

**SOA Scientific Program  
The Greenbrier  
July 20-23, 2022  
(Presenters and times are subject to change.)**

**Thursday, July 21, 2022**

- 6:00 am – 7:00 am            Scientific E-Poster Session
- 6:50 am – 6:55 am            Welcome and Announcements  
*Andrew A. Shinar, MD, President*  
*Deryk G. Jones, MD, Program Chair*
- 6:55 am – 7:10 am            First Business Meeting  
*\*CME Credit Not Available*
- 7:10 am – 7:40 am            **SPECIAL SESSION 1**  
Private Equity Firm  
*\*CME Credit Not Available*
- 7:40 am – 8:10 am            **Focused Breakfast Presentation**  
*\*CME Credit Not Available*

**RAPID FIRE SESSION 1A – Basic Science / Other**

**Moderators:** James A. Keeney, MD, *Missouri Orthopaedic Institute*  
Umasuthan Srikumaran, MD, *Johns Hopkins University*

- 8:15 am – 8:19 am            169- Procalcitonin as a Predictor of Septic Knee Arthritis  
*John C. Fisher, MD, MBA, Texas Tech University School of  
Medicine*
- 8:19 am – 8:23 am            269 - Diabetes Increases Bone Density and Osteoarthritis in  
Irradiated Non-Human Primates  
*Nequesha S. Mohamed, MD, Wake Forest School of Medicine*
- 8:23 am – 8:28 am            Discussion
- 8:28 am – 8:32 am            284 Immunocoagulopathy Measures as a Predictor of Mortality in  
Necrotizing Fasciitis  
*Samuel R. Johnson, BS, Vanderbilt University Medical Center*
- 8:32 am – 8:36 am            362 - Patient Out-Of-Pocket Cost Burden with Elective  
Orthopaedic Surgery  
*Carlos Ortiz-Babilonia, BS, Johns Hopkins University*

8:36 am – 8:40 am 260 - Trends in Total Joint Arthroplasty among Patients with Rheumatoid Arthritis  
*Thomas W. Hodo, MD, MSc, Tulane University*

8:40 am – 8:45 am Discussion

**RAPID FIRE SESSION 1B – Foot & Ankle**

**Moderators:** Sara H. Galli, MD, *Ochsner Health Systems*

Christopher E. Gross, MD, *Medical University of South Carolina*

8:15 am – 8:19 am 422 - Statistical Fragility of Platelet-Rich Plasma as Treatment for Achilles Tendinopathy  
*Amy L. Xu, BS, Johns Hopkins University*  
*\*Presented by Arjun Gupta, BS*

8:19 am – 8:23 am 71 - Durability and Safety of Deep Peroneal Nerve Neurectomy for Midfoot Arthritis at Midterm Follow-Up  
*Jose M. Iturregui, MD, Mayo Clinic*

8:23 am – 8:27 am 38 - No Difference in First Metatarsophalangeal Arthrodesis Outcomes between Surgical Indications  
*Warren J. Roth, BS, Medical University of South Carolina*  
*\*Presented by Christopher E. Gross, MD*

8:27 am – 8:30 am Discussion

8:30 am – 8:34 am 43 - Use of Pain Catastrophizing Scale to Predict Patient Outcomes  
*Nicholas A. Baxter, BS, Medical University of South Carolina*  
*\*Presented by Christopher E. Gross, MD*

8:34 am – 8:38 am 46 - Increased Complications/Hardware Removal with Headed Screws in Subtalar/Ankle Arthrodeses  
*Evan Bailey, Medical University of South Carolina*  
*\*Presented by Christopher E. Gross, MD*

8:38 am – 8:42 am 406 - Statistical Fragility of Platelet-Rich Plasma for Plantar Fasciitis  
*Arjun Gupta, BS, Rutgers New Jersey Medical School*

8:42 am – 8:45 am Discussion

**RAPID FIRE SESSION 1C – Shoulder & Elbow**

**Moderators:** Deryk G. Jones, MD, *Ochsner Sports Medicine Institute*

Michael J. O'Brien, MD, *Tulane University*

8:15 am – 8:19 am **Deryk G. Jones, MD Travel Grant Award**

- 74 - Shoulder Stabilization vs. Immobilization for First-Time Anterior Shoulder Dislocation  
*Benjamin Wharton, BA, University of Colorado School of Medicine*
- 8:19 am – 8:23 am 140 - Increased Complications from Reported Antibiotic Allergy in Total Shoulder Arthroplasty  
*Tyler Bahoravitch, BA, George Washington University*  
*\*Presented by Amil R. Agarwal, BA*
- 8:23 am – 8:27 am 367 - Reverse Shoulder Arthroplasty Baseplate Augmentation for Glenoid Deformity  
*Jay M. Levin, MD, Duke University*
- 8:27 am – 8:30 am Discussion
- 8:30 am – 8:34 am 115 - Higher Preoperative Expectations Predict Better Outcomes in Shoulder Surgery Patients  
*Samir Kaveeshwar, BA, University of Maryland School of Medicine*  
*\*Presented by R. Frank Henn III, MD*
- 8:34 am – 8:38 am 214 - A Comparison of Complications and Survivorship after Reverse Total Shoulder Arthroplasty for Proximal Humerus Fracture Compared with Cuff Tear Arthropathy  
*Amil R. Agarwal, BA, George Washington University School of Medicine and Health Sciences*
- 8:38 am – 8:42 am 202 - Effect of Offset in Lateralized Humeral, Medialized Glenoid Reverse TSA  
*G. Jacob Wolf, MD, Medical University of South Carolina*
- 8:42 am – 8:45 am Discussion

#### **RAPID FIRE SESSION 1D – Hand & Wrist**

**Moderators:** Leslie Sisco-Wise, MD, *Ochsner Health Systems*  
Carol D. Meyer, MD, *Ochsner Health Systems*

- 8:15 am – 8:19 am **Gregory Grabowski, MD Travel Grant Award**  
198 - Predictors of Prolonged Operative Time in Distal Radius Fractures  
*Charles A. Johnson, MD, Medical University of South Carolina*
- 8:19 am – 8:23 am 113 - Predictors of Better Two-Year Postoperative Satisfaction in Hand Surgery Patients  
*Jason Lynch, BS, University of Maryland School of Medicine*

*\*Presented by R. Frank Henn III, MD*

- 8:23 am – 8:27 am 128 - Safety and Efficacy of In-Office Hand Procedures  
*Brandon W. Knopp, BS, Florida Atlantic University Charles E. Schmidt College of Medicine*
- 8:27 am – 8:30 am Discussion
- 8:30 am – 8:34 am 411 - Outcomes of Acute Proximal Row Carpectomy vs. Open Reduction and Internal Fixation for Perilunate Injuries  
*Keith T. Aziz, MD, Mayo Clinic Florida*
- 8:34 am – 8:38 am **Benjamin A. Alman, MD Name Travel Grant Award**  
62 - Dietrich's Disease Treated with Osteochondral Autograft Transfer System  
*Corina Brown, MD, Wake Forest School of Medicine*
- 8:38 am – 8:42 am 89 - Elective Hand Surgery is Delayed among Private Insurance Holders  
*Joseph Elphingstone, MD, University of Alabama at Birmingham*  
*\*Presented by Caleb Hood, BS*
- 8:42 am – 8:45 am Discussion

**RAPID FIRE SESSION 1E - Pediatrics**

**Moderators:** Shawn R. Gilbert, MD, *University of Alabama at Birmingham*  
Megan E. Johnson, MD, *Scottish Rite for Children*

- 8:15 am – 8:19 am 144 - A Comparative Analysis of Revision Surgery before or after Two Years following Discontinuation of Growth Friendly Surgery for Early Onset Scoliosis  
*Anjali Prior, BA, Medical University of South Carolina*  
*\*Presented by Maxwell D. Marshall, BM*
- 8:19 am – 8:23 am 97 - Validating the Severity of Illness Score for Children with Acute Hematogenous Osteomyelitis  
*Ezan A. Kothari, University of Alabama at Birmingham*  
*\*Presented by Shawn R. Gilbert, MD*
- 8:23 am – 8:27 am 94 - Weight for Age Z-Scores Are Associated with Complications after Scoliosis Correction in Patients with Cerebral Palsy  
*Ezan A. Kothari, University of Alabama at Birmingham*  
*\*Presented by Shawn R. Gilbert, MD*
- 8:27 am – 8:30 am Discussion

