

**SOA Scientific Program**  
**Wild Dunes**  
**July 21-24, 2021**  
(Presenters and times are subject to change.)

**Thursday, July 22, 2021**

- 6:00 am – 7:00 am            **Scientific E-Poster Session**
- 7:00 am – 7:15 am           **First Business Meeting**
- 7:15 am – 7:20 am           **Welcome and Announcements**  
*Jeffrey A. Guy, MD, President*  
*Michael J. O'Brien, MD, Program Chair*

**SYMPOSIUM 1: Joints**

Moderator: Paul F. Lachiewicz, MD, *Duke University*

- 7:20 am – 7:28 am           **Robotic Surgery Now for Total Knee Arthroplasty?**  
*James A. Browne, MD, University of Virginia*
- 7:28 am – 7:36 am           **Intra-osseous Antibiotic for Primary and Revision Knee Arthroplasty**  
*Stephen J. Incavo, MD, Houston Methodist Hospital*
- 7:36 am – 7:44 am           **Pain Management after Knee Arthroplasty**  
*Paul F. Lachiewicz, MD, Duke University*
- 7:44 am – 7:52 am           **Uncemented Components for Primary Knee Arthroplasty**  
*Ryan M. Nunley, MD, Washington University*
- 7:52 am – 8:00 am           **Dual Mobility Components in Primary Hip Arthroplasty: when should they be used?**  
*Samuel Wellman, MD, Duke University*
- 8:15 am – 8:45 am           **Focused Breakfast Presentation - Heron**  
**The Future of Postoperative Pain Management in Orthopaedics**  
*Paul F. Lachiewicz, MD, Duke University*  
\*CME Credit Not Available

**GENERAL SESSION 1: Operationalizing Surgical Sites of Service: In-Patient, HOPD, ASC Migration**

Moderator: Marney Reid, *Surgical Care Affiliates*

- 8:45 am – 9:35 pm           **Panel: Cynthia L. Emory, MD Wake Forest University**  
*Ryan M. Nunley, MD, Washington University*  
*Henry Clayton Thomason III, MD, Carolina Orthopaedic & Sports Medicine*
- 9:35 am – 9:55 am           **Break – Please visit Exhibits**

## **GENERAL SESSION 2: OREF Report & Presidential Guest Speaker**

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

- 9:55 am – 10:00 am           **OREF Report**
- 10:00 am – 10:05 am       **Introduction of Presidential Guest Speaker**  
*Jeffrey A. Guy, MD, University of South Carolina*
- 10:05 am – 10:55 am       **Presidential Guest Speaker**  
Louis Holtz
- 10:55 am – 11:15 am*       **Break – Please visit Exhibits**

## **SYMPOSIUM 2: Sports**

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

- 11:15 am – 11:27 am       Revision ACL Surgery: what have we learned?  
*Rick W. Wright, MD, Vanderbilt University*
- 11:27 am – 11:39 am       Anterior Shoulder Instability: current treatment recommendations  
*Scott D. Mair, MD, University of Kentucky*
- 11:39 am – 11:51 am       UCL Injuries: Should I Repair or Reconstruct?  
*E. Lyle Cain, MD, Andrews Sports Medicine*
- 11:51 am – 12:03 pm       Hip Arthroscopy in Athletes: A Personal Journey  
*J. W. Thomas Byrd, MD, Nashville Sports Medicine & Orthopaedic Center*
- 12:03 pm – 12:15 pm       Case Presentations/Discussion
- 12:15 pm – 12:45 pm       **Focused Lunch Presentation**  
\*CME Credit Not Available

## **CONCURRENT SYMPOSIUM 3A: Pediatrics**

Moderator: Michael P. Horan, MD, *Palmetto Health*

- 12:50 pm – 1:50 pm       **SPEAKERS:**  
*Brian K. Brighton, MD, MPH, OrthoCarolina*  
*Christopher C. Bray, MD, Prisma Health*  
*Kevin A. Williams, MD, Alabama Children's Pediatric Orthopaedics*  
*Joanna J. Horstman, MD, Children's Hospital of Richmond*

## **CONCURRENT SYMPOSIUM 3B: Orthobiologics**

Moderator: Austin V. Stone, MD, PhD, *University of Kentucky*

- 12:50 pm – 1:02 pm       Regulatory and Reimbursement Challenges with Orthobiologics  
*Kevin W. Farmer, MD, University of Florida*
- 1:02 pm – 1:14 pm       Orthobiologic Use in the Shoulder and Elbow  
*Brian R. Waterman, MD, Wake Forest School of Medicine*

- 1:14 pm – 1:26 pm Orthobiologics as Surgical Adjunct  
*Jonathan C. Riboh, MD, OrthoCarolina*
- 1:26 pm – 1:38 pm Update on Orthobiologics for the Knee  
*Austin V. Stone, MD, PhD, University of Kentucky*
- 1:38 pm – 1:50 pm Case Presentations/Discussion

