

SOA Scientific Program
The Breakers
July 11-14, 2018
(Presenters and times are subject to change.)

Thursday, July 12, 2018

6:00 am – 6:45 am **Scientific E-Poster Session** (Presenters are available to answer questions.)

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

7:00 am – 7:05 am **Welcome and Announcements**
Matthew J. Matava, MD, President
Ryan M. Nunley, MD, Program Chair

GENERAL SESSION 1: Resident Awards

Moderators: Ryan M. Nunley, MD, *Washington University School of Medicine*
 Samuel I. Brown, MD, *Sports Medicine and Orthopaedics Center*

7:05 am – 7:11 am SOA Presidents' Resident Award
Consumer Prices for Surgical Management of Ankle Arthritis
Niall Smyth, MD, University of Miami

7:11 am – 7:17 am Harley & Betty Baxter Resident Award
Initiatives to Reduce All-Cause 30-Day Postoperative Readmissions – An
Experience from the Orthopaedic Service of a Single University Hospital
Barkha Gurbani, MD, MPH, University of Texas Medical Branch

7:17 am – 7:23 am Harley & Betty Baxter Resident Award
Artificial Disc Replacement Adjacent to a Multilevel Fusion in the Cervical
Spine: A Biomechanical Study
Dale Segal, MD, Emory University

7:23 am – 7:29 am SOA/OREF Resident Award
Analysis of 4,701 Internet Review Site Comments for 210 Spine Surgeons:
How Office Staff, Physician Likeability, and Patient Outcome Will
Individually Impact Online Evaluations for Better or Worse
Chester Donnally III, MD, University of Miami/ Jackson Memorial Hospital

7:29 am – 7:35 am SOA/OREF Resident Award
Are Routine Postoperative CT Scans Warranted for All Patients After
Operative Fixation of Pelvic Ring Injuries?
Kevin Cronin, MD, University of Kentucky

7:35 am – 7:50 am Discussion

7:50 am – 7:56 am SOA/OREF Resident Award

Arthroscopic and Open/Mini-Open Rotator Cuff Repair: Practice Trend and Complication rates. An Evaluation of the American Board of Orthopaedic Surgeons Step II Examinees (2007-2017)
Blane Kelly, MD, Virginia Commonwealth University

7:56 am – 8:02 am Harley & Betty Baxter Resident Travel Grant Award
Does Medicaid Payer Status Affect Patient's Outcomes After Shoulder Arthroplasty?
Diego Lima, MD, Cleveland Clinic Florida

8:02 am – 8:08 am SOA Resident Travel Grant Award
Periprosthetic Ankle Fractures: Developing an Algorithm for Management
Alexander Lazarides, MD, Duke University Medical Center

8:08 am – 8:14 am SOA Resident Travel Grant Award
Intra-Operative Surgical Light Movement is a Potential Source of Sterile Field Contamination
Jose Romero, MD, University of Texas Southwestern Medical Center

8:14 am – 8:20 am SOA Resident Travel Grant Award
National Cost of Orthopaedic Care for Non-Fatal Gunshot Wounds
Samuel Rosas, MD, Wake Forest School of Medicine

8:20 am – 8:35 am Discussion

8:35 am – 8:55 am ***Break – Please visit Exhibits***

GENERAL SESSION 2: OREF Report and Presidential Guest Speaker

Moderator: Matthew J. Matava, MD, *Washington University School of Medicine*

8:55 am – 9:00 am OREF Report
P. Joanne Ray, CEO Orthopaedic Research and Education Foundation

9:00 am – 9:05 am Introduction of Presidential Guest Speaker
Matthew J. Matava, MD, Washington University School of Medicine

9:05 am – 9:35 am Presidential Guest Speaker
Dying is Easy: Living is the Difficult Thing
COL (Ret) F. Harold Kushner, MD, FACS, Daytona Beach, FL

RAPID FIRE SESSION 3A: Foot & Ankle

Moderators: William K. McKibbin, MD, *Medical University of South Carolina*
Benjamin Jackson, MD, *University of South Carolina School of Medicine*

9:40 am – 9:44 am Ankle Arthrodesis versus Total Ankle Replacement - Surgical Incidence and 30-Day Morbidity and Mortality
Tyler Goodwin, MSIII, University of South Carolina School of Medicine

9:44 am – 9:48 am A 27 Year Meta-Analysis of Ankle Arthroplasty
Christopher Gross, MD, Medical University of South Carolina

9:48 am – 9:52 am	Postoperative Infection in Foot & Ankle Surgery: Does Season Matter? <i>Samuel Huntley, BSc, University of Alabama at Birmingham</i>
9:52 am – 9:56 am	HTX-011 Reduces Acute Pain and Opioid Consumption Following Bunionectomy <i>Douglas Lucas, DO, Mercy Orthopedic Associates</i>
9:56 am – 10:00 am	Discussion
10:00 am – 10:04 am	Projections for Total Ankle Arthroplasty Based Upon the National Inpatient Sample <i>Justin Rabinowitz, MD, Medical University of South Carolina</i>
10:04 am – 10:08 am	Is Interposition Arthroplasty a Viable Treatment Option for Hallux Rigidus? <i>Ashish Shah, MD, University of Alabama at Birmingham</i>
10:08 am – 10:12 am	Gender Differences on SF-36 Patient-Reported Outcomes of Diabetic Foot Disease <i>Michael Del Core, MD, University of Texas Southwestern Medical Center</i>
10:12 am – 10:16 am	An Updated Meta-Analysis of Ankle Fusions and Third Generation Ankle Replacements <i>Christopher Gross, MD, Medical University of South Carolina</i>
10:16 am – 10:20 am	Discussion
10:20 am – 10:24 am	Incidence of Venous Thromboembolism in Foot and Ankle Surgeries <i>Ashish Shah, MD, University of Alabama at Birmingham</i>
10:24 am – 10:28 am	Outcome Analysis of Distal Chevron and Akin Osteotomy for Hallus Valgus Correction: A Retrospective Study <i>Anna Johnson, MD, University of South Alabama</i>
10:28 am – 10:32 am	Projections for Ankle Arthrodesis Based upon the National Inpatient Sample <i>Justin Rabinowitz, MD, Medical University of South Carolina</i>
10:32 am – 10:36 am	Porous Titanium Wedges in Lateral Column Lengthening for Adult Acquired Flatfoot Deformity <i>S. Evan Carstensen, MD, University of Virginia</i>
10:36 am – 10:40 am	Discussion