- 8:30 am – 8:34 am                    219 - Posterior Tibial Slope is a Risk Factor for Male Pediatric Tibial Eminence Fractures  
*Joseph Elphingstone, MD, University of Alabama at Birmingham*  
*\*Presented by Samuel Schick, MS, MD*
- 8:34 am – 8:38 am                    444 - Magnetic Resonance Imaging Surveillance of Allograft Cartilage Matrix Implantation after Repair of Articular Cartilage Defects  
*Bhumit R. Desai, MD, Ochsner Medical Center*
- 8:38 am – 8:42 am                    188 - Socioeconomic Factors Correlation with Idiopathic Scoliosis Curve Type  
*Logan K. Laubach, MS, Virginia Commonwealth University*
- 8:42 am – 8:45 am                    Discussion
- 8:45 am – 9:05 am                    ***Break – Please visit Exhibits***

**SYMPOSIUM 1: My Experience as a Team Physician Over the Past 40 Years**

**Moderator:** E. Lyle Cain, MD, *Andrews Sports Medicine & Orthopaedic Center*

- 9:05 am – 9:45 am                    My Experience as a Team Physician Over the Past 40 Years  
*James R. Andrews, MD, Andrews Institute for Orthopaedics & Sports Medicine*

**SYMPOSIUM 2: Diversity in Medicine**

**Moderator:** Craig H. Bennett, MD, *University of Maryland Medical Center*

- 9:45 am – 9:55 am                    Why Diversity is Important in Orthopaedic Surgery in 2022: My Personal Journey  
*Eric W. Carson, MD, Washington University Physicians*
- 9:55 am – 10:15 am                    Pane Discussion  
*Craig H. Bennett, MD, University of Maryland Medical Center*  
*Eric W. Carson, MD, Washington University Physicians*  
*Holly Tyler-Paris Pilson, MD, Wake Forest Baptist Health*  
*Deryk G. Jones, MD, Ochsner Sports Medicine Institute*
- 10:15 am – 10:25 am                    Questions
- 10:25 am – 10:45 am                    ***Break – Please visit Exhibits***

**GENERAL SESSION 2: OREF Report and Presidential Guest Speaker**

*\*CME Credit Not Available*

- 10:45 am – 10:50 am      OREF Report  
*Lee Grossman*
- 10:50 am – 10:55 am      **Introduction of the Presidential Guest Speaker**  
*Andrew A. Shinar, MD, Vanderbilt Orthopaedic Institute*
- 10:55 am – 11:25 am      **Presidential Guest Speaker**  
On the Frontlines...  
*Zack Shinar, MD, Sharp Memorial Hospital*
- 11:25 am – 11:55 am      **Focused Lunch Presentation**  
*\*CME Credit Not Available*

**RAPID FIRE SESSION 2A – Practice Management & Education**

**Moderators:** Leslie Sisco-Wise, MD, *Ochsner Health Systems*  
Holly Tyler-Paris Pilson, MD, *Wake Forest Baptist Health*

- 12:00 pm – 12:04 pm      410 - Gender Disparity in Orthopaedic Textbook Authorship: The Opportunity Gap  
*Katrina E. Bang, MD, Atrium Wake Forest Baptist Health*  
*\*Presented by Jhunnelle Walters, BS*
- 12:04 pm – 12:08 pm      439 - The Role Program Directors Play in Impacting Diversity in Orthopaedic Surgery  
*Alessia C. Lavin, BS, Cleveland Clinic Florida*
- 12:08 pm – 12:12 pm      47 - Spectrum and Prevalence of Occupational Injuries among Orthopaedic Surgeons  
*Anil B. Sedani, MS, University of Miami*
- 12:12 pm – 12:15 pm      Discussion
- 12:15 pm – 12:19 pm      375 - Balancing after Randomization: Are We Even or Even Paying Attention?  
*Josh Joiner, University of Kentucky*
- 12:19 pm – 12:23 pm      321 - Match Rate Success in Orthopaedic Surgery Gap Year Research Participants  
*Azra Dees, BA, Sidney Kimmel Medical College*
- 12:23 pm – 12:27 pm      290 - Psychomotor Testing and Orthopaedic Subspecialty Selection  
*Henry V. Bonner, BS, University of Alabama at Birmingham*  
*\*Presented by Rodney Y. Arthur, BS*
- 12:27 pm – 12:30 pm      Discussion

## **RAPID FIRE SESSION 2B – Shoulder & Elbow**

**Moderators:** Michael J. O'Brien, MD, *Tulane University*

W. Stephen Choate, MD, *Ochsner Sports Medicine Institute*

- 12:00 pm – 12:04 pm      433 - Prolonged Opioid Use following Shoulder Stability Surgery: What Increases Risk and How Do Physicians Contribute?  
*Alexander M. Dawes, BS, Emory University*
- 12:04 pm – 12:08 pm      118 - Defining Completely Better Status through Patient-Reported Outcomes after RCR  
*Seyedeh Z. Mousavi, University of Maryland School of Medicine*  
*\*Presented by R. Frank Henn III, MD*
- 12:08 pm – 12:12 pm      3 - Brief Resiliency Scores and Pain Control after Total Shoulder Arthroplasty  
*Josh Mueller, University of Arkansas for Medical Sciences*
- 12:12 pm – 12:15 pm      Discussion
- 12:15 pm – 12:19 pm      239 - Shoulder Arthroplasty in the Elderly: A Comparison of Early Outcomes  
*Lasun Oladeji, MD, MS, University of Missouri*
- 12:19 pm – 12:23 pm      102 - Worsening of Anemia Increases Risks of Complications following Revision TSA  
*Theodore Quan, BS, George Washington University*
- 12:23 pm – 12:27 pm      243 - Predicting Appropriateness of Stemless Total Shoulder Arthroplasty Using Preoperative Imaging  
*Jay M. Levin, MD, Duke University*
- 12:27 pm – 12:30 pm      Discussion

## **RAPID FIRE SESSION 2C – Sports Medicine**

**Moderators:** Scott D. Mair, MD, *University of Kentucky*

Brian C. Werner, MD, *University of Virginia*

- 12:00 pm – 12:04 pm      221 - Epidemiology of Shoulder Instability Procedures: A Comprehensive Analysis of Complications, Reoperation Rates and Costs  
*Amil R. Agarwal, BA, George Washington University School of Medicine and Health Sciences*
- 12:04 pm – 12:08 pm      124 - Nerve Block Efficacy in Arthroscopic Shoulder Surgery: Suprascapular vs. Interscalene

*Arjun Verma, BS, Ochsner Sports Medicine Institute*

- 12:08 pm – 12:13 pm Discussion
- 12:13 pm – 12:17 pm **Scott D. Mair, MD Travel Grant Award**  
64 - Biomechanical Properties of Femoral and Patellar Fixation  
Constructs for MPFL Reconstruction  
*Casey M. Imbergamo, MD, MedStar Orthopaedic Institute*
- 12:17 pm – 12:21 pm 134 - Elite Athletes with Femoral Retroversion Undergoing Hip  
Arthroscopy Demonstrate Favorable Outcomes and Return to  
Sport Rates  
*Benjamin G. Domb, MD, American Hip Institute*  
*\*Presented by Edwin Chaharbakshi, MD*
- 12:21 pm – 12:25 pm 175 - Return to Play for NFL Athletes following Operative Ankle  
Fractures  
*Jordan B. Robbins, BS, University of Texas Medical Branch  
School of Medicine*
- 12:25 pm – 12:30 pm Discussion

**RAPID FIRE SESSION 2D – Spine**

**Moderators:** Gregory Grabowski, MD, *Palmetto Health at USC*  
Christopher A. Heck, MD, *Southlake Orthopaedics*

- 12:00 pm – 12:04 pm 370 - Cost-Utility of Synthetic Cage vs. Allograft in ACDF for  
Cervical Spondylotic Myelopathy  
*Carlos Ortiz-Babilonia, BS, Johns Hopkins University*
- 12:04 pm – 12:08 pm **Harley & Betty Baxter Resident Travel Grant Award**  
261 - Do Length and Position of Iliac Screws Matter in Adult  
Spinal Deformity?  
*Justin Vickery, MD, Vanderbilt University Medical Center*
- 12:08 pm – 12:12 pm 448 - Radiation Exposure with Use of Intraoperative CT Guidance  
in Spinal Deformity Surgery  
*Russell Parks, MD, Ochsner Medical Center*
- 12:12 pm – 12:17 pm Discussion
- 12:17 pm – 12:21 pm 264 - L1-Pelvic-Angle: Novel Intraoperative Measurement to  
Attain Optimal Deformity Correction  
*Byron F. Stephens II, MD, Vanderbilt University Medical Center*  
*\*Presented by Justin Vickery, MD*