**RAPID FIRE SESSION 1A: Total Joints**

- 1:55 pm – 1:59 pm 5 - Unexpected High Rate of Revision of a Modern Cemented TKA  
*Paul F. Lachiewicz, MD, Duke University*
- 1:59 pm – 2:03 pm 321 - Jehovah's Witnesses May Experience Increased Rates of Periprosthetic Joint Infections  
*Lefko T. Charalambous, BS, Duke University Medical Center*
- 2:03 pm – 2:07 pm 121 - Effect of Commonly Used Lavage Solutions on Bone Cement Polymerization  
*Mark Wu, MD, Duke University Hospital*
- 2:07 pm – 2:11 pm 168 - Latex Allergy as an Independent Risk Factor for Prosthetic Joint Infections  
*Sione A. Ofa, BS, Tulane University School of Medicine*
- 2:11 pm – 2:15 pm Discussion
- 2:15 pm – 2:19 pm 389 - Single-Stage Revision Arthroplasty is a Viable Alternative to Two-Stage in Prosthetic Joint Infection (PJI)  
*Kurt Madzunovic, DO, University of Minnesota/ Regions Hospital*
- 2:19 pm – 2:23 pm 337 - Reimbursements for Revision Total Hip Arthroplasty have Increased for Hospitals but not for Surgeons  
*Emanuel C. Haug, MD, University of Virginia*
- 2:23 pm – 2:27 pm 327 - Trends in Hospital and Surgeon Charges and Reimbursements for Revision Total Knee Arthroplasty  
*Nicole D. Quinlan, MD, MS, University of Virginia Health System*
- 2:27 pm – 2:31 pm 266 - Economic Burden of Patient-Reported Penicillin Allergy in Total Joint Arthroplasty  
*Jonathan Paul, BS, Tulane University School of Medicine*
- 2:31 pm – 2:35 pm Discussion

**RAPID FIRE SESSION 1B: Trauma**

- 1:55 pm – 1:59 pm 151 - Lumbosacral Fusion Increases Dislocation and Revision following THA for FNF  
*Tom Pollard, MD, George Washington University*

- 1:59 pm – 2:03 pm 111 - Risk Factors for Infection after Operatively Treated Subtalar Fracture Dislocations  
*Eli B. Levitt, MS, University of Alabama at Birmingham*
- 2:03 pm – 2:07 pm 9 - Risk Factors for Infection and Revision Surgery Following Patellar Tendon and Quadriceps Tendon Repairs. An Analysis of 5878 Patients  
*Alyssa D. Althoff, MD, University of Virginia*
- 2:07 pm – 2:11 pm 105 - Similar Complication Rates Between Plating and Nailing Humeral Shaft Fractures  
*Travis R. Flick, MD, Tulane University School of Medicine*
- 2:11 pm – 2:15 pm Discussion
- 2:15 pm – 2:19 pm 280 - Post-Traumatic AVN in Talar Neck Fractures with Proximal Body Extension  
*Charles A. Mechas, MD, University of Kentucky*
- 2:19 pm – 2:23 pm 354 - Pragmatic Protocol for Evaluation and Treatment of Femoral Neck Fractures in Patients with Ipsilateral Femoral Shaft Fractures  
*Richard D. Williams, MD, University of South Alabama*
- 2:23 pm – 2:27 pm 317 - Ballistic Humeral Fractures: Experiences from a Level 1 Trauma Center  
*Kyle Paul, BS, University of Alabama at Birmingham*
- 2:27 pm – 2:31 pm 319 - Intradepartmental Orthopaedic Fragility Fracture Liaison Improves Osteoporosis Follow-Up and Treatment  
*Annemarie C. Galasso, MD, Medical University of South Carolina*
- 2:31 pm – 2:35 pm Discussion

### **RAPID FIRE SESSION 1C: Foot & Ankle**

- 1:55 pm – 1:59 pm 20 - High Rate of Talar Collapse in STAR Total Ankle  
*Daniel J. Scott, MBA, MD, Medical University of South Carolina*
- 1:59 pm – 2:03 pm 260 - Opioid Usage after Hallux Valgus Correction Surgery  
*J. Benjamin Jackson III, MD, Prisma Health, University of South Carolina*
- 2:03 pm – 2:07 pm 250 - Risk Factors of Falls after Foot & Ankle Surgery  
*Nicholas A. Andrews, University of Alabama at Birmingham*
- 2:07 pm – 2:11 pm 136 - Primary Arthrodesis vs. Open Reduction and Internal Fixation for Lisfranc Injuries  
*Ashley Dawson, University of Kentucky*
- 2:11 pm – 2:15 pm Discussion

- 2:15 pm – 2:19 pm 141 - Tranexamic Acid Associated with Less Wound Complications in Hindfoot Surgery  
*Andrew Moore, BS, Medical University of South Carolina*
- 2:19 pm – 2:23 pm 246 - WBCT Can Diagnose Syndesmotic Instability in Patients with Weber B Lateral Malleolar Fractures  
*Rohan Bhimani, MD, MBA, Massachusetts General Hospital*
- 2:23 pm – 2:27 pm 85 - Frailty as a Predictor of Complications following Total Ankle Arthroplasty  
*Lauren Lewis, MD, MPH, University of Texas Medical Branch*
- 2:27 pm – 2:31 pm 134 - Epidemiology of Insertional Achilles Tendinosis in Patients Requiring Surgical Intervention  
*Bryce Kunkle, BS, Medical University of South Carolina*
- 2:31 pm – 2:35 pm Discussion

**RAPID FIRE SESSION 1D: Hand & Wrist**

- 1:55 pm – 1:59 pm 273 - Screening for Amyloidosis during Carpal Tunnel Release  
*John D. King, MD, Wake Forest Baptist Health*
- 1:59 pm – 2:03 pm 78 - Distal Radius Fractures the Athletes Treated with Percutaneous Threaded Pins  
*Patrick M. Luchini, MD, West Virginia University*
- 2:03 pm – 2:07 pm 335 - Intramedullary Headless Compression Screw Fixation for Metacarpal Fractures: A Systematic Review  
*G. Jacob Wolf, MD, Medical University of South Carolina*
- 2:07 pm – 2:11 pm 33 - Are We Working Harder for Less Pay? A Survey of Medicare Reimbursement for Hand and Upper Extremity Surgery  
*Suresh K. Nayar, MD, Johns Hopkins Hospital*
- 2:11 pm – 2:15 pm Discussion
- 2:15 pm – 2:19 pm 142 - Comparison of Two Bone Anchors for the Management of Basal Thumb Arthritis  
*Agustin Herber, Burrell College of Osteopathic Medicine*
- 2:19 pm – 2:23 pm 204 - Risk Factors for Distal Radius Osteotomy Non-Union  
*Desraj M. Clark, MD, Walter Reed National Military Medical Center*
- 2:23 pm – 2:27 pm 117 - Complications following Non-Operative and Operative Management of Hamate Fractures  
*Canhnghi Ta, Tulane University School of Medicine*
- 2:27 pm – 2:31 pm 274 - Arthroscopic vs. Open Treatment of Septic Wrist Arthritis: Impact on Length of Stay and Post-Operative Admission  
*Francis Bustos, MD, University of Virginia*