RAPID FIRE SESSION 3B: Basic Science/Outcomes

Moderators: Richard Gellberman, MD, *Washington University School of Medicine*
Benjamin A. Alman, MD, *Duke University School of Medicine*

9:40 am – 9:44 am	Nerve Allograft Decellularization and Oxidation <i>Daniel Lara, MD, Wake Forest School of Medicine</i>
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9:44 am – 9:48 am	Autologous Chondrocyte Grafting as an Alternative to Iliac Crest in Posterolateral Spinal Fusion <i>J. Patton Robinette, BA, Vanderbilt University School of Medicine</i>
9:48 am – 9:52 am	Burn-Induced Osteoporosis and Muscle Calcification: Are These Related Complications? <i>Samuel Posey, BS, Vanderbilt University School of Medicine</i>
9:52 am – 9:56 am	Biaxial Compression Screw for Condylar Fracture Fixation: A Novel Concept Development with a Prototype <i>Diwakar Pulisetty, MD, Saint Louis University</i>
9:56 am – 10:00 am	Discussion
10:00 am – 10:04 am	Studies in Developing a Novel Xenograft-Derived Bone Graft Substitute <i>Daniel Bracey, MD, PhD, Wake Forest School of Medicine</i>
10:04 am – 10:08 am	Resident Operative Reports: The Need for Education <i>Niall Smyth, MD, University of Miami</i>
10:08 am – 10:12 am	Orthopaedic Resident Remediation: Frequency, Interventions, and Outcomes <i>William Melton, MD, Palmetto Health - Univeristy of South Carolina Orthopaedic Center</i>
10:12 am – 10:16 am	Microbiological Analysis Before and After Decontamination of Thyroid Shields <i>Chihua Lee, MD, Naval Medical Center Portsmouth</i>
10:16 am – 10:20 am	Discussion
10:20 am – 10:24 am	Increased Operating Room Turnover Time: Should We Stop Blaming Anesthesia? <i>Matthew Broggi, MS, Medical College of Georgia</i>
10:24 am – 10:28 am	Wasted Disposable Supplies in the Orthopaedic Surgery Operating Rooms <i>Carter Devlin, BS, Jack Hughston Memorial Hospital</i>
10:28 am – 10:32 am	Reducing Potential for Needle-Stick Injuries in the Operating Room: Efficacy of Wound Closure with Operative Armour as Compared with Traditional Methods <i>Eliana Saltzman, MD, Duke University Medical Center</i>
10:32 am – 10:36 am	Marijuana Use and Mortality following Orthopedic Surgical Procedures <i>Sameer Naranje, MD, University of Alabama at Birmingham</i>
10:36 am – 10:40 am	Discussion

RAPID FIRE SESSION 3C: Total Hip

Moderators: Andrew A. Shiner, MD, *Vanderbilt University School of Medicine*
Brian A. Jewett, MD, *Slocum Center for Orthopedics and Sports Medicine*

9:40 am – 9:44 am	At What Cost is Dual Mobility a Cost-effective Treatment Option During the First 90 days after Primary Total Hip Arthroplasty? <i>Stephen Duncan, MD, University of Kentucky</i>
9:44 am – 9:48 am	Operative Time, Early Joint Infection, and DVT in Primary THA <i>Sameer Naranje, MD, University of Alabama at Birmingham</i>
9:48 am – 9:52 am	A Systematic Review of Total Hip Arthroplasty Outcomes in the Morbidly Obese Patient Population: What Does a BMI Greater Than 40kg/m ² Mean? <i>Jose Romero, MD, University of Texas Southwestern Medical Center</i>
9:52 am – 9:56 am	Preoperative Smoking Cessation: A Durable Form of Long-Term Cessation <i>Jacob Balmer, BS, Medical University of South Carolina</i>
9:56 am – 10:00 am	Discussion
10:00 am – 10:04 am	Albumin versus ASA Stratifies Preoperative Risks in Total Hip Arthroplasty <i>Cierra Hong, BA, Duke University School of Medicine</i>
10:04 am – 10:08 am	The Role of Early and Late Revision in Metal-on-Metal Total Hip Arthroplasty <i>Lindsay Kleeman, MD, Duke University School of Medicine</i>
10:08 am – 10:12 am	Is the Practice of Overlapping Surgery Safe in Total Knee and Hip Arthroplasty? <i>Ahmed Alamansoori, MBBS, Cleveland Clinic Florida</i>
10:12 am – 10:16 am	Nasal Decolonization with Alcohol Based Sanitizer is Effective at Preventing Surgical Site Infection Following Total Joint Arthroplasty <i>Phillip Bostian, MD, West Virginia University</i>
10:16 am – 10:20 am	Discussion
10:20 am – 10:24 am	Outcome of THA in HIV Patients Managed with Contemporary Protocols <i>Michael H. Huo, MD, Houston Methodist Hospital</i>
10:24 am – 10:28 am	Accuracy of Preoperative Implant Sizing and Positioning Using 3D Preplanning Software for Robotic-Assisted Total Hip Arthroplasty <i>Samrath Bhimani, MD, University of Louisville</i>
10:28 am – 10:32 am	Complications and Costs are Higher in Medicare Hemophiliacs After THA <i>Samuel Rosas, MD, Wake Forest School of Medicine</i>
10:32 am – 10:36 am	Does an Anterior Hip Based Fellowship Lessen the Learning Curve? <i>Colin McNamara, MD, Jackson Memorial Hospital and the University of Miami Miller School of Medicine</i>
10:36 am – 10:40 am	Discussion

RAPID FIRE SESSION 3D: Trauma

Moderators: Eric S. Moghadamian, MD, *University of Kentucky Medical Center*
Langdon A. Hartsock, MD, *Medical University of South Carolina*