12:21 pm – 12:25 pm 423 - Preoperative PROMIS Scores and Duration of Opioid Use following Spine Surgery  
*Oscar Covarrubias, BS, Johns Hopkins University School of Medicine*

12:25 pm – 12:30 pm Discussion

### **RAPID FIRE SESSION 2E – Total Hip**

**Moderators:** Michael P. Bolognesi, MD, *Duke University*  
James A. Browne, MD, *University of Virginia*

12:00 pm – 12:04 pm **James A. Browne, MD Travel Grant Award**  
267 - Compaction Broach Collared Femoral Stems Reduce Postoperative Periprosthetic Femur Fractures  
*Tyler E. Calkins, MD, University of Tennessee - Campbell Clinic Orthopaedics*

12:04 pm – 12:08 pm 125 - Tip-Apex Distance and Hospital Readmission following Fixation of Intertrochanteric Fractures  
*Brandon W. Knopp, BS, Florida Atlantic University Charles E. Schmidt College of Medicine*

12:08 pm – 12:12 pm **Scott D. Mair, MD Travel Grant Award**  
215 - Dislocation Rates are Increased in Patients with Prior Isolated Sacroiliac Joint Fusion who Undergo Primary Total Hip Arthroplasty  
*Pradip Ramamurti, MD, University of Virginia*

12:12 pm – 12:17 pm Discussion

12:17 pm – 12:21 pm 380 - Does a Strict BMI Cutoff Yield Meaningful Change in Total Hip Arthroplasty?  
*Niall Cochrane, MD, Duke University*

12:21 pm – 12:25 pm 232 - Use of Supplemental Home Oxygen Increases Risk for Early Postoperative Complications following Total Hip Arthroplasty  
*Nicole D. Quinlan, MD, MS, University of Virginia Health System*  
*\*Presented by John Burke, BS*

12:25 pm – 12:30 pm Discussion

### **SYMPOSIUM 3: Cartilage Treatment**

**Moderator:** Deryk G. Jones, MD, *Ochsner Sports Medicine Institute*

12:35 pm – 1:05 pm Current Treatment Algorithm for Cartilage Lesions in 2022  
*Deryk G. Jones, MD, Ochsner Sports Medicine Institute*

1:05 pm – 1:20 pm                      Questions & Discussion

**CONCURRENT SYMPOSIUM 4A: Trauma to the Foot & Ankle**

**Moderator:** James A. Nunley, MD, *Duke University*

1:25 pm – 1:35 pm                      Turf Toe Injuries  
*Sameh A. Labib, MD, Emory University*

1:35 pm – 1:45 pm                      Lisfranc Injuries  
*Robert D. Santrock, MD, Orthopedic Foot & Ankle Center*

1:45 pm – 1:55 pm                      Jones Fractures  
*Christopher E. Gross, MD, Medical University of South Carolina*

1:55 pm – 2:05 pm                      Navicular Fractures  
*James A. Nunley, MD, Duke University*

2:05 pm – 2:10 pm                      Discussion

**CONCURRENT SYMPOSIUM 4B: Spine**

**Moderator:** Gregory Grabowski, MD, *Palmetto Health at USC*

1:25 pm – 2:10 pm                      Case-Based Discussion  
Panel: *John G. DeVine, MD, Augusta University*  
*Steven M. Theiss, MD, University of Alabama at Birmingham*  
*John France, MD, West Virginia University*

Cases: Lumbar Disc Herniation  
Lumbar Spondylolysis  
Lumbar Strain/Other Causes of LBP

**CONCURRENT ROUND TABLE DISCUSSION A**

2:15 pm – 3:15 pm                      **Total Joints**  
**Moderator:** Brian M. Curtin, MD, *OrthoCarolina Hip and Knee Center*

*Brian M. Curtin, MD, OrthoCarolina Hip and Knee Center*  
*Steve M. Engstrom, MD, MBA, Vanderbilt University*  
*Brian A. Jewett, MD, Slocum Center for Orthopedics*  
*J. Ryan Martin, MD, Vanderbilt University*

**CONCURRENT ROUND TABLE DISCUSSION B**

2:15 pm – 3:15 pm

**Sports**

**Moderator:** Scott D. Mair, MD, *University of Kentucky*

*E. Lyle Cain, MD, Andrews Sports Medicine & Orthopaedic Center*

*Eric W. Carson, MD, Washington University Physicians*

*Jeffrey A. Guy, MD, University of South Carolina*

*Deryk G. Jones, MD, Ochsner Sports Medicine Institute*

*Scott D. Mair, MD, University of Kentucky*

3:15 pm – 5:00 pm

**Scientific E-Poster Session**

**Friday, July 22, 2022**

6:00 am – 7:00 am

**Scientific E-Poster Session**

7:00 am – 7:05 am

**Announcements**

*Deryk G. Jones, MD, Program Chair*

7:05 am – 7:25 am

**SPECIAL SESSION 2**

**Maintaining Relevance in a Value-Based Environment**

*\*CME Credit Not Available*

**Panel Discussion**

**Moderator:** Marney Reid, *Independent Consultant*

Panel: *C. Lowry Barnes, MD, University of Arkansas for Medical Sciences*

*Ryan M. Nunley, MD, Washington University*

*Goran Dragolovic, Covenant Physician Partners*

7:25 am – 7:55 am

**Focused Breakfast Presentation**

*\*CME Credit Not Available*

**RAPID FIRE SESSION 3A – Foot & Ankle**

**Moderators:** Sara H. Galli, MD, *Ochsner Health Systems*

James A. Nunley, MD, *Duke University*

8:00 am – 8:04 am

143 - Preoperative Dehydration Prolongs Hospital Stay following Total Ankle Arthroplasty

*Theodore Quan, BS, George Washington University*

8:04 am – 8:08 am

336 - Isolated Gastrocnemius Recession for Chronic Achilles Tendinopathy: Patient-Reported Outcomes

*Sean Young, BS, University of Alabama at Birmingham*

- 8:08 am – 8:12 am      323 - Calcaneal Osteotomies in Prevention of Deformity-Driven Subtalar Joint Arthritis  
*Cody J. Togher, DPM, Orthopedic Foot & Ankle Center*
- 8:12 am – 8:15 am      Discussion
- 8:15 am – 8:19 am      357 - What Role Does BMI Play in Outcomes in Lateral Ligament Repair?  
*Sean Young, BS, University of Alabama at Birmingham*
- 8:19 am – 8:23 am      42 - Sex Differences in Patient Reported Outcomes after Total Ankle Arthroplasty  
*Kathy McGurk, MD, Medical University of South Carolina*  
*\*Presented by Christopher E. Gross, MD*
- 8:23 am – 8:27 am      387 - Dual Semitendinosus Allograft Reconstruction of Chronic Achilles Tendon Ruptures: Operative Technique and Outcomes  
*Brian P. McCormick, MD, MedStar Union Memorial Hospital*
- 8:27 am – 8:30 am      Discussion

**RAPID FIRE SESSION 3B – Total Knee**

**Moderators:** James A. Keeney, MD, *Missouri Orthopaedic Institute*  
H. Clayton Thomason III, MD, *Carolina Orthopaedic & Sports Medicine*

- 8:00 am – 8:04 am      278 - Rotational Muscle Flap Coverage for Soft Tissue Defects after Prosthetic Knee Infections  
*Billy Kim, BA, Duke University School of Medicine*
- 8:04 am – 8:08 am      **H. Clayton Thomason III, MD Travel Grant Award**  
233 - Use of Supplemental Home Oxygen Increases Risk for Early Postoperative Complications Following Total Knee Arthroplasty  
*John Burke, BS, University of Virginia Health System*
- 8:08 am – 8:12 am      401 - Early Failure of Knee Arthrodesis  
*Kenneth A. Sabacinski, MD, West Virginia University*
- 8:12 am – 8:15 am      Discussion
- 8:15 am – 8:19 am      388 - Access to Total Joint Arthroplasty for Veterans Patients in Civilian Orthopaedic Centers  
*Payton Yerke, BS, Cleveland Clinic Florida*

8:19 am – 8:23 am 204 - Does Metabolic Syndrome Impact the Risk of Reoperation, Revision, or Complication after Primary Total Knee Arthroplasty?  
*Cameron K. Ledford, MD, Mayo Clinic Florida*

8:23 am – 8:27 am 459 - Conversion TKA following Allograft Reconstruction: Similar Functional Performance with Lower Satisfaction  
*Brenton Albracht, MD, Missouri Orthopaedic Institute*