2:31 pm – 2:35 pm Discussion

**RAPID FIRE SESSION 1E: Pediatrics**

1:55 pm – 1:59 pm 309- Immobilization in Toddler’s Fractures – Is Less More?  
*Carsen R. Cash, BS, Vanderbilt University School of Medicine*

1:59 pm – 2:03 pm 51 - Clinical Course of Pseudosubluxation in Pediatric Proximal Humerus Fractures  
*Shawn Gilbert, MD, University of Alabama at Birmingham*

2:03 pm – 2:07 pm 53 - A Novel Approach to Postoperative Pain Management Following Spinal Fusion for Adolescent Idiopathic Scoliosis  
*Stefano Cardin, MD, Orlando Health*

2:07 pm – 2:11 pm 28 - Flexible vs. Rigid Intramedullary Nailing of Tibial Shaft Fractures in Skeletally Immature Adolescents  
*Layla Haidar, BSA, University of Texas Health Orthopaedics*

2:11 pm – 2:15 pm Discussion

2:15 pm – 2:19 pm 124 - Post-Operative Changes in Curve Magnitude: Real or Imagined?  
*Kendall Anigian, MD, University of Texas Southwestern*

2:19 pm – 2:23 pm 279 - Diagnostic Utility of Cultures in Pediatric Patients with Necrotizing Fasciitis  
*Samuel R. Johnson, BS, Vanderbilt University Medical Center*

2:23 pm – 2:27 pm 295 - Which Pediatric Elbow Fracture Needs Additional Investigation for Intercondylar Split?  
*Rachel Windmueller, BS, Vanderbilt University Medical Center*

2:27 pm – 2:31 pm 50 - Revisiting Hooks at the Upper Instrumented Level in Adolescent Idiopathic Scoliosis  
*Tyler C. White, MD, Louisiana State University Health Science Center*

2:31 pm – 2:35 pm Discussion

**SOA Round Table Discussion 1**

Moderators: Oke A. Anakwenze, MD, MBA, *Duke University*  
Guillaume D. Dumont, MD, *Palmetto Health USC Orthopaedic Center*  
Cynthia L. Emory, MD, MBA, *Wake Forest University*

2:40 pm – 3:40 pm School for Orthopods

3:40 pm – 4:40 pm **Scientific E-Poster Session**

4:40 pm – 5:40 pm **Multimedia Education Session**

**Friday, July 23, 2021**

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

7:00 am – 7:05 am                   **Announcements**  
*Michael J. O'Brien, MD, Program Chair*

**SYMPOSIUM 4: Trauma**

Moderator: Paul Gladden, MD, *Tulane University School of Medicine*

7:05 am – 8:00 am                   Debates:  
Tibia Fx: Nail vs. Plate  
Open Fractures: Fix vs. DCO  
Hip Fractures: Fix vs. Replace

8:00 am – 8:30 am                   **Focused Breakfast Presentation**  
\*CME Credit Not Available

**RESIDENT AWARD SESSION 1: SOA Donor Awards**

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

8:35 am – 8:40 am                   **Andrew A. Shinar, MD Donor Award**  
353 - Static Non-Articulating Knee Spacers are Associated with a High Degree of Morbidity  
*Emanuel C. Haug, MD, University of Virginia Health System*

8:30 am – 8:35 am                   **Jeffrey A. Guy, MD Donor Award**  
247 - Meniscal Root Reconstruction: An Analysis of Pre- and Post-Operative Patient-Reported Outcomes  
*Logan Huff, MD, Prisma Health-Midlands University of South Carolina*

8:40 am – 8:45 am                   **Darren L. Johnson, MD Donor Award**  
382 - Quantifying Pre-Operative Care Delivered in Hip and Knee Arthroplasty  
*Hayden Joseph, MD, Vanderbilt University Medical Center*

8:45 am – 8:50 am                   **Michael J. O'Brien, MD Donor Award**  
39 - An Integrated Educational and Multimodal Approach to Achieve an Opioid Free Postoperative Course Following Arthroscopic Rotator Cuff Repair  
*Laila Khoury, Cleveland Clinic Florida*

8:50 am – 8:55 am                   **L. Andrew Koman, MD Donor Award**  
54 - Comparing Threaded Pin and Volar Plate Fixation of Distal Radius Fractures  
*Patrick M. Luchini, MD, West Virginia University*

8:55 am – 9:00 am                   Discussion

9:00 am – 9:05 am                   **Lee R. Leddy, MD Donor Award**  
248 - Thermal Output of Oscillation vs. Forward Drilling of Bone

