

**SOA Scientific Program**  
**The Westin Hilton Head Island Resort & Spa**  
**Hilton Head Island, SC**  
**Calibogue & Danner Rooms (Unless Otherwise Specified)**  
**June 28-July 1, 2017**  
(Presenters and times are subject to change.)

**Thursday, June 29**

6:00 am – 6:45 am      **Scientific E-Poster Session** (Presenters will be available to answer questions.) (*Elliot, Drayton, Heyward & Camelia Rooms*)

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

7:00 am – 7:05 am      **Welcome and Announcements**  
*Samuel I. Brown, MD, President*  
*Robert D. Zura, MD, Program Chair*

**GENERAL SESSION 1: Resident Awards**

Moderators:    Robert D. Zura, MD, *Louisiana State University Health Sciences Center*  
                     Samuel I. Brown, MD, *Sports Medicine and Orthopaedics Center*

7:05 am – 7:11 am      SOA Presidents' Resident Award  
Pulsatile Lavage Of Musculoskeletal Wounds Causes Myonecrosis And  
Dystrophic Calcification  
*Alexander M. Chiamonti, MD, Medical University of South Carolina*

7:11 am – 7:17 am      Harley & Betty Baxter Resident Award  
Adductor Canal vs. Femoral Nerve Block In ACL: RCT  
*William S. Godfrey, MD, Emory University*

7:17 am – 7:23 am      Harley & Betty Baxter Resident Award  
Is There A Threshold Value Of Hemoglobin A1c That Predicts Risk Of  
Infection Following THA?  
*Jourdan M. Cancienne, MD, University of Virginia*

7:23 am – 7:29 am      SOA/OREF Resident Award  
Motorcycles And Helmets: Dangers Of Repealing Universal Helmet Laws  
*Robert Runner, MD, Emory University*

7:29 am – 7:35 am      SOA/OREF Resident Award  
Hindfoot Arthritis Progression And Arthrodesis Risk After Total Ankle  
Replacement At A Minimum Of Five Years Follow-Up  
*Travis J. Dekker, MD, Duke University*

7:35 am – 7:40 am      Discussion

7:40 am – 7:46 am      SOA/OREF Resident Award

Nonunion And Reoperation Rate After Internal Fixation Of Adult Proximal Femur Fractures: A Systematic Review And Meta-Analysis  
*Riikka E. K. Nomides, MD, Duke University*

- 7:46 am – 7:52 am Harley & Betty Baxter Resident Travel Grant Award  
Fewer Complications Following Revision Hip And Knee Arthroplasty In Patients With Normal Vitamin D Levels  
*Sophia A. Traven, MD, Medical University of South Carolina*
- 7:52 am – 7:58 am SOA Resident Travel Grant Award  
Maximizing Efficiency When Rescheduling Cancelled Surgeries  
*Michael M. Hadeed III, MD, University of Virginia*
- 7:58 am – 8:04 am SOA Resident Travel Grant Award  
Utilization Of Vertebroplasty And Kyphoplasty Throughout The United States  
*Joseph L. Laratta, MD, The Spine Hospital at Columbia University Medical Center*
- 8:04 am – 8:10 am SOA Resident Travel Grant Award  
In-Vivo Chondrotoxicity Of Intra-Articular Infiltration Of Liposomal Bupivacaine In A Porcine Model  
*K. Aaron Shaw, DO, Dwight D. Eisenhower Army Medical Center*
- 8:10 am – 8:15 am Discussion

**RAPID FIRE SESSION 2A: Sports/Other (Elliot Room)**

Moderators: James H. Armstrong, MD, *Southern Orthopaedic Surgeons, LLC*  
Col Robert T. Sullivan, MD, *Eglin Airforce Base*

- 8:20 am – 8:24 am Implant Removal And Spacer Placement For The Infected Shoulder Arthroplasty  
*Brian C. Werner, MD, University of Virginia*
- 8:24 am – 8:28 am SSV Correlates Well With ASES In RCR And SA Patients  
*Julia Retzky, BA, Johns Hopkins University School of Medicine*
- 8:28 am – 8:32 am Biomechanical Characteristics Of The Wiese Knot Using High-Strength Suture Materials  
*CPT Sally A. Corey, DO, Dwight D. Eisenhower Army Medical Center*
- 8:32 am – 8:37 am Discussion
- 8:37 am – 8:41 am Infection Risk Following Shoulder Arthroscopy: Analysis Of 422,245 Patients  
*Brian C. Werner, MD, University of Virginia*
- 8:41 am – 8:45 am Correlating Intra-Operative Hamstring Autograft Size With Anthropometric And MRI Measurements  
*CPT Sally A. Corey, DO, Dwight D. Eisenhower Army Medical Center*

- 8:45 am – 8:49 am Injury Rates And Characteristics In Professional Ultimate Frisbee  
*Matthew Hess, BS, University of Alabama School of Medicine*
- 8:49 am – 8:53 am Outcomes Allograft ACL Reconstruction —Comparison Sterilization Methods And Source Tissue  
*Timothy P. McCarthy, MD, Emory University*
- 8:53 am – 9:00 am Discussion

**RAPID FIRE SESSION 2B: Total Joints (Drayton Room)**

Moderators: H. Clayton Thomason III, MD, *Carolina Orthopaedic & Sports Medicine*  
James A. Browne, MD, *University of Virginia*