8:27 am – 8:30 am Discussion

### **RAPID FIRE SESSION 3C – Trauma**

**Moderators:** Steven C. Lochow, MD, *Scott Orthopedic Center*  
Holly Tyler-Paris Pilson, MD, *Wake Forest Baptist Health*

8:00 am – 8:04 am 307 - Inflammatory Response to Trauma – Does Early Modulation Improve Pain Control?  
*Matthew W. Kavolus, MD, University of Kentucky*

8:04 am – 8:08 am 419 - Intraoperative Cell Salvage on Perioperative Blood Transfusion in Pelvic Surgery  
*Neil V. Mohile, MD, University of Miami*

8:08 am – 8:12 am **SOA Resident Travel Grant Award**  
67 - A Paradigm Shift: Acute Management of Tibial Plafond Fractures  
*David Michaeli, MD, University of South Alabama*

8:12 am – 8:15 am Discussion

8:15 am – 8:19 am 78 - Disowning the Bone: Trends in Osteoporotic Medication Utilization following OTB Initiative  
*Amil R. Agarwal, BA, George Washington University School of Medicine and Health Sciences*

8:19 am – 8:23 am 308 - Increased Blood Glucose Range is Associated with Postoperative Complications  
*J'Lynn L. Baker, BS, Emory University School of Medicine*

8:23 am – 8:27 am 228 - Cephalomedullary Construct Characteristics and Failure Rate in Intertrochanteric Hip Fractures  
*Patrick B. Curtin, MD, University of Massachusetts*

8:27 am – 8:30 am Discussion

### **RAPID FIRE SESSION 3D - Tumor**

**Moderators:** Ginger E. Holt, MD, *Vanderbilt University*

- 8:00 am – 8:04 am 443 - Oncological Outcomes in Octogenarian Patients with Appendicular Soft Tissue Sarcomas  
*Yonghoon Lee, BA, University of Miami Miller School of Medicine*
- 8:04 am – 8:08 am 271 - A Pilot Study of Intralesional Injection of Triamcinolone Acetonide for Desmoid Tumors  
*Benjamin Wilke, MD, Mayo Clinic*
- 8:08 am – 8:12 am 152 - Predicting Mortality in Patients with High-Risk Extremity Soft Tissue Sarcoma  
*Teja Yerosu, Virginia Commonwealth University School of Medicine*
- 8:12 am – 8:15 am Discussion
- 8:15 am – 8:19 am 153 - Utilization of Machine Learning to Predict Mortality in Ewing Sarcoma  
*Waleed Ahmad, Virginia Commonwealth University School of Medicine*
- 8:19 am – 8:23 am 154 - Machine Learning for Predicting Metastasis in Patients Presenting with Osteosarcoma  
*Teja Yerosu, Virginia Commonwealth University School of Medicine*
- 8:23 am – 8:27 am 258 - Disparities in Presentation of Pathologic Fractures  
*Jonathan Pire, BS, Medical University of South Carolina*
- 8:27 am – 8:30 am Discussion

### **RAPID FIRE SESSION 3E – Upper Extremity**

**Moderators:** Jeffrey A. Guy, MD, *University of South Carolina*  
Michael J. O'Brien, MD, *Tulane University*

- 8:00 am – 8:04 am **Michael J. O'Brien, MD Travel Grant Award**  
451 - Surgical Treatment of Iatrogenic Nerve Injury following Elective Shoulder Surgery  
*Charles A. Cefalu, MD, MBA, Atrium Health - Wake Forest Baptist Medical Center*
- 8:04 am – 8:08 am 255 - Ballistic Injuries of the Humerus: A Matched Cohort Analysis  
*Walter R. Smith, MD, University of Alabama at Birmingham*  
*\*Presented by Samuel Schick, MS, MD*

- 8:08 am – 8:12 am 212 - Epidemiology of Upper Extremity Orthopaedic Injuries Associated with Dog Walking  
*Ridge Maxson, BS, Johns Hopkins University School of Medicine*
- 8:12 am – 8:15 am Discussion
- 8:15 am – 8:19 am 30 - How Fellowship Affects Operative vs Nonoperative Management of Proximal Humerus Fractures  
*Logan A. Reed, BS, University of Alabama at Birmingham*  
*\*Presented by Rodney Y. Arthur, BS*
- 8:19 am – 8:23 am 131 - Radiologic Features as a Prognostic Indicator of Forearm Fractures  
*Brandon W. Knopp, BS, Florida Atlantic University Charles E. Schmidt College of Medicine*
- 8:23 am – 8:27 am 183 - Biomechanical Properties of Suture Button vs. Anchor Fixation for Flexor Digitorum Profundus Repair  
*Casey M. Imbergamo, MD, MedStar Orthopaedic Institute*
- 8:27 am – 8:30 am Discussion
- 8:30 am – 8:50 am ***Break – Please visit Exhibits***

### **SYMPOSIUM 5: Total Knee Arthroplasty**

**Moderator:** Robert L. Barrack, MD, *Washington University Physicians*

- 8:50 am – 8:57 am Case for Cementless TKA  
*Robert L. Barrack, MD, Washington University Physicians*
- 8:57 am – 9:04 am Cementing Techniques in TKA  
*J. Ryan Martin, MD, Vanderbilt University*
- 9:04 am – 9:11 am Do You Need a Robot?  
*James A. Browne, MD, University of Virginia*
- 9:11 am – 9:18 am Medial Pivot Knee  
*C. Lowry Barnes, MD, University of Arkansas for Medical Sciences*
- 9:18 am – 9:25 am DVT Prophylaxis  
*Paul F. Lachiewicz, MD, Duke University*
- 9:25 am – 9:35 am Questions & Discussion

## **SYMPOSIUM 6: Trauma Case Based Discussions**

**Moderator:** John France, MD, *West Virginia University*

9:35 am – 10:20 am Case Based Discussions

## **GENERAL SESSION 3: L. Andrew Koman, MD Distinguished Southern Orthopaedist**

*\*Presented by Atrium Health*

10:20 am – 10:25 am **Introduction of L. Andrew Koman, MD Distinguished Southern Orthopaedist**

*L. Andrew Koman, MD, Wake Forest University*

10:25 am – 10:55 am **L. Andrew Koman, MD Distinguished Southern Orthopaedist**

A Tale of Two Nails: Reflections on the Treatment of Fractures in Children Over the Past 30 Years

*Gregory Mencio, MD, Vanderbilt University Medical Center*

10:55 am – 11:15 am **Break – Please visit Exhibits**

## **GENERAL SESSION 4: AAOS Report**

11:15 am – 11:30 am AAOS Report

*Felix H. “Buddy” Savoie III, MD, Tulane Orthopaedics*

*\*CME Credit Not Available*

11:30 am – 12:00 pm **Focused Lunch Presentation**

*\*CME Credit Not Available*

## **RAPID FIRE SESSION 4A – Total Joint**

**Moderators:** Michael P. Bolognesi, MD, *Duke University*

James A. Browne, MD, *University of Virginia*

12:05 pm – 12:09 pm **Andrew A. Shinar, MD Travel Grant Award**

262 - Treatment Decision Regret in Patients who Develop Periprosthetic Joint Infection and Require Two Stage Revision Surgery

*Sean Sequeira, BS, Union Memorial Hospital*

12:09 pm – 12:13 pm 229 - Perioperative Results of Immersive Virtual Reality as Adjunct Anesthesia when Performing Primary Total Hip and Knee Arthroplasty

*Cameron K. Ledford, MD, Mayo Clinic Florida*

12:13 pm – 12:17 pm **SOA Resident Travel Grant Award**

328 - Patient Race Significantly Impacts Postoperative Outcome in THA Patients



*Jesse Seilern und Aspang, MD, Emory University School of Medicine*

- 12:17 pm – 12:20 pm Discussion
- 12:20 pm – 12:24 pm 298 - Age-Adjusted Modified Frailty Index: Improved Risk Stratification for Knee Arthroplasty  
*Jacob M. Wilson, MD, Emory University School of Medicine*  
*\*Presented by Jesse Seilern und Aspang, MD*
- 12:24 pm – 12:28 pm 305 - Diagnostic and Invasive Colonoscopy are not Risk Factors for Revision Surgery Due to Periprosthetic Joint Infection: A Retrospective Database Study  
*Anthony Chiu, George Washington School of Medicine & Health Sciences*
- 12:28 pm – 12:32 pm 288 - Healthcare Utilization from Osteoarthritis Diagnosis to Joint Arthroplasty in Telemedicine Patients  
*Lefko T. Charalambous, BS, Duke University School of Medicine*
- 12:32 pm – 12:35 pm Discussion