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| 9:40 am – 9:44 am | Primary Intramedullary Nailing of Open Tibia Fractures Due to Low Velocity Gunshots: Does Operative Debridement Increase Infection Rates?
<i>Chester Donnally III, MD, University of Miami/ Jackson Memorial Hospital</i> |
| 9:44 am – 9:48 am | Orthopaedic Consult Volume at a Level 1 Trauma Center: The Effect of Temporal and Environmental Factors
<i>William Ashford, MD, Medical University of South Carolina</i> |
| 9:48 am – 9:52 am | Impact of Co-Management Care Models on 30-Day Morbidity and Mortality in Patients With Hip Fractures: Experience from a Large, Urban Level I Trauma Center
<i>Adam Boissonneault, MD, Emory University</i> |
| 9:52 am – 9:56 am | Reoperation Rate in a Cohort of Operatively Treated Unstable Pelvic Ring Injuries
<i>Kevin Cronin, MD, University of Kentucky</i> |
| 9:56 am – 10:00 am | Discussion |
| 10:00 am – 10:04 am | Anterolateral Distal Tibia Locking Plate Osteosynthesis and Their Ability to Capture OTAC3 Pilon Fragments
<i>Boshen Liu, MD, University of Kentucky</i> |
| 10:04 am – 10:08 am | Comparing Outcomes in Tension Band Fixation of Patellar Fractures with K Wires versus Cannulated Screws
<i>Varun Sambhariya, BS, University of Texas Southwestern</i> |
| 10:08 am – 10:12 am | It's Heating Up: Orthopaedic Trauma Consult Volume is Significantly Correlated with Daily Weather
<i>Jacob Wilson, MD, Emory University</i> |
| 10:12 am – 10:16 am | Trends in the Surgical Treatment of Femoral Neck Fractures in Elderly
<i>Sameer Naranje, MD, University of Alabama at Birmingham</i> |
| 10:16 am – 10:20 am | Discussion |
| 10:20 am – 10:24 am | Air Travel and Thromboembolic Events After Orthopedic Surgery: Where are We and Where Do We Need to Go?
<i>Chester Donnally III, MD, University of Miami/ Jackson Memorial Hospital</i> |
| 10:24 am – 10:28 am | Retrospective Review of Percutaneous Screw Fixation for Superior Ramus fractures: Predictive Factors for Failure
<i>Boshen Liu, MD, University of Kentucky</i> |
| 10:28 am – 10:32 am | Comparison of Tension Band and Plate Fixation of Olecranon Fractures
<i>Michael Del Core, MD, University of Texas Southwestern Medical Center</i> |

10:32 am – 10:36 am Relationship of Neurovascular Structures to Multiplanar Distal Interlocking Screws in an Intramedullary Humeral Nail: An Anatomic Study
Raymond Steinmetz, MD, University of Oklahoma

10:36 am – 10:40 am Discussion

10:40 am – 11:00 am **Break – Please visit Exhibits**

SYMPOSIUM 1: Hot Topics in Orthopedic Trauma Surgery

Moderator: Steven M. Cherney, MD, *University of Arkansas Medical School*

11:00 am – 12:00 pm Panel Discussion and Case Presentation

Panel: *Eric S. Moghadamian, MD, University of Kentucky Medical Center*
Langdon A. Hartsock, MD, Medical University of South Carolina
Steven M. Cherney, MD, University of Arkansas Medical School

12:00 pm – 1:00 pm **Focused Lunch Presentation**
*CME Credit Not Available

SYMPOSIUM 2: Football Injuries from High School to the NFL

Moderator: Matthew J. Matava, MD, *Washington University School of Medicine*

1:00 pm – 1:10 pm Overview of the Medical Issues Surrounding Football and Epidemiology of Injury
Matthew J. Matava, MD, Washington University School of Medicine

1:10 pm – 1:20 pm Football Injuries at the Collegiate Level
Jeffrey A. Guy, MD, University of South Carolina School of Medicine

1:20 pm – 1:30 pm My Top Five Football Injuries and How I Treat Them
Darren L. Johnson, MD, University of Kentucky Sports Medicine

1:30 pm – 1:40 pm Bioengineering Advances in Football Injury Prevention: The NFL Experience
Jeff R. Crandall, University of Virginia

1:40 pm – 1:50 pm Discussion

2:00 pm – 3:30 pm **Surgical Care Resident Session**

3:30 pm – 4:30 pm **Scientific E-Poster Session** (Presenters are available to answer questions.)

4:30 pm – 5:30 pm **Multimedia Education Session**

Friday, July 13

6:00 am – 7:00 am **Scientific E-Poster Session** (Presenters are available to answer questions.)

7:00 am – 7:05 am **Announcements**

Ryan M. Nunley, MD, Program Chair

SYMPOSIUM 3: Hot Topics in Total Knee Arthroplasty

Moderator: James A. Browne, MD, *University of Virginia School of Medicine*

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| 7:05 am – 7:15 am | Title TBD
<i>Samuel S. Wellman, MD, Duke University School of Medicine</i> |
| 7:15 am – 7:25 am | Peri-Articular Injection for Total Knee Arthroplasty: Anesthesiologist Not Needed!
<i>Paul F. Lachiewicz, MD, Duke University/Chapel Hill Orthopedics Surgery & Sports Medicine</i> |
| 7:25 am – 7:35 am | Title TBD
<i>Jeffrey Stambough, MD, University of Arkansas Medical School</i> |
| 7:35 am – 7:45 am | Title TBD
<i>Gregory Polkowski, MD, Vanderbilt University School of Medicine</i> |
| 7:45 am – 8:00 am | Discussion and Questions |
| 8:00 am – 8:30 am | Focused Brunch Presentation
*CME Credit Not Available |

GENERAL SESSION 4: AAOS Report & Distinguished Southern Orthopaedist

Moderator: Matthew J. Matava, MD, *Washington University School of Medicine*

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| 8:30 am - 8:45 am | AAOS Report
<i>David Halsey, MD, AAOS President, Martha's Vineyard Orthopaedics</i> |
| 8:45 am - 8:50 am | Introduction of Distinguished Southern Orthopaedist
<i>Matthew J. Matava, MD, Washington University School of Medicine</i> |
| 8:50 am - 9:20 am | Distinguished Southern Orthopaedist
Advances in the Treatment of Fractures of the Radius
<i>Richard H. Gelberman, MD, Washington University School of Medicine</i> |
| 9:20 am – 9:40 am | Break – Please visit Exhibits |