- 8:20 am – 8:24 am Patient Preferences Regarding Anticoagulation Prophylaxis For Venous Thromboembolism After Total Hip And Knee Replacement  
*Leland Stoddard, BS, Medical University of South Carolina*
- 8:24 am – 8:28 am Risk Factors For Postoperative Urinary Retention After Total Hip Arthroplasty  
*Charles M. Lawrie, MD, University of Miami Hospital/Jackson Memorial Hospital*  
*\*Presented by Samuel Rosas, MD*
- 8:28 am – 8:32 am Comparing Outcomes And Metal Ion Levels Between Low And Medium Radial Clearance Hip Resurfacing Systems  
*Lindsay T. Kleeman, MD, Duke University*
- 8:32 am – 8:37 am Discussion
- 8:37 am – 8:41 am Cannabis Increases The Risk For Revision After Total Knee Arthroplasty  
*Martin W. Roche, MD, Holy Cross Orthopedic Institute*  
*\*Presented by Jennifer Kurowicki, MD*
- 8:41 am – 8:45 am Nutrition Status Predicts Length Of Stay In Two-Stage Management Of Prosthetic Joint Infection  
*Brian T. Grisez, MD, West Virginia University*
- 8:45 am – 8:49 am Decreased Time To Return To Work Using Robotic-Assisted Unicompartamental Knee Arthroplasty Compared To Conventional Techniques  
*Alexander H. Jinnah, MD, Wake Forest School of Medicine*
- 8:49 am – 8:53 am Is There A Difference Between Cemented And Uncemented Femoral Stems In Revision Knee Arthroplasty?  
*Paul F. Lachiewicz, MD, Chapel Hill Orthopedics Surgery & Sports Medicine/Duke University*
- 8:53 am – 9:00 am Discussion

**RAPID FIRE SESSION 2C: Hand/Upper Extremity (Heyward Room)**

Moderators: James R. Urbaniak, MD, *Duke University Medical Center*

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

- 8:20 am – 8:24 am      Primary Biceps Tenodesis vs. Repair For Type II SLAP Tears In Patients Under 30 Years Old  
*Patrick W. Joyner, MD, Naval Medical Center Portsmouth*
- 8:24 am – 8:28 am      90 Day Readmission Rates Following Primary Shoulder Arthroplasty  
*Manisha R. Chand, MD, Cleveland Clinic Florida*
- 8:28 am – 8:32 am      Fatty Atrophy, Positive Tangent Sign, And RC Tears On TSA  
*W. Stephen Choate, MD, Steadman Hawkins Clinic of the Carolinas*
- 8:32 am – 8:37 am      Discussion
- 8:37 am – 8:41 am      Ultrasound-Guided Aspiration Does Not Reduce Recurrence Of Wrist Ganglion Cysts  
*Gregory Kurkis, MD, Emory University*
- 8:41 am – 8:45 am      Trends In Management Of Radial Head And Olecranon Fractures  
*Derek D. Berglund, MD, Holy Cross Orthopedic Institute*
- 8:45 am – 8:49 am      Operative Techniques And Clinical Outcomes For The Surgical Treatment Of Medial Epicondylitis: A Systematic Review  
*Stephen Thon, MD, Tulane University*
- 8:49 am – 8:53 am      Ultrasonography vs. EMG/NCS In Diagnosis Of Nerve Entrapment At Elbow  
*Poonam Dalwadi, BS, Emory University*
- 8:53 am – 9:00 am      Discussion

**RAPID FIRE SESSION 2D: Outcomes/Basic Science** (*Camelia Room*)

Moderators:    Lee R. Leddy, MD, *Medical University of South Carolina*  
                  Chetan S. Deshpande, MD, *Memorial University Medical Center*

- 8:20 am – 8:24 am      The Hidden Cost Of Training Orthopaedic Surgery Residents To Perform An Open Carpal Tunnel Release  
*Dane Daley, MD, Medical University of South Carolina*
- 8:24 am – 8:28 am      Outcomes Of Distal Humerus Fractures: What Are We Measuring?  
*Ali Zarezadeh, MD, University of Florida*
- 8:28 am – 8:32 am      Post Market Surveillance Using Patient Reported Outcome Measures  
*Steven T. DiSegna, MD, University of Massachusetts Memorial Medical Center*
- 8:32 am – 8:39 am      Discussion
- 8:39 am – 8:43 am      The Tritomic Approach: A Triceps-Sparing Posterior Approach To The Elbow

*Samrath Bhimani, BS, Mercer University School of Medicine*

8:43 am – 8:47 am      Stenosing Tenosynovitis: An Exploration of Glucocorticoid Induced Heterotopic Ossification  
*Austinn Miller, BS, Mercer University School of Medicine*

8:47 am – 8:51 am      Proteasome Inhibitors Induce Differentiation, Cell Cycle Arrest And Apoptosis In Osteosarcoma  
*Ali Zarezadeh, MD, University of Florida*

8:51 am – 9:00 am      Discussion

9:00 am – 9:20 am      **Break – Please visit Exhibits** (Archer, Barnwell Rooms & Savannah Foyer)

**GENERAL SESSION 3: OREF Report & Presidential Guest Speaker**

Moderator:    Samuel I. Brown, MD, *Sports Medicine and Orthopaedics Center*

9:20 am – 9:25 am      OREF Report

9:25 am – 9:30 am      Introduction of Presidential Guest Speaker  
*Samuel I. Brown, MD, Sports Medicine and Orthopaedics Center*

9:30 am – 10:00 am    Leadership Through Chaos  
*Kevin D. Plancher, MD, Albert Einstein College of Medicine*

**RAPID FIRE SESSION 4A: Sports/Upper Extremity** (*Elliot Room*)

Moderators:    Kevin W. Farmer, MD, *University of Florida Orthopaedics and Sports Medicine Institute*  
                  Claude T. Moorman III, MD, *Duke University Medical Center*

10:05 am –10:09 am    Economic Impact of Community Sports Coverage by Outreach Athletic Trainers  
*Jeannie Buckner, BS, Medical University of South Carolina*  
*\*Presented by Harris Slone, MD*

10:09 am –10:13 am    Risk Factors For Prolonged Narcotic Use Following Rotator Cuff Repair  
*Brian C. Werner, MD, University of Virginia*

10:13 am –10:17 am    Five-Year Outcome Following Arthroscopic Repair Of Isolated Partial-Thickness Rotator Cuff Tears  
*Alexander R. Vap, MD, Virginia Commonwealth University*

10:17 am –10:20 am    Discussion

10:20 am –10:24 am    Biomechanical Strength Of Rotator Cuff Repairs: A Meta-Regression Analysis  
*Brendan Shi, BS, Johns Hopkins School of Medicine*