**RAPID FIRE SESSION 4B – Hand & Wrist**

Moderator: Abhinav Bobby Chhabra, MD, *University of Virginia*  
Leslie Sisco-Wise, MD, *Ochsner Health Systems*

- 12:05 pm – 12:09 pm 201 - Regional Anesthesia is Associated with Prolonged Operative Time and Unplanned Admission in DR Fractures  
*Ryan W. Horn, MD, Medical University of South Carolina*
- 12:09 pm – 12:13 pm **E. Lyle Cain, MD Travel Grant Award**  
363 - Clinical and Radiographic Outcomes of Single vs. Double Suture Button Suspensionplasty  
*Sneha R. Rao, MD, Duke University*
- 12:13 pm – 12:17 pm 110 - PROMIS Depression and Anxiety Predict Worse Postoperative Hand Function  
*Luke Pitsenbarger, University of Maryland School of Medicine*  
*\*Presented by Daniel Rivkin, BS*
- 12:17 pm – 12:20 pm Discussion
- 12:20 pm – 12:24 pm 112 - Factors Associated with Worse PROMIS Pain Interference after Hand Surgery  
*Yanni G. Kavas, BS, University of Maryland School of Medicine*  
*\*Presented by R. Frank Henn III, MD*

12:24 pm – 12:28 pm      199 - Effect of Surgeon Specialty on Complications in  
Carpometacarpal Arthroplasty  
*Charles A. Johnson, MD, Medical University of South Carolina*

12:28 pm – 12:32 pm      412 - Characteristics of Patients Undergoing Distal Radioulnar  
Joint Arthroplasty: A National Database Review  
*Suresh K. Nayar, MD, Mayo Clinic Florida*

12:32 pm – 12:35 pm      Discussion

#### **RAPID FIRE SESSION 4C – Sports Medicine**

Moderators:    Eric W. Carson, MD, *Washington University Physicians*  
                     Scott D. Mair, MD, *University of Kentucky*

12:05 pm – 12:09 pm      136 - Minimum Five-Year Outcomes of High-Level Athletes with  
Borderline Dysplasia Undergoing Primary Hip Arthroscopy with a  
Sub-Analysis against a Propensity-Matched Nondysplastic Control  
Group  
*Benjamin G. Domb, MD, American Hip Institute*  
*\*Presented by Edwin Chaharbakshi, MD*

12:09 pm – 12:13 pm      334 – Ten Year Outcomes following Endoscopic Gluteus Medius  
Repair  
*Payam W. Sabetian, MD, American Hip Institute*

12:13 pm – 12:17 pm      70 - Effect of Tanner Stage and Hypermobility in Pediatric ACL-  
Deficient Patients  
*Matthew J. Matava, MD, Washington University*

12:17 pm – 12:20 pm      Discussion

12:20 pm – 12:24 pm      335 - Workers' Compensation Patients Improve after Hip  
Arthroscopy for Labral Tears: A Five-Year Outcome Propensity-  
Score Matched Study  
*Payam W. Sabetian, MD, American Hip Institute*  
*\*Presented by Edwin Chaharbakshi, MD*

12:24 pm – 12:28 pm      51 - Long-Term Survivorship: Arthroscopic Acetabular Labral  
Repair vs. Labral Debridement  
*Christopher T. Eberlin, BS, Massachusetts General Hospital*  
*\*Presented by Nathan J. Cherian*

12:28 pm – 12:32 pm      129 - Minimum Ten-Year Follow-Up Outcomes and Survivorship  
following Primary Hip Arthroscopy with Acetabular Microfracture  
*Benjamin G. Domb, MD, American Hip Institute*

*\*Presented by Edwin Chaharbakshi, MD*

12:32 pm – 12:35 pm Discussion

**RAPID FIRE SESSION 4D – Practice Management & Education**

**Moderators:** Ginger E. Holt, MD, *Vanderbilt University*

Deryk G. Jones, MD, *Ochsner Sports Medicine Institute*

12:05 pm – 12:09 pm 447 - Do Medicaid Patients have Less Access to Orthopaedic Care?

*Feyikemi Ogunfuwa, BS, Cleveland Clinic Florida*

12:09 pm – 12:13 pm 460 - Trends in Gender Disparities in Orthopaedic Shoulder and Elbow Surgeons in the United States

*Jessica V. Baran, BS, Cleveland Clinic Florida*

12:13 pm – 12:17 pm 445 - Why Use Telehealth? Perspectives among Orthopaedic Surgeons

*Feyikemi Ogunfuwa, BS, Cleveland Clinic Florida*

12:17 pm – 12:20 pm Discussion

12:20 pm – 12:24 pm 8 - The Impact of Video Conference on Orthopaedic Resident Education: A Survey

*Michael Booth, MD, West Virginia University*

12:24 pm – 12:28 pm 2 - Does Surgeon Level of Expertise Correlate with Patient Outcomes?

*Joseph Geller, MD, University of Miami Miller School of Medicine*

*\*Presented by Zachary J. Donato, BS*

12:28 pm – 12:32 pm 15 - The Fate of Orthopaedic Surgery Applicants from Medical Schools without an Orthopaedic Surgery Residency

*Joshua R. Eskew, MD, Prisma Health - Upstate*

12:32 pm – 12:35 pm Discussion

**RAPID FIRE SESSION 4E – Pediatrics**

**Moderators:** Shawn R. Gilbert, MD, *University of Alabama at Birmingham*

Megan E. Johnson, MD, *Scottish Rite for Children*

12:05 pm – 12:09 pm 109 - Racial Disparities in Outcomes following Open Treatment of Pediatric Femoral Shaft Fractures

*Alisa Malyavko, MS, George Washington University School of Medicine and Health Sciences*

- 12:09 pm – 12:13 pm      95 - Patient Reported Outcomes following Calcaneal Lengthening Osteotomy for Idiopathic Flexible Flatfoot  
*Daniel Pereira, MD, Washington University Orthopaedics*
- 12:13 pm – 12:17 pm      55 - Study Groups in AIS Presentations at the SRS Annual Meeting  
*Maxwell D. Marshall, BM, Medical University of South Carolina*
- 12:17 pm – 12:20 pm      Discussion
- 12:20 pm – 12:24 pm      276 - Racial Disparities in Outcomes following Operative Management of Pediatric Developmental Dysplasia of the Hip  
*Alisa Malyavko, MS, George Washington University School of Medicine and Health Sciences*
- 12:24 pm – 12:28 pm      167 - Incidence of Vitamin D Deficiency in the Operative Pediatric Orthopaedic Patient during COVID-19 Pandemic  
*Lindsay Crawford, MD, University of Texas Health Orthopaedics*
- 12:28 pm – 12:32 pm      98 - Complexity and Complication Rate of ATV-Associated Open Fractures in a Pediatric Population  
*Ezan A. Kothari, University of Alabama at Birmingham*  
*\*Presented by Shawn R. Gilbert, MD*
- 12:32 pm – 12:35 pm      Discussion

### **SYMPOSIUM 7: Total Hip**

**Moderator:** Michael P. Bolognesi, MD, *Duke University*

- 12:40 pm – 12:46 pm      Optimal Bearing Combination in 2023  
*William J. Maloney, MD, Stanford University*
- 12:46 pm – 12:52 pm      Intraoperative Imaging  
*Robert L. Barrack, MD, Washington University Physicians*
- 12:52 pm – 12:58 pm      Dual Mobility  
*Ryan M. Nunley, MD, Washington University*
- 12:58 pm – 1:04 pm      Preventing Fractures in the Anterior Approach  
*Brian A. Jewett, MD, Slocum Center for Orthopedics*
- 1:04 pm – 1:10 pm      Defending the Posterior Approach  
*Amar S. Ranawat, MD, Hospital for Special Surgery*
- 1:10 pm – 1:16 pm      Title TBD  
*Michael P. Bolognesi, MD, Duke University*

