraft, MD

Medstar Georgetown University Hospital

Minimally Displaced Lateral Humeral Condyle Fractures: Optimizing Follow-up and Minimizing Cost

Third Place

William Johns, MD

Thomas Jefferson University Hospital/Rothman Institute

Lower Opioid Prescription Quantity Does Not Negatively Impact Pain Control or Patient Satisfaction Following ACL Reconstruction: A Randomized, Prospective Trial

Matthew Kolevar, MD

University of Maryland Medical Center

Development of a Patient-Specific Cartilage Graft Using Magnetic Resonance Imaging and 3D Printing

Matthew B. Weber, MD

Virginia Commonwealth University

Evaluation of Peripheral Nerve Perfusion in Tensioned Repairs

Presenters' Choice

Micheal Raad, MD

Johns Hopkins Medicine

A New Morphologic Classification of Proximal Junctional Kyphosis Following Lower Thoracic to Pelvis Fusion in Adult Spinal Deformity Predicts Revision Surgery and Neurologic Complications

SOUTHEAST REGION RESIDENT RESEARCH SYMPOSIUM WINNERS

First Place

Zaamin Hussain, MD

Emory University

Incision or Excision? What to do with the A1 Pulley for Trigger Finger: Results of A Multi-Surgeon Randomized Controlled Trial

Second Place

Benjamin Averkamp, MD

Carolinas Medical Center/OrthoCarolina

Repair Technique and Fellowship Training Background Predict Major and Minor Complications after Achilles Tendon Repair

John T. Wilson, MD

University of South Florida/Florida Orthopedic Institute

Conventional versus Robotic-Arm Assisted Medial Uni-compartmental Knee Arthroplasty: A-20-Year Analysis of Radiographic and Clinical Outcomes

Third Place

Bradley Alexander, MD

University of Mississippi Medical Center

Comparison of Recent Trends in Medicare Utilization and Reimbursement for Cervical Spine Discectomy and Fusion Procedures Versus Cervical Disc Arthroplasty

Raahil Patel, MD

University of South Florida/Florida Orthopedic Institute

Early Success in Anterior Compartment Sparing Tibial Tubercle Osteotomy Utilizing Back-Cut Technique

Brittany Raymond, MD

University of Florida

Clinical Outcomes of Operative Management for Radial Tunnel Syndrome According to Surgical Approach: A Systematic Review

Presenters' Choice

Aseel Dib, MD

Carolinas Medical Center/OrthoCarolina

Implant Selection in Distal Femur Fractures: An Analysis of Alignment and Outcomes

SOUTHWEST REGION RESIDENT RESEARCH SYMPOSIUM WINNERS

First Place

J. Matthew Helm, MD

UTHealth Houston McGovern Medical School
The Effect of Anterior Closing Wedge Slope Reducing Osteotomy on Coronal Alignment - Considerations with Regards to Osteotomy Technique and Degree of Slope Correction

Second Place

Tristan J. Elias, MD

University of Texas Medical Branch
Osteochondral Allograft Reaming Significantly Affects Chondrocyte Viability

Wade Karam, MD

UTHealth Houston McGovern Medical School
Rapid Sequence MRI vs CT Capsular Width Sign for Detection of Occult Femoral Neck Fractures Associated with Femoral Shaft Fractures

Third Place

Hayden Anz, MD

UTHealth Houston McGovern Medical School
Biomechanical Analysis of Contact Pressures in Scaphotrapezotrapezoid Arthritis

Kenneth Ford, MD

UTHealth Houston McGovern Medical School
Vascular Injury in Tibial Plateau Fractures: Incidence and Risk Factors

Guillermo R. Pechero Jr., MD

UTHealth Houston McGovern Medical School
Does Reduction Technique for Hip Fractures Matter? A Comparison of Closed, Open and Percutaneous Reduction Techniques in the Treatment of Intertrochanteric Femur Fractures

Presenters' Choice

Ayane Rossano, MD

Dell Medical School at the University of Texas at Austin
Social Work Interventions Improve Outcomes in Total Joint Arthroplasty: An Effort to Improve Equity at an Urban Musculoskeletal Integrated Practice Unit

WESTERN REGION RESIDENT RESEARCH SYMPOSIUM WINNERS

First Place

Seth Ahlquist, MD

University of California, Los Angeles (UCLA)
A Comparison of Total Knee Arthroplasty Outcomes Between Hemodialysis and Renal Transplant Patients

Second Place

Molly A. Hulbert, MD

University of California, San Diego
A Community-Based Outreach Program Can Change Underrepresented Minority Student Perception of Orthopaedic Profession Fit and Attainability: Lessons from BONE Academy

Thomas E. Olson, MD

University of California, Los Angeles (UCLA)
Correction of Fixed Knee Flexion Deformity in Patients with Cerebral Palsy Using Suture Anchors for Anterior Distal Femur Hemi-Epiphysiodesis

Third Place

Reinaldo E. Colon-Morillo, MD

Naval Medical Center San Diego
Proximal Pole Scaphoid Fracture Nonunion Treated with Ipsilateral Hamate Transfer

Abhinav Sharma, MD

University of California, Irvine
Laminectomy with Fusion for Cervical Spondylotic Myelopathy is Associated with Higher Early Morbidity and Risk of Perioperative Complications Compared to Laminectomy Alone

Jonathan Yu, MD

University of California, Los Angeles (UCLA)
How Have Total Joint Arthroplasty Implant Prices Changed Compared to Overall Costs and Reimbursements?

Presenters' Choice

Rishi Trikha, MD

University of California, Los Angeles (UCLA)
From the Lab to the Clinic Angiotensin Converting Enzyme Inhibition May Incur Infectious Risk



**CALIFORNIA ORTHOPAEDIC ASSOCIATION
OREF RESIDENT AWARD WINNER**

Emily Mills, MD

Keck School of Medicine University of
Southern California

*Preoperative Radiographic Findings Associated with
Postoperative Spinopelvic Risk Factors for Instability
Following Total Hip Arthroplasty*

**OREF EDWARD C. MSELFRESH AWARDS FOR
BEST RESIDENT ABSTRACTS**

OREF Resident Award Winners

Nicholas Reiners, MD

University of Minnesota

*Outcomes of Geriatric Hip Fracture Patients with Associated
Proximal Humerus Fractures. Does Surgical Treatment of the
Proximal Humerus Lead to Improved Mobility?*

Austen Thompson, MD, PhD

Mayo Clinic

*Impact of Intraoperative Periprosthetic Fractures During
Cemented Hemiarthroplasty for Femoral Neck Fractures*

The Orthopaedic Research and Education Foundation (OREF) is an independent 501(c)(3) non-profit organization committed to improving clinical practice and patient outcomes by funding outstanding research and mentoring new investigators to improve the lives of patients with musculoskeletal conditions.

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