RAPID FIRE SESSION 5A: Shoulder

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

R. Alexander Creighton, MD, CAQSM, *University of North Carolina Orthopaedics*

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| 9:40 am – 9:44 am | Effect of Biceps Tenodesis on Recovery After Rotator Cuff Repair
<i>Jennifer Kurowicki, MD, Seton Hall University School of Medicine</i> |
| 9:44 am – 9:48 am | Comparing Surgeon Performance of Rotator Cuff Repair: Risk Adjustment
<i>Michael Kissenberth, MD, Steadman Hawkins Clinic of the Carolina</i> |
| 9:48 am – 9:52 am | Does Tuberosity Healing Affect the Biomechanics Of Reverse Shoulder Arthroplasty? |

Diego Lima, MD, Cleveland Clinic Florida

- 9:52 am – 9:56 am What is Critical Angle that Portends Poor Functional Outcome Scores in Nonoperative Management of Humeral Shaft Fractures?
Brian Hill, MD, Saint Louis University School of Medicine
- 9:56 am – 10:00 am Discussion
- 10:00 am – 10:04 am Pre-Operative Opioid Use Among Shoulder Arthroplasty Patients Predicts Post-Operative Use
Derek Berglund, MD, Holy Cross Orthopedic Institute
- 10:04 am – 10:08 am Does the Use of Tranexamic Acid Decrease Transfusion Rates in High-Risk Shoulder Arthroplasty?
Adetayo Lawal, MD, University of Florida
- 10:08 am – 10:12 am Does Tuberosity Augmentation Improve the Biomechanics of Reverse Shoulder Arthroplasty?
Diego Lima, MD, Cleveland Clinic Florida
- 10:12 am – 10:16 am Does Having Prior Rotator Cuff Surgery Affect Outcomes in Reverse Shoulder Arthroplasty?
Maharsh Patel, MD, University of Florida
- 10:16 am – 10:20 am Discussion
- 10:20 am – 10:24 am The Impact of Preoperative Opioid Use on Outcomes after Arthroscopic Rotator Cuff Repair
Diego Lima, MD, Cleveland Clinic Florida
- 10:24 am – 10:28 am Incidence and Risk Factors for Aseptic Glenoid Baseplate Loosening in Reverse Total Shoulder Arthroplasty
Alexander Bitzer, MD, The Johns Hopkins Hospital
- 10:28 am – 10:32 am How Orthopaedic Surgeons Can Impact Narcotic Dependence in TSA Patients
Kiran Chatha, MD, Cleveland Clinic Florida
- 10:32 am – 10:36 am Validity and Responsiveness of Single Alpha-Numeric Evaluation for Shoulder Patients
Michael Kissenberth, MD, Steadman Hawkins Clinic of the Carolina
- 10:36 am – 10:40 am Discussion

RAPID FIRE SESSION 5B: Trauma

Moderators: Steven M. Cherney, MD, *University of Arkansas Medical School*
 Lisa K. Canada, MD, *Saint Louis University School of Medicine*

- 9:40 am – 9:44 am Early Allogeneic Blood Transfusion is an Independent Risk Factor for Development of Acute Respiratory Distress Syndrome in Patients with Pelvic Trauma

Adam Boissonneault, MD, Emory University

- 9:44 am – 9:48 am Outcomes of Femoral Head Fractures Associated with Traumatic Hip Dislocations
Michael Del Core, MD, University of Texas Southwestern Medical Center
- 9:48 am – 9:52 am An Elevated Metrorail as a Source of Orthopedic Injuries and Death at a Level-I Trauma Center
Chester Donnally III, MD, University of Miami/ Jackson Memorial Hospital
- 9:52 am – 9:56 am Can Distal Interlocking Screw Trajectory in Retrograde Femoral Nailing Help Prevent Future Symptomatic Hardware?
Boshen Liu, MD, University of Kentucky
- 9:56 am – 10:00 am Discussion
- 10:00 am – 10:04 am Regional Anesthesia after Ankle Fracture Surgery: Inpatient and Outpatient Setting
Michael Spitnale, BS, University of Kentucky
- 10:04 am – 10:08 am Supine Positioning for Proximal Humerus ORIF using arthroscopic shoulder distractor
Cody Hightower, MD, Palmetto Health Richland
- 10:08 am – 10:12 am Inflammatory Cytokines Provide Unique Predictive Value Beyond Injury Severity: A Prospective Cohort Study of Orthopaedic Trauma Patients
Boshen Liu, MD, University of Kentucky
- 10:12 am – 10:16 am Cost Comparison of Traditional External Fixation versus Posterior Frame Constructs
Robert Simpson, MD, Hughston Trauma at Ft Walton Beach
- 10:16 am – 10:20 am Discussion
- 10:20 am – 10:24 am Impact of Closed Suction Drainage in Acetabular Fracture Surgery
Adam Boissonneault, MD, Emory University
- 10:24 am – 10:28 am Proximal Humerus Fractures Managed with an Intramedullary Cage
Josh Hudgens, MD, Johns Hopkins University
- 10:28 am – 10:32 am The Fallen Leaf Sign Radiographic Finding Predicts Moore-Type Proximal Tibial Fractures
Robert Simpson, MD, Hughston Trauma at Ft Walton Beach
- 10:32 am – 10:36 am The Effect of Malnutrition on Outcomes in Patients with Long-Bone Fractures: A Systematic Review of the Literature
Alexandra Ernst, MPH, Emory University
- 10:36 am – 10:40 am Discussion

RAPID FIRE SESSION 5C: Sports Medicine

Moderators: Darren L. Johnson, MD, *University of Kentucky Sports Medicine*
Brian C. Werner, MD, *University of Virginia School of Medicine*