1:16 pm – 1:25 pm                      Questions & Discussion

### **SYMPOSIUM 8: Trauma Debates**

**Moderator:** Holly Tyler-Paris Pilson, MD, *Wake Forest Baptist Health*

- 1:25 pm – 1:27 pm                      Proximal Humerus Fracture Debates  
Introduction  
*Holly Tyler-Paris Pilson, MD, Wake Forest Baptist Health*
- 1:27 pm – 1:35 pm                      Position 1- Fix It and Forget It- When Non-Op Treatment Won't Do: ORIF vs. IMN- My Indications, Tips and Tricks and Pitfalls  
*Speaker TBD*
- 1:35 pm – 1:43 pm                      Position 2- Fix It and Regret It- Arthroplasty is a Better Option- My Indications, Tips and Tricks and Pitfalls  
*Speaker TBD*
- 1:43 pm – 1:48 pm                      Summary & Questions
- 1:48 pm – 1:50 pm                      Distal Femur Fracture Debates  
Introduction  
*Holly Tyler-Paris Pilson, MD, Wake Forest Baptist Health*
- 1:50 pm – 1:58 pm                      Position 1- Fix and Forget It- ORIF vs. rIMN for Osteoporotic Fractures: My Indications, New Implants and Techniques, Tips and Tricks, Weight Bearing and Pitfalls  
*Speaker TBD*
- 1:58 pm – 2:06 pm                      Position 2- Fix It and Regret It- Arthroplasty or Revision is a Better Option: My Indications, Tips and Tricks and Pitfalls  
*Arun Aneja, MD, PhD, University of Kentucky*
- 2:06 pm - 2:10 pm                      Summary & Questions

### **RESIDENT COURSE**

#### **Finding The Right Job for You, and Then What**

2:20 pm – 3:50 pm

**Moderator:** Marney Reid, *Independent Consultant*

**Panel:** *Oke A. Anakwenze, MD, MBA, Duke University*  
*Cynthia L. Emory, MD, MBA, Wake Forest University School of Medicine*  
*Wesley Greer, MD, WRMC Orthopaedic and Sports Medicine Clinic*  
*Christopher A. Heck, MD, Southlake Orthopaedics*

**Discussion Topics:**

- Employment Models – The Good, The Bad, The Reality
- When and How to Look for a Job
- Interview Tips
- Assessing Compensation Models
- Contract “Watch Outs”
- The First 6 Months in Practice

2:20 pm – 3:20 pm                      **Scientific E-Poster Session**

**Saturday, July 23, 2022**

6:00 am – 7:00 am                      **Scientific E-Poster Session**

6:45 am – 7:00 am                      **Second Business Meeting**

7:00 am - 7:05 am                      **Announcements**  
*Deryk G. Jones, MD, Program Chair*

7:05 am – 7:35 am                      **SPECIAL SESSION 3**  
Practical Information for the Practicing Orthopedist  
*\*CME Credit Not Available*

Updates in E & M Coding  
*Steve M. Engstrom, MD, Vanderbilt University*

Online Reviews: What Every Doctor Needs to Know!  
*Benjamin Holt, MD*

7:35 am – 8:05 am                      **Focused Breakfast Presentation**  
*\*CME Credit Not Available*

**RAPID FIRE SESSION 5A – Shoulder & Elbow**

**Moderators:** Michael J. O’Brien, MD, *Tulane University*  
Brian C. Werner, MD, *University of Virginia*

8:05 am – 8:09 am                      452 - Current Practices in the Management of Anterior  
Glenohumeral Instability: A Tale Across Waters, France vs. the  
United States  
*Alexander M. Dawes, BS, Emory University*

8:09 am – 8:13 am                      54 - Complications following Shoulder Instability Repair: Bankart  
vs. Latarjet-Bristow  
*Christopher T. Eberlin, BS, Massachusetts General Hospital*  
*\*Presented by Nathan J. Cherian*

- 8:13 am – 8:17 am 185 - Lymphedema and the Effect of Radiation in RCR and TSA  
*Zoe Hinton, MD, Duke University School of Medicine*
- 8:17 am – 8:20 am Discussion
- 8:20 am – 8:24 am 218 - Comparison of SLAP Repair and Bicep Tenodesis for SLAP Tears  
*R. Timothy Kreulen, MD, Johns Hopkins University*
- 8:24 am – 8:28 am 166 - Comparison of Clinical Outcomes Using Inlay vs. Onlay Humeral Trays in Reverse Shoulder Arthroplasty for Patients with Cuff Tear Arthropathy  
*Prashant Meshram, Johns Hopkins Medical Institute*
- 8:28 am – 8:32 am 155 - Incidence and Risk Factors for Re-Revision Reverse Total Shoulder Arthroplasty  
*Daniel S. O'Keefe, BS, University of Florida College of Medicine*  
*\*Presented by Kevin W. Farmer, MD*
- 8:32 am – 8:35 am Discussion

**RAPID FIRE SESSION 5B – Sports Medicine**

**Moderators:** Scott D. Mair, MD, *University of Kentucky*  
Chaitu S. Malempati, DO, *University of Kentucky*

- 8:05 am – 8:09 am 132 - Primary Acetabular Labral Reconstruction in Adolescents, in the Rare Scenario of Irreparable Labral Tears  
*Benjamin G. Domb, MD, American Hip Institute*  
*\*Presented by David R. Maldonado, MD*
- 8:09 am – 8:13 am 135 - Personalized Medicine in Hip Preservation: Use of Machine-Learning Methodology for Creation of a Preoperative Prognostic Model for Patients Undergoing Hip Arthroscopy  
*Philip J. Rosinsky, MD, American Hip Institute*  
*\*Presented by David R. Maldonado, MD*
- 8:13 am – 8:17 am 137 - Minimum Two-Year Outcomes of Patients from Non-Metropolitan Areas Undergoing Primary Hip Arthroscopy for Femoroacetabular Impingement Syndrome with a Propensity-Matched Comparison to a Control Group of Patients from Metropolitan Areas  
*Benjamin G. Domb, MD, American Hip Institute*  
*\*Presented by David R. Maldonado, MD*
- 8:17 am – 8:20 am Discussion

- 8:20 am – 8:24 am                      88 - Systematic Review of Musculoskeletal Issues in Retired NFL Players  
*Joseph Elphingstone, MD, University of Alabama at Birmingham*  
*\*Presented by Mark McClure, BS*
- 8:24 am – 8:28 am                      65 - Biomechanical Properties of Suture Anchor vs. Transosseous Tunnel Technique for Patellar Tendon Repair  
*Casey M. Imbergamo, MD, MedStar Orthopaedic Institute*
- 8:28 am – 8:32 am                      52 - Review of Hamstring Injury Prevention and Risk Factor Management  
*Christopher T. Eberlin, BS, Massachusetts General Hospital*  
*\*Presented by Nathan J. Cherian*
- 8:32 am – 8:35 am                      Discussion

**RAPID FIRE SESSION 5C – Trauma**

**Moderators:** Steven C. Lochow, MD, *Scott Orthopedic Center*  
Holly Tyler-Paris Pilson, MD, *Wake Forest Baptist Health*

- 8:05 am – 8:09 am                      404 - Outcomes of Distal Radius Fractures Treated with Multiplanar External Fixation  
*Andres D. Maeso, BS, Riverside Regional Medical Center*  
*\*Presented by Conor F. McCarthy, MD*
- 8:09 am – 8:13 am                      162 - Alcohol Use Disorder is Associated with Heterotopic Ossification  
*Jesse Seilern und Aspang, MD, Emory University School of Medicine*
- 8:13 am – 8:17 am                      158 - Pelvic Angioembolization Preceding Acetabular ORIF: Is it Permissible for Infection?  
*Ryan S. Zamanzadeh, BS, Emory University*  
*\*Presented by Jesse Seilern und Aspang, MD*
- 8:17 am – 8:20 am                      Discussion
- 8:20 am – 8:24 am                      309 - Operating Room Size does not Affect SSI Rate with IMN  
*William S. Godfrey, MD, Emory University School of Medicine*  
*\*Presented by Jesse Seilern und Aspang, MD*
- 8:24 am – 8:28 am                      159 - The Impact of Frailty in Acetabular Surgery  
*Ryan S. Zamanzadeh, BS, Emory University*  
*\*Presented by Jesse Seilern und Aspang, MD*



8:28 am – 8:32 am 420 - Ballistic Tibial Plafond Fractures: Treatment and Outcomes  
*Jeffrey S. Holmes, MD, Emory University School of Medicine*

8:32 am – 8:35 am Discussion

**RAPID FIRE SESSION 5D – Total Knee**

**Moderators:** James A. Browne, MD, *University of Virginia*

H. Clayton Thomason III, MD, *Carolina Orthopaedic & Sports Medicine*

8:05 am – 8:09 am 174 - Degenerative Lumbar Spine Surgery Timing Does Not Affect TKA Outcomes  
*Alexander J. Volkmar, MD, Vanderbilt University Medical Center*

8:09 am – 8:13 am 79 - Increased Revision Rates among Patients Undergoing Unicompartamental and Bicompartamental Knee Arthroplasties when Compared to Total Knee Arthroplasty  
*Amil R. Agarwal, BA, George Washington University School of Medicine and Health Sciences*