10:24 am –10:28 am    Influence of Level 1 Evidence On Management Of Clavicle And Distal Humerus Fractures: A Nationwide Comparative Study Of Records From 2005 To 2014  
*Jennifer Kurowicki, MD, Holy Cross Orthopedic Research Institute*

10:28 am –10:32 am      A Comprehensive Re-Analysis Of The Distal Iliotibial Band  
*Jonathan A. Godin, MD, MBA, Steadman Philippon Research Institute*  
*\*Presented by Alexander R. Vap, MD*

10:32 am –10:35 am      Discussion

**RAPID FIRE SESSION 4B: Trauma** (*Drayton Room*)

Moderators:    Paul B. Gladden, MD, *Tulane University School of Medicine*  
                    Kristoff R. Reid, MD, *Duke University*

10:05 am –10:09 am      Allograft Augmentation Of Extensor Mechanism For Chronic Patellar  
Tendon Ruptures: A Case Series  
*Patrick W. Joyner, MD, Naval Medical Center Portsmouth*  
*\*Presented by Hicks C. Manson, MD*

10:09 am –10:13 am      Considerations To Reduce Saphenous Neurovascular Bundle Injury During  
Syndesmosis Fixation  
*Guadalupe de la Fuente, MD, Baylor Scott & White*

10:13 am –10:17 am      Disparities In Follow-Up Care For Ballistic Long Bone Lower Extremity  
Fractures  
*Robert Runner, MD, Emory University*

10:17 am –10:20 am      Discussion

10:20 am –10:24 am      Risk Factors For Early Failure After CRPP Of Femoral Neck Fractures  
*Cody L. Evans, MD, University of Virginia*

10:24 am –10:28 am      Factors Associated With Successful Glenohumeral Joint Relocation With  
Closed Manipulation After Proximal Humerus Fracture-Dislocations  
*Ian Al'khafaji, MD, Wake Forest Baptist Medical Center*

10:28 am –10:32 am      Diaphyseal And Distal Femur Fracture Complications: Systematic Review  
And Meta-Analysis  
*Riikka E. K. Nomides, MD, Duke University*

10:32 am –10:35 am      Discussion

**RAPID FIRE SESSION 4C: Total Knee** (*Heyward Room*)

Moderators:    Riyaz H. Jinnah, MD, FRCS, *Wake Forest School of Medicine*

10:05 am –10:09 am      Is Outpatient Total Knee Arthroplasty Safe And Effective?  
*Lacey Giambelluca Lavie, BS, Louisiana State University Health Sciences  
Center*  
*\*Presented by Jack E. McKay, MD*

10:09 am –10:13 am      Optimizing Pain Management Following Total Knee Arthroplasty  
*Juan C. Suarez, MD, Cleveland Clinic Florida*

- 10:13 am –10:17 am      The Role Of Hemoglobin A1c In Predicting Periprosthetic Joint Infection Following TKA  
*Jourdan M. Cancienne, MD, University of Virginia*
- 10:17 am –10:20 am      Discussion
- 10:20 am –10:24 am      Trends in Opioid Use Before and After Total Knee Arthroplasty  
*Beau J. Kildow, MD, Duke University*
- 10:24 am –10:28 am      Risk Factors For Repeat Debridement, Spacer Retention, Amputation, Arthrodesis, And Mortality After Removal Of An Infected TKA With Spacer Placement  
*Jourdan M. Cancienne, MD, University of Virginia*
- 10:28 am –10:32 am      Albumin, Prealbumin, And Transferrin May Be Predictive Of Wound Complications Following Total Knee Arthroplasty  
*Martin W. Roche, MD, Holy Cross Orthopedic Institute*  
*\*Presented by Samuel Rosas, MD*
- 10:32 am –10:35 am      Discussion

**RAPID FIRE SESSION 4D: Other (Camelia Room)**

Moderator:      George W. Brindley, MD, *Texas Tech University*  
                         Michael S. Shuler, MD, *Athens Orthopaedic Clinic*

- 10:05 am –10:09 am      Trends and Risks In Orthopedic Lawsuits: National Legal Database Review  
*Kyle Cichos, BS, University of Alabama at Birmingham*
- 10:09 am –10:13 am      Orthopaedic Specialty University Hospitals: Do They Provide Better Outcomes?  
*Jimmy Daruwalla, MD, Emory University*  
*\*Presented by Poonam Dalwadi, BS*
- 10:13 am –10:17 am      Readability Of Orthopaedic Patient-Reported Outcome Measures: Is There A Fundamental Failure To Communicate?  
*Zachary A. Mosher, BS, University of Alabama at Birmingham*  
*\*Presented by Kyle Cichos, BS*
- 10:17 am –10:20 am      Discussion
- 10:20 am –10:24 am      Check-In Kiosks: The Future Of Healthcare Administration  
*Zachary A. Mosher, BS, University of Alabama at Birmingham*  
*\*Presented by Sung R. Lee, BS*
- 10:24 am –10:28 am      The Effect Of Residency Training On Arthroscopic Knot Tying And Knot Stability  
*Kevin Cronin, MD, University of Kentucky*
- 10:28 am –10:32 am      Prosthetic Joint Infection Trends At A Dedicated Orthopaedics Specialty Hospital  
*Robert Runner, MD, Emory University*

10:32 am – 10:35 am Discussion

10:35 am – 10:55 am **Break – Please visit Exhibits** (Archer, Barnwell Rooms & Savannah Foyer)

### **SYMPOSIUM 1: Sports Medicine Current Concepts Debates**

Moderator: Claude T. Moorman III, MD, *Duke University Medical Center*

#### Grade III MCL Injury With ACL Tear

10:55 am – 11:07 am Treat The MCL Non-Operatively  
*Matthew J. Matava, MD, Washington University School of Medicine*

11:07 am – 11:19 am Repair The MCL  
*Darren L. Johnson, MD, University of Kentucky Sports Medicine*

11:19 am – 11:25 am Discussion

#### Arthroscopic Rotator Cuff Repair

11:25 am – 11:37 am Double Row Repair Is The Gold Standard  
*Claude T. Moorman III, MD, Duke University Medical Center*