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| 9:40 am – 9:44 am | The Financial Burden Associated with Multiple Shoulder Dislocations and the Potential Cost-Savings of Surgical Stabilization
<i>Shea Comadoll, BS, Wake Forest School of Medicine</i> |
| 9:44 am – 9:48 am | Synovitis Associated with Joint Space Narrowing and Cartilage Degeneration for those With Femoroacetabular Impingement
<i>Ifeanyi Nzegwu, MD, University of Kentucky</i> |
| 9:48 am – 9:52 am | Increased Complication Rates After Knee Arthroscopy in Patients With Obstructive Sleep Apnea
<i>Aaron Casp, MD, University of Virginia</i> |
| 9:52 am – 9:56 am | The Economic Impact of Reported Concussion Injuries in Major League Baseball
<i>Kiran Chatha, MD, Cleveland Clinic Florida</i> |
| 9:56 am – 10:00 am | Discussion |
| 10:00 am – 10:04 am | Diagnostic Accuracy of the Scapular Retraction Test in Assessing the Status of the Rotator Cuff
<i>Stephen Gates, MD, University of Texas Southwestern</i> |
| 10:04 am – 10:08 am | Incidence of UCL Surgery in Collegiate Baseball Players
<i>Marcus A. Rothermich, MD, American Sports Medicine Institute</i> |
| 10:08 am – 10:12 am | Pre-Operative Shoulder Injections are Associated with Rotator Cuff Repair Failure
<i>Aaron Casp, MD, University of Virginia</i> |
| 10:12 am – 10:16 am | Performance Metrics and Economics of SLAP Tears In Major League Baseball Pitchers
<i>Ahmed Alamansoori, MBBS, Cleveland Clinic Florida</i> |
| 10:16 am – 10:20 am | Discussion |
| 10:20 am – 10:24 am | Impact of Femoroacetabular Impingement Bony Abnormalities on Chondrolabral Injury
<i>Thomas Ergen, MD Palmetto Health - Univeristy of South Carolina Orthopaedic Center</i> |
| 10:24 am – 10:28 am | Anterior Cruciate Ligament with Bone Patellar Tendon Bone Technique Does Not Cause Functional Anterior Knee Pain
<i>Brian Godshaw, MD, Ochsner Clinic Foundation</i> |
| 10:28 am – 10:32 am | Surgeon Agreement on the Presence of Instability Associate Pathology on Shoulder Imaging Studies
<i>Ryan Koehler, MD, MS, Vanderbilt University</i> |

10:32 am – 10:36 am Acetabular Labral Tear Dimensions and Quantity of Suture Anchors Required for Repair
Matthew Pacana, MD, Palmetto Health - University of South Carolina Orthopaedic Center

10:36 am – 10:40 am Discussion

RAPID FIRE SESSION 5D: Total Knee

Moderators: Paul F. Lachiewicz, MD, *Duke University/Chapel Hill Orthopedics Surgery & Sports Medicine*
 Michael P. Bolognesi, MD, *Duke University School of Medicine*

9:40 am – 9:44 am Accuracy of Intraoperative Robotic-Arm Assisted Unicompartamental Knee Replacement Coronal Alignment with Standing Long Leg Postoperative Alignment
Martin Roche, MD, Holy Cross Hospital

9:44 am – 9:48 am Albumin versus ASA Score: Predicting Complications Following Total Knee Arthroplasty
Michael Bergen, BS, Duke University School of Medicine

9:48 am – 9:52 am Comparing Influencing Patient Factors for 90-Readmission Between Medicare and Private Payor Patients
Claire Howell, BS, Duke University School of Medicine

9:52 am – 9:56 am Anti-Fibrinolytics are Dosed Inappropriately in Joint Replacement Surgery
Alexander Hysong, BA, Vanderbilt University School of Medicine

9:56 am – 10:00 am Discussion

10:00 am – 10:04 am Risk Factors for 30-Day Readmission Following Total Knee Arthroplasty
Sameer Naranje, MD, University of Alabama at Birmingham

10:04 am – 10:08 am Do Corticosteroids Blunt the Peri-Operative Acute Phase Response After Total Knee Arthroplasty?
Adam Brekke, MD, Vanderbilt Orthopaedic Institute

10:08 am – 10:12 am Too Fat for Joint Replacement: The Fate of the Morbidly Obese Patient With Joint Pain
Russell A. Reeves, MD, Medical University of South Carolina

10:12 am – 10:16 am Accuracy of Tibial Slope Estimation in Total Knee Arthroplasty
Connor A Ojard, MD, Ochsner Clinic Foundation

10:16 am – 10:20 am Discussion

10:20 am – 10:24 am Does Robotic Assisted Surgery Improve Early Outcome in Total Knee Arthroplasty?
Samrath Bhimani, MD, University of Louisville

10:24 am – 10:28 am	Outcomes of Articulating Spacers With Autoclaved Femoral Components in Total Knee Arthroplasty Infection <i>Daniel Goltz, BS, Duke University</i>
10:28 am – 10:32 am	Time-to-Surgery and Short-Term Clinical Outcomes in Periprosthetic Knee Fractures <i>Sameer Naranje, MD, University of Alabama at Birmingham</i>
10:32 am – 10:36 am	Complications After Total Joint Arthroplasty in Patients Undergoing Peritoneal Dialysis <i>Aaron Casp, MD, University of Virginia</i>
10:36 am – 10:40 am	Discussion
10:40 am – 11:00 am	Break – Please visit Exhibits

SYMPOSIUM 4: Obesity in Orthopaedics-How Best to Manage These Patients?