*Suman Medda, MD, Wake Forest Baptist Medical Center*

- 9:05 am – 9:10 am      **Scott D. Mair, MD Donor Award**  
148 - THA vs. Hemiarthroplasty for FNF in Patients with Lumbosacral Fusion  
*Tom Pollard, MD, The George Washington University*
- 9:10 am – 9:15 am      **Benjamin A. Alman, MD Name Donor Award**  
11 - Economic Trends of Patients Undergoing Anatomic Total Shoulder Arthroplasty  
*Samuel J. Swiggett, MD, Maimonides Medical Center*
- 9:15 am – 9:20 am      **H. Clayton Thomason III, MD Donor Award**  
365 - Unexpected Wear of a Moderately Crosslinked Polyethylene in THA  
*Ram R. Yakkanti, MD, University of Miami*
- 9:20 am – 9:25 am      **E. Lyle Cain, MD Donor Award**  
24 - Beach Chair vs. Lateral Decubitus Positioning for Primary Arthroscopic Anterior Shoulder Stabilization: A Consecutive Series of 641 Shoulders  
*Bobby G. Yow, MD, Walter Reed National Military Medical Center*
- 9:25 am – 9:30 am      Discussion
- 9:30 am – 9:50 am      **Break – Please visit Exhibits**

**GENERAL SESSION 3: AAOS Report & Distinguished Southern Orthopaedist**

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

- 9:50 am - 10:05 am      **AAOS Report**
- 10:05 am – 10:10 am      **Introduction of Distinguished Southern Orthopaedist**  
*Jeffrey A. Guy, MD, University of South Carolina*
- 10:10 am – 10:55 am      **Distinguished Southern Orthopaedist**  
*Claude T. Moorman III, MD, Atrium Health*
- 10:55 am – 11:15 am      **Break – Please visit Exhibits**

**SYMPOSIUM 5: Diversity**

Moderator: Letitia L. Bradford, MD, *Nth Dimensions*

- 11:15 am – 12:05 pm      Gladden Society Rep  
Perry Initiative Rep  
Nth Dimensions Rep  
Eric W. Carson, MD, *Washington University Physicians*  
Paul Gladden, MD, *Tulane University School of Medicine*
- 12:10 pm – 12:40 pm      **Focused Lunch Presentation**  
\*CME Credit Not Available



## **CONCURRENT SYMPOSIUM 6A: Shoulder**

Moderator: Michael Kissenberth, MD, *Steadman Hawkins Clinic of the Carolinas*

12:45 pm – 1:35 pm            TBD

## **CONCURRENT SYMPOSIUM 6B: Foot & Ankle**

Moderator: J. Benjamin Jackson III, MD, *Prisma Health Orthopaedics*

12:45 pm – 1:35 pm            TBD

## **RAPID FIRE SESSION 2A: Sports Medicine**

- 1:40 pm – 1:44 pm            123 - Amniotic Tissue Preserves Pain Relief and Function Compared to Steroid in Severe Knee Osteoarthritis: A Double-Blind, Randomized Prospective Study  
*Stephan G. Pill, MD, Hawkins Foundation*
- 1:44 pm – 1:48 pm            222 - Increased Complications with Bilateral Rotator Cuff Repair within Three Months  
*Brian C. Werner, MD, University of Virginia*
- 1:48 pm – 1:52 pm            232 - Measurement of Acetabular Labral Blood Flow Using Laser Doppler Flowmetry Before and After Arthroscopic Labral Repair  
*Michael Kucharik, Massachusetts General Hospital*
- 1:52 pm – 1:56 pm            237 - Novel Procedure Using Viable Allograft for Focal Cartilage Defects  
*Bhumit R. Desai, MD, Ochsner Medical Center*
- 1:56 pm – 2:00 pm            Discussion
- 2:00 pm – 2:04 pm            258 - Preoperative Templating of Anterior Cruciate Ligament Reconstruction Based on a Lateral Knee X-Ray: Technique and Results  
*Frederic B. Mills, MS, Palmetto Health, University of South Carolina Orthopaedic Center*
- 2:04 pm – 2:08 pm            23 - Reducing Opioids Following Sports Procedures Lowers Consumption Without Impacting Pain  
*Ryan H. Barnes, MD, University of North Carolina at Chapel Hill*
- 2:08 pm – 2:12 pm            26 - Progression to Glenohumeral Arthritis after Arthroscopic Anterior Stabilization in a Young and High Demand Population  
*Bobby G. Yow, MD, Walter Reed National Military Medical Center*
- 2:12 pm – 2:16 pm            57 - Outcomes in Arthroscopic Rotator Cuff Repair in Opioid Use Disorder Patients  
*Eric Roth, MD, Maimonides Medical Center*
- 2:16 pm – 2:20 pm            Discussion

## **RAPID FIRE SESSION 2B: Trauma**

1:40 pm – 1:44 pm	158 -Offset Change Following SHS vs. CMN Fixation in Hip Fractures <i>Tom Pollard, MD, George Washington University</i>
1:44 pm – 1:48 pm	133 - COVID-ORTHO: Postoperative Mortality in the COVID-Positive Hip Fracture Patient <i>Alexander Isla, BS, University of Kentucky</i>
1:48 pm – 1:52 pm	128 - ORIF vs. Fusion Nail for High Risk Geriatric Ankle Fractures <i>Thomas M. Large, MD, Mission Hospital</i>
1:52 pm – 1:56 pm	135 - Effect of the Intertan Proximal Setscrew for Intertrochanteric Femur Fractures <i>Daniel J. Ross, MD, University of South Carolina / Prisma Health</i>
1:56 pm – 2:00 pm	Discussion
2:00 pm – 2:04 pm	139 - Prospective One-Year Outcome Study on 3- and 4-Part Proximal Humerus Fracture Fixation Using an Intramedullary Cage <i>Sanjana Vattigunta, BA, Johns Hopkins Orthopedics</i>
2:04 pm – 2:08 pm	140 - Modulating the Inflammatory Response to Trauma to Reduce Opioid Use <i>Maxwell Boyle, BS, University of Kentucky</i>
2:08 pm – 2:12 pm	194 - Risk Factors for Treatment Failure of Fracture Related Infections <i>Benjamin W. Hoyt, MD, Walter Reed National Military Medical Center</i>
2:12 pm – 2:16 pm	306 - Preoperative Malnutrition Negatively Affects Outcomes after Non-Displaced Femoral Neck Fractures <i>Chukwuweike U. Gwam, MD, Wake Forest School of Medicine</i>
2:16 pm – 2:20 pm	Discussion