11:37 am – 11:49 am Every Cuff Tear Is Different And Only Select Tears. Require A Double Row  
*Kevin W. Farmer, MD, University of Florida Orthopaedics and Sports Medicine Institute*

11:49 am – 11:55 am Discussion

11:55 am – 12:55 pm **SOA Luncheon - Industry Presentation**  
\*CME Credit Not Available

### **SYMPOSIUM 2: Joints**

Moderators: Vinod Dasa, MD, *Louisiana State University Health Sciences Center*

12:55 pm – 1:07 pm Deployment and Outcomes of an Outpatient Protocol in an Inpatient Setting  
*Morteza Meftah, MD, Bronx-Lebanon Hospital Center*

1:07 pm – 1:19 pm Economics Of Outpatient Total Joints  
*John Bottros, MD, OrthoIllinois*

1:19 pm – 1:31 pm Safety And Effectiveness Of rapid Recovery Protocols  
*Vinod Dasa, MD, Louisiana State University Health Sciences Center*

1:31 pm – 1:43 pm Alternative Payment And Care Models For Total Joints  
*Goran Dragolovic, SVP Physician Practice Growth and Transformation for Optum*

1:43 pm – 1:55 pm Discussion



- 1:55 pm – 2:55 pm      **Industry Presentation**  
 Legally Mine  
 \*CME Credit Not Available
- 2:00 pm – 3:00 pm      **Scientific E-Poster Session** (Presenters will be available to answer questions.) (*Elliot, Drayton, Heyward & Camelia Rooms*)
- 3:00 pm – 4:30 pm      **Multimedia Education Session** (*Savannah Foyer*)

**Friday, June 30**

- 6:00 am – 7:00 am      **Scientific E-Poster Session** (Presenters will be available to answer questions.) (*Elliot, Drayton, Heyward & Camelia Rooms*)
- 7:00 am - 7:05 am      **Announcements**  
*Samuel I. Brown, MD, President*  
*Robert D. Zura, MD, Program Chair*

**SYMPOSIUM 3: Pediatric Fractures: We'll Break it Down, A Case Based Symposium**

Moderator: Robert Fitch, MD, *Duke University Medical Center*

- 7:05 am – 8:05 am      Case Presentations  
*Robert Fitch, MD, Duke University Medical Center*  
*William K. Accousti, MD, Louisiana State University Health Sciences Center*  
*Robert K. Lark, MD, Duke University Medical Center*  
*Robert Murphy, MD, Medical University of South Carolina*

**RAPID FIRE SESSION 5A: Total Hip** (*Elliot Room*)

Moderators: C. Lowry Barnes, MD, *University of Arkansas for Medical Sciences*  
 Ryan M. Nunley, MD, *Washington University School of Medicine*

- 8:10 am – 8:14 am      First Time Dislocation Following THA: What Is The Risk Of Subsequent Dislocation And Revision?  
*Jourdan M. Cancienne, MD, University of Virginia*
- 8:14 am – 8:18 am      Residual Symptoms Following Unicompartamental And Total Knee Arthroplasty: Comparable To Controls?  
*Ryan Nunley, MD, Washington University School of Medicine*
- 8:18 am – 8:22 am      Surgical Approach And BMI Can Influence Effectiveness Of TXA Administration In Total Hip Arthroplasty  
*Brian T. Grisez, MD, West Virginia University*
- 8:22 am – 8:27 am      Discussion
- 8:27 am – 8:31 am      Dual-Mobility Implants Successfully Reduced Dislocation Rates In A Series Of High-Risk Total Hip Arthroplasty Patients  
*David Hamilton, MD, University of Kentucky*  
 \*Presented by Kevin Cronin, MD

- 8:31 am – 8:35 am      Role Of Inflammatory Markers In The Pre-Operative Evaluation Of Patients Undergoing Total Hip Arthroplasty Salvage Procedure  
*Jessica Hughes, MD, Baylor Scott and White*  
*\*Presented by Bryce C. Allen, MD*
- 8:35 am – 8:39 am      The Accuracy Of Acetabular Cup Positioning With And Without Fluoroscopy In Anterior Hip Arthroplasty  
*Preetesh Patel, MD, Cleveland Clinic Florida*  
*\*Presented by Juan C. Suarez, MD*
- 8:39 am – 8:43 am      Internet Based Physical Therapy Following Total Hip Arthroplasty  
*Juan C. Suarez, MD, Cleveland Clinic Florida*
- 8:43 am – 8:50 am      Discussion
- RAPID FIRE SESSION 5B: Total Knee** (*Drayton Room*)  
Moderators:    Vinod Dasa, MD, *Louisiana State University Health Sciences Center*  
                  Paul F. Lachiewicz, MD, *Chapel Hill Orthopedics Surgery & Sports Medicine/Duke University*
- 8:10 am – 8:14 am      Optimal Length Of Stay Following Joint Arthroplasty To Reduce Readmission  
*Patricia A. Kirkland, BS, Medical University of South Carolina*
- 8:14 am – 8:18 am      Analysis Of Spanish vs English Speaking Patients Undergoing Total Knee Arthroplasty  
*Adam Wright, MD, Baylor Scott and White*
- 8:18 am – 8:22 am      Outcomes Of Quadriceps Tendon Autograft In Anterior Cruciate Ligament Revision  
*Stephanie Boden, BS, Emory University*
- 8:22 am – 8:27 am      Discussion
- 8:27 am – 8:31 am      The Linea Aspera As A Marker For Intraoperative Femoral Rotation  
*Cody Covington, MD, Baylor Scott & White*
- 8:31 am – 8:35 am      Cluster Analysis Identifies Functional Trajectories Following Total Knee Arthroplasty  
*Steven T. DiSegna, MD, University of Massachusetts Memorial Medical Center*
- 8:35 am – 8:39 am      Short And Long-Term Post-Operative Complications Following Total Joint Arthroplasty In Patients With HIV, Hepatitis B, Or Hepatitis C  
*Beau J. Kildow, MD, Duke University Medical Center*
- 8:39 am – 8:43 am      Risk Of Periprosthetic Joint Infection In Patients With Multiple Arthroplasties  
*W. Parker Abblitt, MD, Vanderbilt University Medical Center*