8:13 am – 8:17 am 408 - Resident Impact on Complication Rates in Revision Total Knee Arthroplasty  
*Kelly Chandler, BS, University of Alabama at Birmingham*  
*\*Presented by Cole Howie, BS*

8:17 am – 8:20 am Discussion

8:20 am – 8:24 am 139 - Different Knee Arthroplasty Procedures for Osteoarthritis from 2010 to 2019  
*Samuel Fuller, BS, George Washington University School of Medicine and Health Sciences*

8:24 am – 8:28 am 146 - Crohn's Increases In-Hospital Stay Lengths, Complications, and Costs following TKA  
*Bana Hadid, ScB, School of Medicine, State University of New York Downstate Medical Center*

8:28 am – 8:32 am 266 - Trends in Opioid vs. Non-Opioid Use following Total Knee Arthroplasty (TKA)  
*Ameen Z. Khalil, MS, George Washington University*

8:32 am – 8:35 am Discussion

**RAPID FIRE SESSION 5E – Total Hip**

**Moderators:** Michael P. Bolognesi, MD, *Duke University*

James A. Keeney, MD, *Missouri Orthopaedic Institute*

- 8:05 am – 8:09 am 279 - Direct Anterior Approach is Associated with Lower Dislocation Risk after Primary Total Hip Arthroplasty in Patients with Prior Lumbar Spine Fusion  
*Benjamin Wilke, MD, Mayo Clinic*
- 8:09 am – 8:13 am 244 - Periprosthetic Fractures in Cemented vs. Uncemented Hip Arthroplasty  
*Patrick B. Curtin, MD, University of Massachusetts*
- 8:13 am – 8:17 am 177 - Location of Initial Closed Reduction Attempt Increases Cost In THA  
*Eric Dilbone, MD, BE, Vanderbilt University Medical Center*
- 8:17 am – 8:20 am Discussion
- 8:20 am – 8:24 am **SOA Resident Travel Grant Award**  
254 - A Novel Method for Stratification of Major Complication Risk using Body Mass Index Thresholds for Patients Undergoing Total Hip Arthroplasty: A National Cohort of 224,413 Patients  
*Andrew Harris, MD, Johns Hopkins Orthopaedic Surgery*
- 8:24 am – 8:28 am 274 - A Comparison of Precision in Total Hip Arthroplasty Component Placement Based on Surgical Approach  
*Benjamin Wilke, MD, Mayo Clinic*
- 8:28 am – 8:32 am 16 - Flat Panel Fluoroscopy Effectiveness in Direct Anterior Total Hip Arthroplasty  
*Zachary A. Gapinski, MD, Orlando Health*
- 8:32 am – 8:35 am Discussion

### **CONCURRENT SYMPOSIUM 9A: Shoulder Instability**

**Moderator:** Michael J. O'Brien, MD, *Tulane University*

- 8:40 am – 8:48 am History of Arthroscopic Stabilization, Change is Good  
*Felix H. "Buddy" Savoie III, MD, Tulane Orthopaedics*
- 8:48 am – 8:56 am Treatment of the 1st-Time Dislocator  
*Vani J. Sabesan, MD, Cleveland Clinic Florida*
- 8:56 am – 9:04 am Anterior Instability in the Contact Athlete  
*W. Stephen Choate, MD, Ochsner Sports Medicine Institute*
- 9:04 am – 9:12 am Traumatic Posterior Instability  
*Kevin W. Farmer, MD, University of Florida*

9:12 am – 9:20 am                      Instability After Reverse Shoulder Arthroplasty  
*Howard D. Routman, MD, Palm Beach Shoulder Service*

9:20 am – 9:25 am                      Discussion

**CONCURRENT SYMPOSIUM 9B: Soft Tissue Masses: A Visual Guide to the Good, the Bad, and the Ugly**

**Moderator:**   Ginger E. Holt, MD, *Vanderbilt University*

8:40 am – 8:50 am                      Introduction and Why You Don't Want to Miss an STS  
*Ginger E. Holt, MD, Vanderbilt University*

8:50 am – 9:00 am                      Imaging of Soft Tissue Masses  
*Cynthia L. Emory, MD, MBA, Wake Forest University School of Medicine*

9:00 am – 9:10 am                      Top 10 STS Mimics  
*Alexandra K. Callan, MD, UT Southwestern Medical Center*

9:10 am – 9:25 am                      Cases & Discussion

9:25 am – 9:50 am                      ***Break – Please visit Exhibits***

**RESIDENT AWARD SESSION**

**Moderator:**   Deryk G. Jones, MD, *Ochsner Sports Medicine Institute*  
                      H. Clayton Thomason III, MD, *Carolina Orthopaedic & Sports Medicine*

9:50 am – 9:56 am                      **SOA Presidents' Resident Award**  
450 - Virtual Reality Use in Pediatric Patients for Orthopedic  
Clinical Procedures: A Randomized Prospective Trial of Efficacy  
*Bhumit R. Desai, MD, Ochsner Medical Center*

9:56 am – 10:02 am                      **Harley & Betty Baxter Resident Award**  
197 - Interscalene Block with Liposomal Bupivacaine vs.  
Continuous Interscalene Catheter in Primary Total Shoulder  
Arthroplasty  
*Jay M. Levin, MD, Duke University*

10:02 am – 10:08 am                      **Harley & Betty Baxter Resident Award**  
130 - Patient-Reported Outcomes Survivorship at Minimum Ten-  
Year Follow-Up in Patients with Borderline Dysplasia Following  
Primary Hip Arthroscopy  
*David R. Maldonado, MD, American Hip Institute*

10:08 am – 10:14 am                      **SOA/OREF Resident Award**

181 - Outcomes of Close Reduction and Casting of Pediatric Tibia Shaft Fractures: Report from Two Large Trauma Centers  
*Daniel Pereira, MD, Washington University Orthopaedics*

10:14 am – 10:20 am

**SOA/OREF Resident Award**

182 - Effects of Metacarpophalangeal Arthrodesis on Thumb Ligament Reconstruction Tendon Interposition  
*Eric Taris, DO, East Tennessee State University*

10:20 am – 10:26 am

**SOA/OREF Resident Award**

259 - Liposomal Bupivacaine Provides Better Comfort than Interscalene Catheter following Arthroscopic Shoulder Surgery  
*Kevin C. Wall, MD, MPH, University of Alabama at Birmingham*

10:26 am – 10:35 am

Discussion

**GENERAL SESSION 5: BOC Report and Presidential Address**

**Moderator:** Deryk G. Jones, MD, *Ochsner Sports Medicine Institute*

*\*CME Credit Not Available*

10:35 am - 10:45 am

**BOC Report**

*Michael P. Horan, MD, Prisma Health Orthopedics*

10:45 am - 10:50 am

**Introduction of Presidential Address**

*Deryk G. Jones, MD, Ochsner Sports Medicine Institute*

10:50 am - 11:20 am

**Presidential Address**

*Andrew A. Shinar, MD, Vanderbilt Orthopaedic Institute*

11:20 am – 11:50 am

**Focused Lunch Presentation**

*\*CME Credit Not Available*

**CONCURRENT SYMPOSIUM 10A: Hand**

**Moderator:** Abhinav Bobby Chhabra, MD, *University of Virginia*

11:50 am – 12:00 pm

Advances in the Treatment of Hand, Wrist, & Elbow Trauma  
*Peter J. Apel, MD, PhD, Carilion Orthopaedics*

12:00 pm – 12:10 pm

Advances in the Treatment of Nerve Injuries  
*John Li, MD, PhD, Wake Forest*

12:10 pm – 12:20 pm

Advances in the Treatment of Sports Injuries to the Hand, Wrist & Elbow  
*Abhinav Bobby Chhabra, MD, University of Virginia*

12:20 pm – 12:30 pm

Biologics and Their Use in Upper Extremity Injuries, the Future

*L. Andrew Koman, MD, Wake Forest University*

12:30 pm – 12:35 pm Discussion

**CONCURRENT SYMPOSIUM 10B: Pediatrics**

**Moderator:** Megan E. Johnson, MD, *Scottish Rite for Children*

11:50 pm – 11:57 am Pediatric Upper Extremity Fractures  
*Amy L. McIntosh, MD, Scottish Rite for Children*

11:57 am – 12:04 pm Pediatric Lower Extremity Fractures  
*Joshua S. Murphy, MD, Children's Healthcare of Atlanta*

12:04 pm – 12:11 pm Pediatric Hip Conditions  
*William Z. Morris, MD, Scottish Rite for Children*

12:11 pm – 12:18 pm The Pediatric/Adolescent Athlete  
*Kendall E. Bradley, MD, Duke University*