### **RAPID FIRE SESSION 2C: Shoulder & Elbow**

1:40 pm – 1:44 pm	118 - Outcomes, Risk Factors and Costs Associated with a Transition to Outpatient Shoulder Arthroplasty <i>Daniel E. Goltz, MD, MBA, Duke University</i>
1:44 pm – 1:48 pm	174 - RVUs and Reimbursement for Primary and Revision TSA <i>Theodore Quan, George Washington University</i>
1:48 pm – 1:52 pm	372 - Clinical Outcomes of Collagen Patch in Partial Rotator Cuff Repair <i>Brennan Gagen, BS, Tulane University School of Medicine</i>
1:52 pm – 1:56 pm	367 - Anterior Shoulder Instability Surgical Treatments: An Analysis of Biomechanical Literature <i>John Manfredi, BS, University of Alabama at Birmingham</i>
1:56 pm – 2:00 pm	Discussion

2:00 pm – 2:04 pm	38 - Stemless, Short and Standard Humeral Stems in Total Shoulder Arthroplasty: Is There is Difference in Intraoperative Measures, Pain and Outcomes in the Short Term? <i>Joseph T. Labrum, MD, Vanderbilt Medical Center</i>
2:04 pm – 2:08 pm	48 - Cost-Effectiveness of Advanced Imaging to Assess Rotator Cuff Integrity Prior to Shoulder Arthroplasty <i>Jay M. Levin, MD, Duke University</i>
2:08 pm – 2:12 pm	351 - Is Outpatient Shoulder Arthroplasty Safe? A Systematic Review and Meta-Analysis <i>Addison Cimino, BS, University of Alabama at Birmingham</i>
2:12 pm – 2:16 pm	225 - Glenoid Lateralization Influences Active Internal Rotation after Reverse Shoulder Arthroplasty <i>Brian C. Werner, MD, University of Virginia</i>
2:16 pm – 2:20 pm	Discussion

#### **RAPID FIRE SESSION 2D: Practice Management**

1:40 pm – 1:44 pm	138 - Reuse of Surgical Masks During the COVID-19 Pandemic <i>Zsombor T. Gal, University of Kentucky</i>
1:44 pm – 1:48 pm	92 - Twitter Use Amongst Orthopedic Surgery Journals: Does a Tweet Increase Citations? <i>Arjun Verma, BS, Ochsner Health</i>
1:48 pm – 1:52 pm	143 - Osteoporosis Management and Secondary Preventative Treatment Following Primary Fragility Fractures <i>Bailey J. Ross, BA, Tulane University School of Medicine</i>
1:52 pm – 1:56 pm	169 - Impact of Large Database Studies on the Orthopaedic Surgery Literature <i>Alex Gu, BS, George Washington University</i>
1:56 pm – 2:00 pm	Discussion
2:00 pm – 2:04 pm	41 - Equal Care for All? Do Surgical Outcomes in Shoulder Arthroplasty Depend on Insurance Type? <i>Laila Khoury, Charles E. Schmidt College of Medicine at Florida Atlantic University</i>
2:04 pm – 2:08 pm	205 - Cost Benefit Analysis of Accelerated Curriculum for Orthopaedics Residency <i>Walker M. Heffron, BS, Medical University of South Carolina</i>

- 2:08 pm – 2:12 pm 74 - Impact of COVID-19 Pandemic on Orthopaedic Surgical Training: A National Survey Exploring the Perceptions among Orthopaedic Surgery Residents  
*Michael Spitnale, MD, University of South Carolina - Prisma Health Midlands Orthopedics*
- 2:12 pm – 2:16 pm 315 - COVID-19 Impact on Orthopaedic Surgery: Elective Procedures, Telehealth and Income  
*Kyle Paul, BS, University of Alabama at Birmingham*
- 2:16 pm – 2:20 pm Discussion

**RAPID FIRE SESSION 2E: Basic Science**

- 1:40 pm – 1:44 pm 236 - Cartilage and Meniscal Degradation from Reduced Weight-Bearing Recovered with Exercise  
*Nequesha S. Mohamed, MD, Wake Forest Baptist Medical Center*
- 1:44 pm – 1:48 pm 107 - Glenoid and Acetabular Reaming Force Varies during Simulation Between Surgeons  
*Akshar H. Patel, MD, Tulane University School of Medicine*
- 1:48 pm – 1:52 pm 286 - Analysis of Osteochondral Lesions of the Talus after Failed Microfracture  
*Richard M. Danilkowicz, MD, MAT, Duke University Medical Center*
- 1:52 pm – 1:56 pm 320 - Variability in the Processing of Fresh Osteochondral Allografts  
*Kyle Paul, BS, University of Alabama at Birmingham*
- 1:56 pm – 2:00 pm Discussion
- 2:00 pm – 2:04 pm 106 - Nanowarming by Inductive Heating of Vitrified Large Articular Cartilage Specimens  
*Jonathan B. Goodloe, MD, Medical University of South Carolina*
- 2:04 pm – 2:08 pm 131 - Evaluating the Safety of Cartilaginous Repair in a Waterless Environment  
*Travis R. Flick, MD, Tulane University School of Medicine*
- 2:08 pm – 2:12 pm 82 - Risk of Infection in Knee Arthroscopy Patients Undergoing Corticosteroid Injections  
*John Belk, BA, University of Colorado School of Medicine*
- 2:12 pm – 2:16 pm 368 - Postoperative Red Blood Cell Transfusion is an Independent Risk Factor for Postoperative Venous Thromboembolism in Orthopedic Surgery Patients  
*Ram R. Yakkanti, MD, University of Miami*
- 2:16 pm – 2:20 pm Discussion