8:43 am – 8:50 am Discussion

**RAPID FIRE SESSION 5C: Upper Extremity** (*Heyward Room*)

Moderators: L. Andrew Koman, MD, *Wake Forest University*  
Umasuthan Srikumaran, MD, MBA, *Johns Hopkins Medicine*

- 8:10 am – 8:14 am Scapular Notching In Reverse Total Shoulder Arthroplasty  
*Richard Friedman, MD, FRCSC, Medical University of South Carolina*  
*\*Presented by David A. Barcel, MD*
- 8:14 am – 8:18 am Refuting The Lipstick Sign  
*Josef Eichinger, MD, Medical University of South Carolina*  
*\*Presented by Eric Gordon, MD*
- 8:18 am – 8:22 am A Map For SLAPs: How Are Outcomes Measured For Superior Labral Tears Of The Shoulder?  
*Brendan A. Williams, MD, University of Florida*
- 8:22 am – 8:26 am Single-Use Sets For Distal Radius Plating Currently Not Cost Effective  
*Bryce A. Fugarino, MD, Louisiana State University Health Sciences Center*
- 8:26 am – 8:30 am Discussion
- 8:30 am – 8:34 am Head-To-Head Comparison of Costs of Total Shoulder Arthroplasty By Payor  
*Samuel Rosas, MD, Holy Cross Orthopedic Institute*
- 8:34 am – 8:38 am Reducing Cost By Using A Smaller Tray In Hand Surgery  
*Phil T. Kirn, MD, PharmD, Medical University of South Carolina*
- 8:38 am – 8:42 am Patient Perceptions Of Fluoroscopy In The Outpatient Hand Clinic Setting  
*Patrick K. O'Callaghan, MD, Medical University of South Carolina*
- 8:42 am – 8:46 am Distal Clavicular Osteochondral Autograft Augmentation For Glenoid Bone Loss  
*Adam Kwapisz, MD, Steadman Hawkins Clinic of the Carolinas/Greenville Health System*
- 8:46 am – 8:50 am Discussion

**RAPID FIRE SESSION 5D: Foot & Ankle** (*Camelia Room*)

Moderators: J. Benjamin Jackson, MD, *University of South Carolina School of Medicine*  
Frederick C. Flandry, MD, FACS, *The Hughston Clinic*

- 8:10 am – 8:14 am Fixation Of Calcaneal Fractures Through A Mini-Incision Technique  
*Michael Johnson, MD, University of Alabama at Birmingham*  
*\*Presented by Parke W. Hudson, BS*
- 8:14 am – 8:18 am Normal Sonographic Parameters Of Posterior Tibial, Peroneal, And Achilles Tendons

*Christopher Hong Chu, BS, Palmetto Health- University of South Carolina  
Orthopedic Center*

- 8:18 am – 8:22 am Revisiting The Prevalence Of Associated Co-Pathologies In Chronic Lateral Ankle Instability  
*Ibukunoluwa Araoye, MS, University of Alabama at Birmingham*
- 8:22 am – 8:27 am Discussion
- 8:27 am – 8:31 am Lateral Ankle Instability Surgical Treatment: A Comparison Between Primary Repair And Revision Surgery  
*Cesar de Cesar Netto, MD, University of Alabama at Birmingham*  
*\*Presented by Bahman Sahranavard, MD*
- 8:31 am – 8:35 am Lateral Ankle Instability: Sensitivity Of MRI In Detecting Peroneal Pathology  
*Parke W. Hudson, BS, University of Alabama at Birmingham*
- 8:35 am – 8:39 am The Use Of Patient-Specific 3D Printed Titanium Implants For Complex Foot And Ankle Limb Salvage Procedures  
*Travis J. Dekker, MD, Duke University*
- 8:39 am – 8:43 am Biomechanical Evaluation Of Fixation Of Low Transverse Distal Fibula Fractures  
*Briggs Ahearn, MD, Emory University*
- 8:43 am – 8:50 am Discussion
- 8:50 am – 9:10 am *Break – Please visit Exhibits (Archer, Barnwell Rooms & Savannah Foyer)*

**GENERAL SESSION 6: AAOS Report & Distinguished Southern Orthopaedist**

Moderator: Samuel I. Brown, MD, *Sports Medicine and Orthopaedics Center*

- 9:10 am – 9:25 am **AAOS Report**  
*William J. Maloney III, MD, AAOS President, Stanford School of Medicine*
- 9:25 am – 9:30 am **Introduction of Distinguished Southern Orthopaedist**  
*Samuel I. Brown, MD, Sports Medicine and Orthopaedics Center*
- 9:30 am – 10:05 am **Distinguished Southern Orthopaedist**  
Love, Leadership and the ACL  
*COL (Ret) John A. Feagin Jr., MD, Jackson, WY*
- 10:05 am – 10:25 am *Break – Please visit Exhibits (Archer, Barnwell Rooms & Savannah Foyer)*

**SYMPOSIUM 4: Survival in the New Medical Paradigm**

Moderator: Fred Flandry, MD, FACS, *The Hughston Clinic*

- 10:25 am – 10:34 am Surviving MIPS  
*Karen Clark, MBA, OrthoTennessee*

10:34 am – 10:43 am	Surviving Bundles <i>C. Lowry Barnes, MD, University of Arkansas for Medical Sciences</i>
10:43 am – 10:52 am	Employment Models
10:52 am – 11:01 am	Concierge Medicine Models
11:01 am – 11:10 am	Independent Practice Models <i>Todd A. Schmidt, MD, Ortho Atlanta</i>
11:10 am – 11:19 am	Co-Management Agreements <i>Mark Baker, CEO, The Hughston Clinic</i>
11:19 am – 11:25 am	Discussion
11:25 am – 12:25 pm	<b>SOA Luncheon -- Industry Presentation</b> *CME Credit Not Available