Moderator: James A. Keeney MD, *University of Missouri School of Medicine*

11:00 am – 11:05 am	Introduction to the Orthopaedic Bariatric Patient <i>James A. Keeney, MD, Univeristy of Missouri School of Medicine</i>
11:05 am – 11:15 am	Bariatric Orthopaedic Surgery-Peroperative Patient Optimization <i>Gregory Polkowski, MD, Vanderbilt University School of Medicine</i>
11:15 am – 11:25 am	Bariatric Surgery Timing and Outcomes <i>Ryan M. Nunley, MD, Washington University School of Medicine</i>
11:25 am – 11:35 am	No Limits—Reducing Infection Risk in the Obese Patient <i>Lucian C. Warth, MD, Indiana University School of Medicine</i>
11:35 am – 11:45 am	Reducing Late Complication Risks in the Obese Patient <i>James A. Keeney, MD, University of Missouri School of Medicine</i>
11:45 am – 12:00 pm	Discussion and Questions
12:00 pm – 12:30 pm	Focused Lunch Presentation *CME Credit Not Available

SYMPOSIUM 5: Ask the Experts: Peri-Operative Management of the Total Joint Patient

Moderator: Javad Parvizi, MD, FRCS, *Thomas Jefferson University/Rothman Institute*

12:30 pm – 1:20 pm	Panel Discussion and Case Presentation Panel: <i>C. Lowry Barnes, MD, University of Arkansas for Medical Sciences</i> <i>Michael P. Bolognesi, MD, Duke University School of Medicine</i> <i>Brian A. Jewett, MD, Slocum Center for Orthopedics and Sports Medicine</i> <i>Lucian Warth, MD, Indiana University School of Medicine</i> <i>Andrew A. Shiner, MD, Vanderbilt University School of Medicine</i>
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RESIDENT & NEW IN PRACTICE SYMPOSIUM: Young Practitioner Forum How to Get Started and Succeed

Moderators: Lisa K. Canada, MD, *Saint Louis University School of Medicine*
Ryan M. Nunley, MD, *Washington University School of Medicine*

1:30 pm – 3:00 pm	Panel Discussion and Small Group Round Tables <i>Faculty and Medical Students/Residents/Fellows/Early Career Orthopedists</i>
3:00 pm – 4:00 pm	Scientific E-Poster Session (Presenters are available to answer questions.)
4:00 pm – 5:00 pm	Multimedia Education Session

Saturday, July 14

6:00 am – 7:00 am	Scientific E-Poster Session (Presenters are available to answer questions.)
7:00 am – 7:15 am	Second Business Meeting
7:15 am – 7:20 am	Announcements <i>Ryan M. Nunley, MD, Program Chair</i>

SESSION 6: Abstract Presentations

Moderators: Ryan M. Nunley, MD, *Washington University School of Medicine*
Samuel I. Brown, MD, *Sports Medicine and Orthopaedics Center*

7:20 am – 7:26 am	Alabama Orthopaedic Society Award Winner The Introduction of a Pre-Operative MRI Protocol Significantly Reduces Unplanned Return to the Operating Room in the Treatment of Pediatric Osteoarticular Infections <i>Charles Pitts, MD, University of Alabama at Birmingham</i>
7:26 am – 7:32 am	Georgia Orthopaedic Society Outcomes of Elmslie-Trillat Osteotomy for the Treatment of Patellar Dislocations Using a Minimally Invasive Technique <i>Ian Gao, MD, Emory University</i>
7:32 am – 7:38 am	Virginia Orthopaedic Society Award Winner Understanding and Perceptions of Overlapping Surgery Among Orthopaedic Trauma Patients <i>Cody Evans, MD, University of Virginia</i>
7:38 am – 7:44 am	Thresholds in Percentage of Maximal Outcome Improvement Following Shoulder Arthroplasty <i>Derek Berglund, MD, Holy Cross Orthopedic Institute</i>
7:44 am – 7:50 am	A Higher Altitude is an Independent Risk Factor for Venous Thromboembolism following Total Hip Arthroplasty <i>Dhanur Damodar, MD, University of Miami</i>
7:50 am – 7:55 am	Discussion

7:55 am – 8:01 am	Release of Tibialis Posterior Muscle Osseofascial Sheath for Exertional Compartment Syndrome: Impact on Long-term Results <i>Adam Boissonneault, MD, Emory University</i>
8:01 am – 8:07 am	Opioid Consumption after Knee Arthroscopy <i>Robert Wojahn, MD, Washington University</i>
8:07 am – 8:13 am	Are Radiographs in the Recovery Room Following Total Hip Arthroplasty Cost-Effective Compared to Intra-Operative Fluoroscopy? <i>Stephen Duncan, MD, University of Kentucky</i>
8:13 am – 8:19 am	Reduction of Hip Arthroscopy Post-Operative Pain Using Ultrasound-Guided Fascia-Iliaca Block: A Prospective Randomized Control Trial <i>John Glomset, MD, Steadman Hawkins Clinic of the Carolinas</i>
8:19 am – 8:25 am	Comparison of Implant Survivability in Total Joint Arthroplasty Among Opioid Abusers and Non-Opioid Abusers: A Retrospective Analysis <i>Ajit Vakharia, BS, Morehouse School of Medicine</i>
8:25 am – 8:30 am	Discussion
8:30 am – 9:00 am	Focused Brunch Presentation *CME Credit Not Available

SYMPOSIUM 6: Management of the Throwing Athlete

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

9:00 am – 9:55 am	Introduction of Speakers <i>Scott D. Mair, MD, University of Kentucky Sports Medicine</i>
9:05 am – 9:15 am	Title TBD <i>R. Alexander Creighton, MD, CAQSM, University of North Carolina Orthopaedics</i>
9:15 am – 9:25 am	Title TBD <i>Christopher Jones, MD, Kaiser Permanente of Georgia</i>
9:25 am – 9:35 am	Title TBD <i>Kevin W. Farmer, MD, University of Florida Orthopaedics and Sports Medicine Institute</i>
9:35 am – 9:45 am	Title TBD <i>Brian C. Werner, MD, University of Virginia School of Medicine</i>
9:45 am – 9:55 am	Discussion and Questions
9:55 am – 10:20 am	Break – Please visit Exhibits

GENERAL SESSION 7: BOC Report and Presidential Address

Moderator: Ryan M. Nunley, MD, *Washington University School of Medicine*

10:20 am – 10:30 am **BOC Report**
Frederick C. Flandry, MD, FACS, The Hughston Clinic

10:30 am – 10:35 am **Introduction of Presidential Address**
Ryan M. Nunley, MD, Washington University School of Medicine

10:35 am – 11:05 am **Presidential Address**
Rules of Engagement for the Orthopedic Surgeon. Why Bother?
Matthew J. Matava, MD, Washington University School of Medicine