**SOA Round Table Discussion 2**

2:25 pm – 3:25 pm            Topic TBD

## **RESIDENT COURSE**

Moderator: Marney Reid, *Surgical Care Affiliates*

2:25 pm – 4:25 pm            *Cynthia L. Emory, Wake Forest University*  
*Wesley Greer, MD, WRMC Orthopaedic and Sports Medicine Clinic*  
*Christopher A. Heck, MD, Southlake Orthopaedics*

### Topics

- Picking and Preparing for Fellowship Interviews
- Preparing for Fellowship
- When/How to Look for a Job
- Aligning Future Goals with Ideal Employment Model
- Basics of Reimbursements and Contract “Watch-Outs”

3:25 pm – 4:25 pm            **Scientific E-Poster Session**

4:25 pm – 5:25 pm            **Multimedia Education Session**

## **Saturday, July 24, 2021**

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

7:00 am – 7:15 am            **Second Business Meeting**

7:15 am – 7:20 am            **Announcements**  
*Michael J. O’Brien, MD, Program Chair*

## **SYMPOSIUM 7: Surviving the Night**

Moderator: Langdon A. Hartsock, MD, *Medical University of South Carolina*

7:20 am – 7:32 am            Hand  
*Dane Daley, MD, Medical University of South Carolina*

7:32 am – 7:44 am            Pediatrics  
*Kristen M. Nathe, MD, Prisma Health*

7:44 am – 7:56 am            Spine  
*Charles Reitman, MD, Medical University of South Carolina*

7:56 am – 8:08 am            Trauma  
*Thomas M. Schaller, MD, Prisma Health*

8:08 am – 8:15 am            Case Presentations/Discussion

8:15 am – 8:45 am            **Focused Breakfast Presentation**

\*CME Credit Not Available

## **RESIDENT AWARD SESSION 2**

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

- 8:45 am – 8:51 am      **SOA Presidents' Resident Award**  
114 - Opioid-Free Total Hip Arthroplasty: A Prospective, Randomized Controlled Trial  
*J. Stewart Buck, MD, Atrium Health Musculoskeletal Institute*
- 8:51 am – 8:57 am      **Harley & Betty Baxter Resident Award**  
289 - Attenuation of Cartilage Damage from Fracture Hematoma by IL-1Ra and Doxycycline  
*Richard M. Danilkowicz, MD, MAT, Duke University Medical Center*
- 8:57 am – 9:03 am      **Harley & Betty Baxter Resident Award**  
288 - Predicting Likelihood of Extended Length of Stay Following Total Joint Arthroplasty  
*Daniel E. Goltz, MD, MBA, Duke University*
- 9:03 am – 9:09 am      **SOA/OREF Resident Award**  
115 - Results of I&D for Periprosthetic Knee Infection with Use of Intraosseous Antibiotic  
*Brian M. Curtin, MD, OrthoCarolina Hip and Knee Center*
- 9:09 am – 9:15 am      **SOA/OREF Resident Award**  
357 - Physical Therapy on Postoperative Day Zero Following Lumbar Spine Surgery Decreases Length of Stay  
*Blaine T. Manning, MD, University of Missouri-Columbia*
- 9:15 am – 9:21 am      **SOA/OREF Resident Award**  
137 - Deltoid Ligament Repair vs. Syndesmotic Fixation for Bimalleolar Equivalent Ankle Fractures  
*Keith G. Whitlock, MD, Duke University*
- 9:21 am – 9:29 am      Discussion
- 9:29 am – 9:35 am      **Cynthia Lichtefeld Resident Travel Grant Award**  
17 - Lower Extremity Girth Does Not Predict Complications in TKA - Beware of the Obese Patient with Skinny Legs  
*Eric S. Secrist, MD, OrthoCarolina Hip and Knee Center*
- 9:35 am – 9:41 am      **Harley & Betty Baxter Resident Travel Grant Award**  
386 - The Effect of State-Level Prescription Opioid Legislation on Patient Outcomes after Lumbar Tubular Micro-Decompression  
*Edward C. Beck, MD, MPH, Wake Forest Baptist Health*
- 9:41 am – 9:47 am      **SOA Resident Travel Grant Award**  
52 - Perioperative Complications Surrounding Supracondylar Humerus Fractures: Expanding Outpatient Surgical Indications  
*Lindsay Hockensmith, MD, University of Kentucky*

- 9:47 am – 9:53 am            **SOA Resident Travel Grant Award**  
147 - Immediate Pain Relief at Time of Corticosteroid Injection for Idiopathic Adhesive Capsulitis is not Predictive of Eventual Outcome  
*Thomas E. Moran, MD, University of Virginia*
- 9:53 am – 9:59 am            **SOA Resident Travel Grant Award**  
36 - Is Medicare Reimbursement Declining for Degenerative and Traumatic Shoulder Pathology?  
*Suresh K. Nayar, MD, Johns Hopkins*
- 9:59 am – 10:07 am        Discussion
- 10:07 am – 10:32 am        **Break – Please visit Exhibits**