### **SYMPOSIUM 5: Hot Topics and Controversies in Total Knee Arthroplasty**

Moderator: Paul F. Lachiewicz, MD, *Chapel Hill Orthopedics Surgery & Sports Medicine/Duke University*

12:25 pm – 12:35 pm	Cementless Total Knees: Should We All Be Doing These Now? <i>Ryan M. Nunley, MD, Washington University School of Medicine</i>
12:35 pm – 12:45 pm	Peri-Articular Injections or Nerve Blocks: Which is Preferred? <i>C. Lowry Barnes, MD, University of Arkansas for Medical Sciences</i>
12:45 pm – 12:55 pm	Valgus Knees: Are They More Difficult? <i>Paul F. Lachiewicz, MD, Chapel Hill Orthopedics Surgery &amp; Sports Medicine/Duke University</i>
12:55 pm – 1:05 pm	Computers and Robots: Should You Use and Will They Make a Better Knee? <i>Samuel S. Wellman, MD, Duke University Medical Center</i>
1:05 pm – 1:15 pm	The Stiff Total Knee: What To Do? <i>William J. Maloney III, MD, Stanford School of Medicine</i>
1:15 pm – 1:25 pm	Discussion
1:25 pm – 2:25 pm	<b>Scientific E-Poster Session</b> (Presenters will be available to answer questions.) ( <i>Elliot, Drayton, Heyward &amp; Camelia Rooms</i> )
2:25 pm – 4:25 pm	<b>Multimedia Education Session</b> ( <i>Savannah Foyer</i> )

### **Saturday, July 1**

6:00 am – 7:00 am	<b>Scientific E-Poster Session</b> (Presenters will be available to answer questions.) ( <i>Elliot, Drayton, Heyward &amp; Camelia Rooms</i> )
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**RAPID FIRE SESSION 7A: Sports Medicine** (*Elliot Room*)

Moderators: Jeffrey A. Guy, MD, *University of South Carolina School of Medicine*  
Patrick W. Joyner, MD, *Naval Medical Center Portsmouth*

- 7:00 am – 7:04 am            The Association Of Hemoglobin A1C With Postoperative Infection Following TSA  
*Brian C. Werner, MD, University of Virginia*
- 7:04 am – 7:08 am            Exertional Rhabdomyolysis In Collegiate Football Players  
*Thomas X. Nguyen, MD, Howard University Hospital*
- 7:08 am – 7:12 am            Shoulder Injection Prior To Rotator Cuff Repair Is Associated With Increased Risk Of Subsequent Surgery  
*Sophia A. Traven, MD, Medical University of South Carolina*
- 7:12 am – 7:17 am            Discussion
- 7:17 am – 7:21 am            Hypertrophic Chondrocytes Prevent Fusion In A Rat Model  
*Comron Saifi, MD, The Spine Hospital at Columbia University Medical Center*  
*\*Presented by Rami Alrabaa, MD*
- 7:21 am – 7:25 am            Arthroscopic Anterior Labral Repairs In Females  
*John T. Heffernan, MD, Tulane University Department of Orthopaedic Surgery*
- 7:25 am – 7:29 am            Arthroscopic Repair Of Isolated Partial- And Full-Thickness Upper Third Subscapularis Tendon Tears: Minimum 2-Year Outcomes After Single-Anchor Repair And Biceps Tenodesis  
*Alexander R. Vap, MD, Virginia Commonwealth University*
- 7:29 am – 7:33 am            Osteochondral Autograft Plug Transfer For The Management Of Isolated Femoral Condyle Cartilage Defects In Patients Over Forty  
*Aaron J. Casp, MD, University of Virginia*
- 7:33 am – 7:40 am            Discussion

**RAPID FIRE SESSION 7B: Shoulder** (*Drayton Room*)

Moderators: Michael O'Brien, MD, *Tulane University School of Medicine*  
Claude T. Moorman III, MD, *Duke University Medical Center*

- 7:00 am – 7:04 am            Optimizing Pain Management Following Open Shoulder Surgery  
*Sumit Kanwar, MD, Cleveland Clinic Florida*
- 7:04 am – 7:08 am            Shoulder Arthroplasty Outcomes After Anterior Stabilization Procedures: Do Reverses Have Better Results  
*William Z. Stone, MD, University of Florida*  
*\*Presented by Maharsh K. Patel, MD*
- 7:08 am – 7:12 am            Metallosis In A Reverse Total Shoulder Arthroplasty

*Tyler R. Clark Clark, MD, Tulane Medical Center*

- 7:12 am – 7:17 am Discussion
- 7:17 am – 7:21 am Results And Complications Of Anatomic Anterior Clavicle Titanium Osteosynthesis  
*Gregory Gomez, MD, University of Texas Health Science Center San Antonio*
- 7:21 am – 7:25 am Does The Second Shoulder Outperform The First In Bilateral Arthroplasty?  
*Derek D. Berglund, MD, Holy Cross Orthopedic Institute*
- 7:25 am – 7:29 am Impact Of Clavicle Fractures On NFL Athletes' Return And Performance  
*Darshan Vora, BS, The George Washington University School of Medicine and Health Sciences*
- 7:29 am – 7:33 am Accuracy Of Glenoid Version And Inclination: A Comparison Of Surgical Planning Software Platforms  
*Jennifer Kurowicki, MD, Holy Cross Orthopedic Research Institute*
- 7:33 am – 7:40 am Discussion

**RAPID FIRE SESSION 7C: Trauma/Foot/Tumor (Heyward Room)**

Moderators: Langdon A. Hartsock, MD, *Medical University of South Carolina*  
Andrew A. Shinar, MD, *Vanderbilt University Medical Center*