SYMPOSIUM 7: Opioids in the Orthopaedic Patient

Moderator: Simon Mears, MD, *University of Arkansas Medical School*

11:05 am – 11:20 am Practical Tips for Opioid Management by the Orthopaedic Surgeon
Simon Mears, MD, University of Arkansas Medical School

11:20 am – 11:35 am Cleveland Clinic Narcotic Free Program: How to better manage our patients
Carlos Higuera Rueda, MD, Cleveland Clinic Florida

11:35 am – 11:55 am TBD

11:55 am – 12:00 pm Discussion and Questions

RAPID FIRE SESSION 8A: Hand/Upper Extremity

Moderators: Richard H. Gelberman, MD, *Washington University School of Medicine*
Vincent D. Pellegrini Jr., MD, *Medical University of South Carolina*

12:00 pm – 12:04 pm Comparison of Cosmesis and Cost with Absorbable versus Non-Absorbable Closure in Minor Hand Surgery
David Barcel, MD, Medical University of South Carolina

12:04 pm – 12:08 pm The Effect of Topical Anesthetic on Sterility for Local Injections of the Hand
Jacob Braunstein, MD, Medical University of South Carolina

12:08 pm – 12:12 pm Reducing Cost by Using a Smaller Tray in Hand Surgery
Philip Kirn, MD, PharmD, Medical University of South Carolina

12:12 pm – 12:16 pm Frailty, As Measured by the 5-Item Modified Frailty Index, Predicts Complications, Readmission, Reoperation, And Hospital Length of Stay in Elderly Patients Undergoing Surgical Management of Distal Radius Fractures
Jacob Wilson, MD, Emory University

12:16 pm – 12:20 pm Discussion

12:20 pm – 12:24 pm Incidence, Prevalence, and Treatment Trends of Radial Tunnel Syndrome
William Melton, MD, Palmetto Health - University of South Carolina Orthopaedic Center

12:24 pm – 12:28 pm	Effectiveness of Amnion Fluid Injection in Treatment of Trigger Finger <i>Michael Quinet, BS, Augusta University/University of Georgia Medical Partnership</i>
12:28 pm – 12:32 pm	Correlation of Multiple Patient Reported Outcome Measures Across Follow-Up in Patients Undergoing Primary Shoulder Arthroplasty <i>Martin Laquerre, MPH, University of Florida</i>
1:32 pm – 1:36 pm	The Normalized Constant Score Strongly Correlates with PRO Measures Following Primary Shoulder Arthroplasty <i>Rowan Michael, MD, University of Florida</i>
1:36 pm – 12:40 pm	Discussion
12:40 pm – 12:44 pm	Flexor Tenosynovectomy for Recurrent Carpal Tunnel Syndrome: A Case Series of 108 Hands <i>Chase Kluemper, MD, University of Tennessee College of Medicine Chattanooga</i>
12:44 pm – 12:48 pm	Incidence of Surgical Repair of Distal Radius Fractures and its effect on Salvage Procedures <i>Patrick O'Callaghan, MD, Medical University of South Carolina</i>
12:48 pm – 12:52 pm	Effect of Restoring Lateral Glenohumeral Offset on Patient Outcomes Following Anatomic Total Shoulder Arthroplasty <i>Justin Rabinowitz, MD, Medical University of South Carolina</i>
12:52 pm – 12:56 pm	Radiographic Comparison of Stemmed and Stemless Shoulder Arthroplasty <i>Adam Archie, BS, University of Alabama at Birmingham</i>
12:56 pm – 1:00 pm	Discussion

RAPID FIRE SESSION 8B: Foot/Ankle/Tumor/Other

Moderators: Ryan M. Nunley, MD, *Washington University School of Medicine*
James A. Keeney, MD, *University of Missouri School of Medicine*

12:00 pm – 12:04 pm	Percutaneous Screw Fixation - Talonavicular Fusion: Neurovascular Structures at Risk <i>Ashish Shah, MD, University of Alabama at Birmingham</i>
12:04 pm – 12:08 pm	Outcomes of Inpatient versus Outpatient Elective Foot and Ankle Surgery <i>Samuel Huntley, BSc, University of Alabama at Birmingham</i>
12:08 pm – 12:12 pm	Effectiveness of a Novel Sandal for the Treatment of Heel and Foot Pain <i>Meredith Warner, MD, Warner Orthopedics and Wellness</i>
12:12 pm – 12:16 pm	Hemi versus Total Joint Arthroplasty for Moderate to Severe Hallux Rigidus: A Systematic Review and an Meta-Analysis <i>Ashish Shah, MD, University of Alabama at Birmingham</i>

12:16 pm – 12:20 pm	Discussion
12:20 pm – 12:24 pm	A Multicentered Prospective Randomized Controlled Trial of Negative Pressure Wound Therapy for Preoperatively Irradiated Soft Tissue Sarcoma Wounds - Early Results <i>Sophia Traven, MD, Medical University of South Carolina</i>
12:24 pm – 12:28 pm	Pigmented Villonodular Synovitis of the Knee: Diagnostic Trends and Surgical Management <i>Aaron Casp, MD, University of Virginia</i>
12:28 pm – 12:32 pm	Colon Cancer History Does Not Affect Outcomes/Cost after THA <i>Samuel Rosas, MD, Wake Forest School of Medicine</i>
12:32 pm – 12:36 pm	Outcomes of Reamer Irrigator Aspirator in metastatic femoral intramedullary nails <i>Alexandra Callan, MD, University of Texas Southwestern Medical Center</i>
12:36 pm – 12:40 pm	Discussion
12:40 pm – 12:44 pm	The Use of Carbon Fiber Implants for Impending or Existing Pathological Fractures <i>Leah Herzog, MD, Medical University of South Carolina</i>
12:44 pm – 12:48 pm	Validation of the Patient Reported Outcomes Measurement Information System (PROMIS) Instruments for Symptomatic Rotator Cuff Tears <i>Brendan Patterson, MD, MPH, University of Iowa</i>
12:48 pm – 12:52 pm	One-Year Global Unplanned Reoperation Rates: a Useful Quality Metric in Orthopaedic Surgery? <i>Olufemi Adams, BA, BS, University of Chicago - Pritzker School of Medicine</i>
12:52 pm – 12:56 pm	The Grassroots are Smoldering: is There Evidence to Support Maintenance of Certification <i>Guy Foulkes, MD, OrthoGeorgia</i>
12:56 pm – 1:00 pm	Discussion