**GENERAL SESSION 4: BOC Report & Presidential Address**

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

- 10:32 am – 10:42 am        **BOC Report**
- 10:42 am – 10:45 am        **Introduction of Presidential Address**  
*Michael J. O'Brien, MD, Tulane University*
- 10:45 am – 11:15 am        **Presidential Address**  
Title  
*Jeffrey A. Guy, MD, University of South Carolina*

**CONCURRENT SYMPOSIUM 8A: Hand**

Moderator: Gleb Medvedev, MD, *Tulane University*

- 11:20 am – 11:30 am        Problematic Finger Fractures  
*Katherine C. Faust, MD, Children's Hospital New Orleans*
- 11:30 am – 11:40 am        Failed Carpal Tunnel Release  
*Clifton G. Meals, MD, Emory University*
- 11:40 am – 11:50 am        Scaphoid Nonunion  
*Suhail K. Mithani, MD, Duke University*
- 11:50 am – 12:00 pm        TBD  
*Mihir J. Desai, MD Vanderbilt University*
- 12:00 pm – 12:10 pm        TBD  
*Gregory K. Faucher, MD, Prisma Health*
- 12:10 pm – 12:15 pm        Case Presentations/Discussion

**CONCURRENT SYMPOSIUM 8B: Cervical Spine Injuries in Athletes and Return to Play**

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

- 11:20 am – 11:32 am        Case Presentations: Cervical Spine Injuries in Athletes

*Gregory Grabowski, MD, Palmetto Health at USC*

11:32 am – 11:44 am Work-Up, Imaging, and Timing: The Hurry-Up Offense or the Prevent Defense  
*John G. DeVine, MD, Augusta University*

11:44 am – 11:56 am Cervical Disk Herniations  
*John France, MD, West Virginia University*

11:56 am – 12:08 pm Congenital Cervical Stenosis  
*Steven M. Theiss, MD University of Alabama*

12:08 pm – 12:15 pm Case Presentations/Discussion

**RAPID FIRE SESSION 3A: Sports Medicine**

12:20 pm – 12:24 pm 228 - Minimum 2-Year Outcomes of All-Arthroscopic Capsular Autograft Labral Reconstruction  
*Michael Kucharik, Massachusetts General Hospital*

12:24 pm – 12:28 pm 251 - Age, Duration of Symptoms Prior to Presentation and Gender of Hip Impingement Patients with Prominent vs. Normal Anterior Inferior Iliac Spine Morphology  
*Corey A. Hamilton, MD, Prisma Health University of South Carolina*

12:28 pm – 12:32 pm 292 - Comparison of Injury Rates between Pre-Covid and Post-Covid Era in the NFL  
*Evan P. Bailey, Medical University of South Carolina*

12:32 pm – 12:36 pm 130 - Lower Extremity Musculoskeletal Injury is Associated with Increased Risk of Concussion in High School Athletes  
*Michael J. Kissenberth, MD, Hawkins Foundation*

12:36 pm – 12:40 pm Discussion

12:40 pm – 12:44 pm 171 - Risk Factors for Stress Fractures: A Nationwide Database Analysis  
*Nisha N. Kale, BA, Tulane University School of Medicine*

12:44 pm – 12:48 pm 323 - Resiliency Does Not Correlate with Outcome Scores After Meniscectomy  
*Austin Hughes, BS, University of Alabama at Birmingham*

12:48 pm – 12:52 pm 355 - The Effect of Thursday Night Football on NFL Injuries  
*Akhil Sharma, BS, Duke University Medical Center*

12:52 pm – 12:56 pm 385 - Evaluation of Mid-Term Outcomes Following Shoulder Hemiarthroplasty for Avascular Necrosis of the Humeral Head in Patients 40 Years and Younger  
*Edward C. Beck, MD, MPH, Wake Forest Baptist Health*

12:56 pm – 1:00 pm Discussion



### **RAPID FIRE SESSION 3B: Total Joints**

- 12:20 pm – 12:24 pm      318 - Survivorship of a Highly Porous Titanium Acetabular Component with a Mean 6-Year Follow-Up  
*Bhumit R. Desai, MD, Ochsner Medical Center*
- 12:24 pm – 12:28 pm      373 - Intermediate Survival of a Dual Tapered-Wedge Fully HA Coated Press Fit Femoral Stem  
*Ram R. Yakkanti, MD, University of Miami*
- 12:28 pm – 12:32 pm      58 - Association of Alcohol Use Disorder on Total Hip Arthroplasty  
*Andrew Horn, MD, Maimonides Medical Center*
- 12:32 pm – 12:36 pm      132 - Outcomes for ORIF of Proximal Femur Periprosthetic Fractures  
*Robert J. Teasdall, MD, University of Kentucky*
- 12:36 pm – 12:40 pm      Discussion
- 12:40 pm – 12:44 pm      380 - Kinematics of Various TKA Implant Designs in Kinematic vs. Mechanical Alignment – A Cadaveric Analysis  
*Eric S. Secrist, MD, Atrium Musculoskeletal Institute*
- 12:44 pm – 12:48 pm      22 - Comparison of Patient Reported Outcomes between Conventional and Robotic-Assisted TKA  
*Nijo A. Abraham, Georgetown University School of Medicine*
- 12:48 pm – 12:52 pm      112 - Gap Balanced vs. Measured Resection Total Knee Arthroplasty: A Functional Outcome Comparison  
*Matthew J. Duffin, MD, Hoag Orthopaedic Institute*
- 12:52 pm – 12:56 pm      29 - The Effect of Postoperative Sleeping Position on Knee Extension and Range of Motion Following Primary Total Knee Arthroplasty  
*Tyler M. Goodwin, MD, University of Tennessee Health Science Center Chattanooga*
- 12:56 pm – 1:00 pm      Discussion