- 7:00 am – 7:04 am Thromboelastography (TEG) Is Predictive Of Mortality, Blood Transfusion, And Blood Loss In Patients With Traumatic Pelvis Fracture  
*Phillip A. Bostian, MD, West Virginia University*
- 7:04 am – 7:08 am Curved Retrograde TTC Fusion Nails: Neurovascular Structures At Risk And Entry Point Safe-Zone  
*Cesar de Cesar Netto, MD, University of Alabama at Birmingham*  
*\*Presented by Brent Cone, BS*
- 7:08 am – 7:12 am Efficacy Of Particulated Juvenile Cartilage Allograft Transplantation For Osteochondral Lesions  
*Travis J. Dekker, MD, Duke University*
- 7:12 am – 7:20 am Discussion
- 7:20 am – 7:24 am Adult Acquired Flatfoot - Surgical Incidence And Economic Burden  
*Tyler M. Goodwin, BS, BA, Palmetto Health-University of South Carolina Orthopedics*
- 7:24 am – 7:28 am Calcaneal Osteotomy For The Treatment Of Hindfoot Valgus Deformity  
*Sung R. Lee, BS, University of Alabama at Birmingham*
- 7:28 am – 7:32 am Impact Of Arthroscopy Timing On Outcomes Of Lateral Ankle Ligament Repair Surgery  
*Brent Cone, BS, University of Alabama at Birmingham*

7:32 am – 7:40 am Discussion

**RAPID FIRE SESSION 7D: Spine/Total Knee (Camelia Room)**

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

- 7:00 am – 7:04 am Is A Per-Implant Halo A Reliable Indicator Of Psudearthrosis In Scoliosis  
*Elaine T. Fleming, BS, Louisiana State University Health Sciences Center  
New Orleans*  
*\*Presented by Michael J. Heffernan, MD*
- 7:04 am – 7:08 am The Fall Of Recombinant Bone Morphogenetic Protein  
*Joseph L. Laratta, MD, The Spine Hospital at Columbia University Medical  
Center*  
*\*Presented by Alexander Ha, MD*
- 7:08 am – 7:12 am Tobramycin Powder Eliminates Spinal Wound Contamination  
*Joseph L. Laratta, MD, The Spine Hospital at Columbia University Medical  
Center*  
*\*Presented by Rami Alrabaa, MD*
- 7:12 am – 7:17 am Discussion
- 7:17 am – 7:21 am Are Red Flags For Lower Back Pain Really “Red”?  
*William S. Godfrey, MD, Emory University*  
*\*Presented by Poonam Dalwadi, BS*
- 7:21 am – 7:25 am Sagittal Vertical Axis Increases With Increasing Cervical Lordosis:  
Radiographic Analysis Of Cervical And Spinal Alignment In Multilevel  
ACDF  
*Yoshihiro Katsuura, MD, University of Tennessee at Chattanooga*
- 7:25 am – 7:29 am Intra-Articular Saphenous Nerve Block For Total Knee Arthroplasty: MRI  
And Cadaveric Study  
*Joseph J. Kavolus, MD, MSCR, Duke University*  
*\*Presented by Paul F. Lachiewicz, MD*
- 7:29 am – 7:33 am Eliminating Tobramycin From Antibiotic Spacers Greatly Reduces The  
Risk Of Acute Kidney Injury In Infected Total Joint Replacements  
*Zachary M. Harris, BA, Vanderbilt University*
- 7:33 am – 7:40 am Discussion

**SYMPOSIUM 6: Orthopaedic Surgeon Leadership**

Moderator: COL (Ret) Dean C. Taylor, MD, *Duke University Medical Center*

- 7:50 am - 8:00 am Leadership Development Education In Medical School, Residency,  
Fellowship  
*COL (Ret) Dean C. Taylor, MD, Duke University Medical Center*



8:00 am - 8:30 am Panel Discussion - Medical Leadership in the 21st Century  
*Christopher Jones, MD, The Southeast Permanente Medical Group*  
*Norah A. Foster, MD, Duke University Medical Center*  
*Jonathan Godin, MD, The Steadman Clinic*

8:30 am - 8:40 am Words Of Wisdom  
*COL (Ret) John A. Feagin Jr., MD, Jackson, WY*

8:40 am - 8:50 am Discussion

8:50 am – 9:20 am **SOA Brunch Presentation**  
\*CME Credit Not Available

### **SYMPOSIUM 7: Pilon Fractures: Getting Through the Night**

Moderator: Peter C. Krause, MD, *Louisiana State University Health Sciences Center*

9:20 am – 9:30 am Temporizing Fixation: Do's and Don'ts  
*Peter C. Krause, MD, Louisiana State University Health Sciences Center*

9:30 am – 9:40 am Open Fracture Debridement: How Clean Is Clean Enough?  
*Chetan S. Deshpande, MD, Memorial University Medical Center*

9:40 am – 9:50 am Antibiotic Therapy (IV and Local)  
*Kristoff R. Reid, MD, Medical University of South Carolina*

9:50 am – 10:00 am Compartment Syndrome: Diagnosis And Management  
*Paul Gladden, MD, Tulane University School of Medicine*

10:00 am – 10:10 am Soft Tissue Coverage/Management: When To Call The Plastic Surgeon?  
*Lawrence X. Webb MD, Mercer University School of Medicine/Navicent Medical Center*

10:10 am - 10:20 am Discussion

10:20 am – 10:45 am Break – Please visit Exhibits (Archer, Barnwell Rooms & Savannah Foyer)

### **GENERAL SESSION 8: BOC Report & Presidential Address**

Moderator: Robert D. Zura, MD, *Louisiana State University Health Sciences Center*

10:45 am - 10:50 am **BOC Report**  
*Frederick C. Flandry, MD, FACS, The Hughston Clinic*

10:50 am - 10:55 am **Introduction of Presidential Address**  
*Robert D. Zura, MD, Louisiana State University Health Sciences Center*

10:55 am - 11:25 am **Presidential Address**  
The Times They Are a-Changing: Be Prepared  
*Samuel I. Brown, MD, Sports Medicine and Orthopaedics Center*

**RAPID FIRE SESSION 9A: Trauma/Infection** (*Elliot Room*)

Moderators: Mani D. Kahn, MD, *Albert Einstein College of Medicine*  
Peter Krause, MD, *Louisiana State University Health Sciences Center*