12:18 pm – 12:25 pm Pediatric Orthopedic Conditions Not to Miss in Clinic  
*Craig R. Louer, MD, Vanderbilt University Medical Center*

12:25 pm – 12:35 pm Discussion

**RAPID FIRE SESSION 6A – Shoulder & Elbow**

**Moderators:** Eric W. Carson, MD, *Washington University Physicians*  
Michael J. O'Brien, MD, *Tulane University*

12:40 pm – 12:44 pm 394 - Obesity Negatively Affects Outcomes following  
Arthroscopic Rotator Cuff Repair at Four-Year Follow-Up  
*Nata Parnes, MD, Carthage Area Hospital*  
*\*Presented by Steven Kurapaty*

12:44 pm – 12:48 pm 145 - Metabolic Syndrome: Is Arthroscopic Rotator Cuff Repair  
Safe in these Patients?  
*Theodore Quan, BS, George Washington University*

12:48 pm – 12:52 pm 325 - Surgical Outcomes for Arthroscopic Olecranon Bursectomy  
in the Treatment of Recalcitrant Olecranon Bursitis  
*Patrick W. Joyner, MD, MS, University of Central Florida*

12:52 pm – 12:55 pm Discussion

12:55 pm – 12:59 pm 210 - Stepwise Increase of International Normalized Ratio  
Escalates the Risks of Complications following TSA  
*Theodore Quan, BS, George Washington University*

- 12:59 pm – 1:03 pm 397 - The Transition to Outpatient Total Shoulder Arthroplasty  
*Nata Parnes, MD, Carthage Area Hospital*  
*\*Presented by Steven Kurapaty*
- 1:03 pm – 1:07 pm 203 - Suprascapular Neuropathy: Two Distinct Presentations and Outcomes of Decompression  
*Conor F. McCarthy, MD, Walter Reed National Military Medical Center*
- 1:07 pm – 1:10 pm Discussion

**RAPID FIRE SESSION 6B – Spine**

**Moderators:** Gregory Grabowski, MD, *Palmetto Health at USC*  
Christopher A. Heck, MD, *Southlake Orthopaedics*

- 12:40 pm – 12:44 pm 364 - Late-Week Multi-Level ACDF is Associated with Increased Length of Stay  
*Evan Miller, MD, Wake Forest Baptist Health*
- 12:44 pm – 12:48 pm 207 - Mortality of Operative Spinal Fractures in COVID-19 Positive Patients Using Data from a US National Database  
*Logan A. Reed, BS, University of Alabama at Birmingham*
- 12:48 pm – 12:52 pm 127 - Elixhauser Comorbidity Index Score Correlates with Complications following Lumbar Fusion  
*Geoffrey Cloud, MSc, BA, State University of New York Downstate College of Medicine*
- 12:52 pm – 12:55 pm Discussion
- 12:55 pm – 12:59 pm 409 - Does Upper Instrumented Vertebrae Impact Outcomes of Fusion to Sacrum?  
*Oscar Covarrubias, BS, Johns Hopkins University School of Medicine*
- 12:59 pm – 1:03 pm 33 - Enhanced Recovery Pathway for Elective Spine Surgery  
*Logan A. Reed, BS, University of Alabama at Birmingham*  
*\*Presented by Connor J. Donley, MSc*
- 1:03 pm – 1:07 pm 352 - Emergency Department Visits after Outpatient Spine Surgery  
*Daniel Badin, MD, Johns Hopkins University*  
*\*Presented by Carlos Ortiz-Babilonia, BS*
- 1:07 pm – 1:10 pm Discussion

## **RAPID FIRE SESSION 6C – Sports Medicine**

**Moderator:** Craig H. Bennett, MD, *University of Maryland Medical Center*  
Brian C. Werner, MD, *University of Virginia*

- 12:40 pm – 12:44 pm      436 - Season-Impacting Injuries in the Women’s National Basketball Association (WNBA) from 2019 to 2021  
*Gabriel Lama, BS, Cleveland Clinic Florida*
- 12:44 pm – 12:48 pm      449 - Risk Factors for Anterior Cruciate Ligament Tears in Women’s National Basketball Association Players  
*Payton Yerke, BS, Cleveland Clinic Florida*
- 12:48 pm – 12:52 pm      226 - Results of Meniscal Transplant over a 13-Year Study Period  
*Bhumit R. Desai, MD, Ochsner Medical Center*
- 12:52 pm – 12:55 pm      Discussion
- 12:55 pm – 12:59 pm      14 - Treatment of Osteochondritis Dessicans of the Capitellum Using BioCartilage  
*Baylor E Blickenstaff, MD, Marshall University School of Medicine*
- 12:59 pm – 1:03 pm      427 – Short-Term Results after Missouri Osteochondral Preservation System for Symptomatic Chondral Lesions  
*Bhumit R. Desai, MD, Ochsner Medical Center*
- 1:03 pm – 1:07 pm      117 - Depression and Anxiety Predict Worse Baseline Function in Hip Arthroscopy  
*Samir Kaveeshwar, BA, University of Maryland School of Medicine*  
*\*Presented by R. Frank Henn III, MD*
- 1:07 pm – 1:10 pm      Discussion

## **RAPID FIRE SESSION 6D – Foot & Ankle**

**Moderators:** Shawn R. Gilbert, MD, *University of Alabama at Birmingham*  
James A. Nunley, MD, *Duke University*

- 12:40 pm – 12:44 pm      240 - Treatment of 43C Pilon Fractures with Hindfoot Nailing vs. ORIF  
*David A. Patch, MD, ATC, Med, University of Alabama at Birmingham*  
*\*Presented by Rodney Y. Arthur, BS*
- 12:44 pm – 12:48 pm      396 - Calcaneus Fractures: Outcomes after Percutaneous Kirshner Wire vs. Screw Fixation

*Mariel M. Rickert, MD, Vanderbilt University Medical Center*

- 12:48 pm – 12:52 pm      356 - Is Patient Resilience Associated with Improved Outcomes following Brostrom-Gould?  
*Ashish Shah, MD, University of Alabama at Birmingham*
- 12:52 pm – 12:55 pm      Discussion
- 12:55 pm – 12:59 pm      **Cynthia L. Lichtefeld Resident Travel Grant Award**  
195 - Evaluation of Achilles Tendon Stiffness as Measured by Shear Wave Elastography in Female College Athletes Compared to Non-Athletes  
*Alyssa D. Althoff, MD, University of Virginia*
- 12:59 pm – 1:03 pm      9 - Patient-Related Risk Factors for Primary MTP Arthroplasty Revision to MTP Arthrodesis  
*Alyssa D. Althoff, MD, University of Virginia*
- 1:03 pm – 1:07 pm      23 - Orthopaedic Foot and Ankle Surgery Leadership Trends  
*Aman Chopra, Georgetown University School of Medicine*
- 1:07 pm – 1:10 pm      Discussion

**RAPID FIRE SESSION 6E – Total Joint**

**Moderators:** James A. Keeney, MD, *Missouri Orthopaedic Institute*  
Umasuthan Srikumaran, MD, *Johns Hopkins University*

- 12:40 pm – 12:44 pm      251 - Telemedicine Utilization Trends in a Multi-Site Academic Orthopaedic Surgery Department throughout the COVID-19 Pandemic  
*Andrew Harris, MD, Johns Hopkins Orthopaedic Surgery*
- 12:44 pm – 12:48 pm      80 - Limited Impact of Orthopaedic Surgeons on National Institutes of Health Grant Funding for Total Joint Arthroplasty Research  
*Jason Silvestre, MD, Howard University Hospital*  
*\*Presented by Roxana Martinez, MD*
- 12:48 pm – 12:52 pm      317 - Enterobacter: An Early-Onset Pathogen of Prosthetic Hip and Knee Infections  
*Isabel P. Prado, BS, MS, Duke University School of Medicine*
- 12:52 pm – 12:55 pm      Discussion
- 12:55 pm – 12:59 pm      280 - Pseudomonas Prosthetic Joint Infections: Poor Outcomes for Most Patients



*Billy Kim, BA, Duke University School of Medicine*

12:59 pm – 1:03 pm

442 - The Growth of Medicare Advantage Plans May Limit Access to Orthopaedic Joint Replacements

*Sarah Girshfeld, BA, Cleveland Clinic Florida*

1:03 pm – 1:07 pm

237 - Impact of Adult Reconstructive Orthopaedics Fellowship Training on Surgical Case Volume

*Jason Silvestre, MD, Howard University Hospital*

1:07 pm – 1:10 pm

Discussion

1:10 pm – 2:40 pm

**Scientific E-Poster Session**