### **RAPID FIRE SESSION 3C: Shoulder & Elbow**

- 12:20 pm – 12:24 pm      88 - Press Fit vs. Cemented Hybrid Glenoid Fixation: Five Year Clinical and Radiographic Outcomes  
*Jonathan B. Goodloe, MD, Medical University of South Carolina*
- 12:24 pm – 12:28 pm      150 - Corticosteroid Injections and Risk of Revision in Shoulder Arthroplasty  
*Monica Stadecker, MD, MBA, George Washington University*
- 12:28 pm – 12:32 pm      221 - Urinary Tract Infections Diagnosed within Two Weeks Prior to Shoulder Arthroplasty are Associated with Increased Postoperative Infection Rates

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

- 12:32 pm – 12:36 pm 201 - Full-Thickness Rotator Cuff Tear Repair Using Bioinductive Bovine Patches  
*Justin A. Sedgewick, Tulane University School of Medicine*
- 12:36 pm – 12:40 pm Discussion
- 12:40 pm – 12:44 pm 268 - A Review of Platelet-Rich Plasma in the Elbow  
*Austin Ross, BS, Tulane University Department of Orthopedics*
- 12:44 pm – 12:48 pm 43 - Better Outcomes? Rotator Cuff Repair vs. Reverse Shoulder Arthroplasty for Massive Rotator Cuff Tears in Elderly Population  
*Laila Khoury, Charles E. Schmidt College of Medicine at Florida Atlantic University*
- 12:48 pm – 12:52 pm 302 - 2-Year Glenoid Augment Outcomes and Costs in Anatomic Total Shoulder Arthroplasty  
*Lefko T. Charalambous, BS, Duke University Medical Center*
- 12:52 pm – 12:56 pm 70 - Risk Factors for Infection following Primary Total Elbow Arthroplasty  
*Miriam Weisberg, MD, Maimonides Medical Center*
- 12:56 pm – 1:00 pm Discussion

**RAPID FIRE SESSION 3D: Spine**

- 12:20 pm – 12:24 pm 16 - Timing of VTE and Hematoma Events after Spine Surgery  
*Dharani Rohit Thota, BA, The University of Texas at Southwestern Medical Center*
- 12:24 pm – 12:28 pm 214 - Postoperative Outcomes following Posterior Lumbar Fusion in Patients with Multiple Sclerosis  
*Pramod N. Kamalpathy, University of Virginia*
- 12:28 pm – 12:32 pm 333 - Rheumatoid Arthritis Increases Risk of Medical Complications Following Posterior Lumbar Fusion  
*Sean Sequeira, BS, University of Virginia School of Medicine*
- 12:32 pm – 12:36 pm 387 - Rates of Achieving Meaningful Outcomes and Clinical Success 1-Year after Undergoing Far Lateral Tubular Decompression  
*Edward C. Beck, MD, MPH, Wake Forest Baptist Health*
- 12:36 pm – 12:40 pm Discussion
- 12:40 pm – 12:44 pm 340 - Outcomes of Anterior vs. Posterior Approach to Single Level Lumbar Interbody Fusion  
*Leland C. McCluskey, MD, Tulane University*

12:44 pm – 12:48 pm 30 - Osteoporosis is Associated with Increased Minor Complications and Pulmonary Embolism Following Single Level ALIF and PSIF Spine Stabilization  
*Alyssa D. Althoff, MD, University of Virginia*

12:48 pm – 12:52 pm 215 - Safety Profile of Outpatient vs. Inpatient ACDF: An Analysis of 33,807 Outpatient ACDFs  
*Pramod N. Kamalpathy, University of Virginia*

12:52 pm – 12:56 pm 67 - Depression is Associated with Worse Outcomes Following Adult Spinal Deformity  
*Samuel J. Swiggett, MD, Maimonides Medical Center*

12:56 pm – 1:00 pm Discussion

### **RAPID FIRE SESSION 3E: Tumor**

12:20 pm – 12:24 pm 329 - Racial Disparities by Histology for Sarcomas of Soft-Tissue and Bone  
*David L. Kerr, MD, Duke University Hospital*

12:24 pm – 12:28 pm 127 - Metastatic Bone Lesion Progression After Intramedullary Nailing  
*Punthitra Arpornsuksant, The Johns Hopkins University*

12:28 pm – 12:32 pm 262 - Determinants of Functional Outcome after Type II Internal Hemipelvectomy  
*Robert C. Weinschenk, MD, The University of Texas MD Anderson Cancer Center*

12:32 pm – 12:36 pm 326 - The Impact of Radiation Therapy on Survival in Myxoid Liposarcoma  
*David L. Kerr, MD, Duke University Hospital*

12:36 pm – 12:40 pm Discussion

12:40 pm – 12:44 pm 233 -Complications Following Shoulder Replacement for Tumors of the Glenohumeral Joint  
*T. David Luo, MD, Wake Forest Orthopaedic Surgery*

12:44 pm – 12:48 pm 328 - Oncologic Reverse Total Shoulder Arthroplasty: A Systematic Review  
*Harrison R. Ferlauto, BSE, Duke University*

12:48 pm – 12:52 pm 349 - Oncological Outcomes in Fungating Squamous Cell Carcinoma Patients of the Extremities and Trunk  
*Yonghoon Lee, BA, University of Miami Miller School of Medicine*

12:52 pm – 12:56 pm 350 - Oncological Outcomes in Patients with Dermatofibrosarcoma Protuberans: A Retrospective Study  
*Michael P. Guertin, BS, University of Miami Miller School of Medicine*

12:56 pm – 1:00 pm Discussion

1:00 pm – 2:00 pm

**Scientific E-Poster Session**

2:00 pm – 3:00 pm

**Multimedia Education Session**