RAPID FIRE SESSION 8C: Pediatrics

Moderators: Robert Fitch, MD, *Duke University School of Medicine*
Gregory A. Mencio, MD, *Vanderbilt University School of Medicine*

12:00 pm – 12:04 pm	Age and Obesity in Pediatric Lateral Condyle Fracture Treatment <i>John King, MD, University of Kentucky</i>
12:04 pm – 12:08 pm	Are Sequential Slipped Capital Femoral Epiphyses Truly Sequential? <i>Asa Shnaekel, MD, MPH, University of Arkansas for Medical Science</i>
12:08 pm – 12:12 pm	What They Want - Caregiver Immobilization Preferences For Pediatric Buckle Fractures

Noel Palumbo, BS, University of Florida

- 12:12 pm – 12:16 pm Surgical Complications Using Magnetically Controlled Growing Instrumentation for Early Onset Scoliosis: A Systematic Review of the Literature
K. Aaron Shaw, DO, Dwight D. Eisenhower Army Medical Center
- 12:16 pm – 12:20 pm Discussion
- 12:20 pm – 12:24 pm Single Incision Percutaneous Epiphysiodesis is Safe and Effective
Jessica McQuerry, MD, University of Kentucky
- 12:24 pm – 12:28 pm SoftCast for the Early Management of Clubfoot: The UF Experience
Jorge Gil, MD, University of Florida
- 12:28 pm – 12:32 pm Intra-Articular Monteggia Fracture: Using the CORA to Improve an Outcome
Samuel Posey, BS, Vanderbilt University School of Medicine
- 12:32 pm – 12:36 pm Achilles tenotomy protects against rapid recurrence of clubfoot
Rachel Michael, MD, University of Toledo Medical Center
- 12:36 pm – 12:40 pm Discussion
- 12:40 pm – 12:44 pm Transadductor approach for drainage of peripelvic musculature in the pediatric population
Anna Johnson, MD, University of South Alabama
- 12:44 pm – 12:48 pm Buckling Down on Torus Fractures - Assessing Provider Preferences, Barriers and Influential Factors
Brendan Williams, MD, University of Florida
- 12:48 pm – 12:52 pm Vitamin D Trends in the Pediatric Orthopaedic Population: A Survey
Kevin Williams, MD, Palmetto Health - University of South Carolina Orthopaedic Center
- 12:52 pm – 12:56 pm Is Postoperative Admission Necessary Following Lengthening of Spinal Growing Implants? An Analysis of the National Surgical Quality Improvement Program – Pediatrics
K. Aaron Shaw, DO, Dwight D. Eisenhower Army Medical Center
- 12:56 pm – 1:00 pm Discussion

RAPID FIRE SESSION 8D: Spine

Moderators: Gregory Grabowski, MD, *University of South Carolina School of Medicine*
 Christopher A. Heck, MD, *Southern Orthopaedic Surgeons*

- 12:00 pm – 12:04 pm Hypothyroidism Increases 90-Day PostOperative Complications in Patients Undergoing Anterior Cervical Discectomy and Fusion (ACDF): A Retrospective Analysis
Bijan Ameri, DO, Broward Health Medical Center

12:04 pm – 12:08 pm	Surgical Reduction of Low-Grade Adult Isthmic and Degenerative Spondylolisthesis Does Not Affect Complication Rates <i>Josh Barber, MD, University of Missouri</i>
12:08 pm – 12:12 pm	The Impact of Prophylactic Intraoperative Vancomycin Powder on Microbial Profile, Antibiotic Regimen, Length of Stay, and Reoperation Rate in Elective Spine Surgery <i>Zachary Grabel, MD, Emory University</i>
12:12 pm – 12:16 pm	A Preoperative Multidisciplinary Conference for Pediatric Spinal Deformity Patients Reduces Surgical Cancellations and Improves Standardization of Care <i>David Bumpass, MD, Arkansas Children's Hospital</i>
12:16 pm – 12:20 pm	Discussion
12:20 pm – 12:24 pm	Risk Factors for Extended Length of Stay and Readmission following ACDF <i>Brian Dial, MD, Duke University Medical Center</i>
12:24 pm – 12:28 pm	Factors Associated with Length of Stay and Readmission following Microdiscectomy <i>Valentine Esposito, BA, Duke University School of Medicine</i>
12:28 pm – 12:32 pm	A Retrospective Comparative Analysis on the Effect of Tranexamic Acid to Reduce Perioperative Blood Loss in Patients Undergoing Cervical Spine Surgery <i>Adam Money, MD, Palmetto Health - Univeristy of South Carolina Orthopaedic Center</i>
12:32 pm – 12:36 pm	Tobacco use predicts a more difficult episode of care after elective anterior cervical discectomy and fusion <i>Daniel Wells, MD, University of Tennessee - Campbell Clinic</i>
12:36 pm – 12:40 pm	Discussion
12:40 pm – 12:44 pm	Anterior Cervical Plate Position and Clinical Outcomes in ACDF <i>Tyler White, MD, Louisiana State University</i>
12:44 pm – 1:48 pm	Interim Study Results of Anterior Cervical Fusion Using a Porous PEEK Interbody Implant <i>J. Kenneth Burkus, MD, The Hughston Clinic</i>
1:48 pm – 12:52 pm	Two-Level Cervical Disc Arthroplasty Compared with Fusion. Ten-year Clinical and Radiographic Analysis <i>R. Paul Waldrop, BS, The Hughston Clinic</i>
12:52 pm – 12:56 pm	Surgical Positioning for Traumatic Hyperextension-Distracton Injuries of the Thoracolumbar Spine: A Technical Note <i>Carly Cignetti, BS, University of Alabama at Birmingham</i>

12:56 pm – 1:00 pm

Discussion

1:00 pm – 2:00 pm

Multimedia Education Session