- 11:30 am – 11:34 am      Sliding Hip Screw Yields A Lower 30-Day Complication Rate Than Cephalomedullary Nail Fixation Of Intertrochanteric Hip Fractures  
*Rajeev Pandarinath, MD, The George Washington University*
- 11:34 am – 11:38 am      Intraoperative External Fixator Attachment Use For Lower Extremity Fracture Reduction  
*Justin C. Kennon, MD, Medical College of Georgia at Augusta University*
- 11:38 am – 11:42 am      Dual Plate Stabilization of Supracondylar Femur Fractures  
*Andrew Swentik, MD, Palmetto Health Richland - PH- University of South Carolina Orthopedic Center*
- 11:42 am – 11:49 am      Discussion
- 11:49 am – 11:53 am      Incidence Of Nonunion And Malunion In Lower Extremity Fractures: Experience In South Carolina Over The Past 16 Years  
*Dane Daley, MD, Medical University of South Carolina*
- 11:53 am – 11:57 am      Complications And 30-Day Outcomes In Open And Closed Tibia Fractures  
*Evan J. Smith, MD, George Washington University*  
*\*Presented by Michael Webber MD*
- 11:57 am – 12:01 pm      Mortality In Severely Injured Patients At High Acuity Centers  
*Andrew M. Schwartz, MD, Emory University*
- 12:01 pm – 12:10 pm      Discussion

**RAPID FIRE SESSION 9B: Sports Medicine** (*Drayton Room*)

Moderators: Matthew J. Matava, MD, *Washington University School of Medicine*  
Brian C. Werner, MD, *University of Virginia*

- 11:30 am – 11:34 am      Arthroscopic Superior Capsule Reconstruction vs. Latissimus Dorsi Transfer: A Comparison of Early Clinical Outcomes  
*Jonathan A. Godin, MD, MBA, Steadman Philippon Research Institute*
- 11:34 am – 11:38 am      Strength Deficit Following Femoral vs. Adductor Canal Nerve Block For ACL Reconstruction  
*Robert Runner, MD, Emory University*
- 11:38 am – 11:42 am      Correlating Blumensaat's Line To Native ACL Length For Graft Length Determination In ACL Reconstruction  
*Patrick W. Joyner, MD, Naval Medical Center Portsmouth*
- 11:42 am – 11:47 am      Discussion

- 11:47 am – 11:51 am Platelet-Rich-Plasma Is An Equal Alternative To Operative Intervention In The Treatment Of Type I Medial Epicondylitis  
*Stephen Thon, MD, Tulane University*
- 11:51 am – 11:55 am Open Subpectoral Biceps Tenodesis For Isolated Biceps Reflection Pulley Lesions: Minimum 2-Year Outcomes In A Young Patient Population  
*Alexander R. Vap, MD, Virginia Commonwealth University*
- 11:55 am – 11:59 am Multi-Ligament Knee Injuries In Adolescents: A 2-Year Minimum Follow-Up Study  
*Jonathan A. Godin, MD, MBA, Steadman Philippon Research Institute*
- 11:59 am – 12:03 pm Avoid Graft Tunnel Mismatch In Allograft Anterior Cruciate Ligament Reconstruction: The Blumensaat's Line Method  
*Patrick W. Joyner, MD, Naval Medical Center Portsmouth*
- 12:03 pm – 12:10 pm Discussion

**RAPID FIRE SESSION 9C: Pediatric/Total Joint/Foot & Ankle (Heyward Room)**

Moderators: Michael P. Horan, MD, MS, *Palmetto Health*  
J. Benjamin Jackson, MD, *University of South Carolina School of Medicine*

- 11:30 am – 11:34 am Flexible Nailing of the Pediatric Femur: Anatomic Considerations  
*Thomas J. Lucak, MD, Louisiana State University Health Sciences Center*
- 11:34 am – 11:38 am Effect Of Femoral Stem Offset On Metal-On-Metal Implant Outcomes  
*Lindsay T. Kleeman, MD, Duke University*
- 11:38 am – 11:42 am The Impact Of Myasthenia Gravis And Multiple Sclerosis On Total Hip Arthroplasty  
*Perez Agaba, BS, Duke University*
- 11:42 am – 11:47 am Discussion
- 11:47 am – 11:51 am Outcomes After Elmslie-Trillat Osteotomy Using A Minimally Invasive Technique  
*Ian Gao, MD, Emory University*
- 11:51 am – 11:55 am Longitudinal Incision: A New Approach For Lateral Ankle Ligament Repair  
*Caleb Jones, BS, University of Alabama at Birmingham*  
*\*Presented by Yvonne Chodaba, BS*
- 11:55 am – 11:59 am Outcomes Of First Metatarsophalangeal Joint Fusion In Patients With Greater Than Fifteen Percent Intermetatarsal Angle: Is Lag Screw Essential?  
*Zachariah W. Pinter, BS, University of Alabama at Birmingham*
- 11:59 am – 12:03 pm Calcaneal Osteotomy Safe-Zone To Prevent Neurological Damage: Fact Or Fiction?  
*Ashish Shah, MD, University of Alabama at Birmingham*

*\*Presented by Bahman Sahranavard, MD*

12:03 pm – 12:10 pm Discussion

**RAPID FIRE SESSION 9D: Spine/Basic Science** (*Camelia Room*)

Moderators: Christopher A. Heck, MD, *Southern Orthopaedic Surgeons*  
Lee R. Leddy, MD, *Medical University of South Carolina*

- 11:30 am – 11:34 am Non-Operative Management Of Non-Displaced, Unilateral, Single Level, Sub-Axial Cervical Facet Fracture: A Retrospective Review Of A Single Institution  
*Keven S. Burns, MD, University of Oklahoma Health Science Center*
- 11:34 am – 11:38 am Building Better Bone: Biologic & Engineering Strategies For Bone Loss  
*Andrew Schwartz, MD, Emory University*
- 11:38 am – 11:42 am How Common Are Outpatient Spinal Laminectomies?  
*Joseph L. Laratta, MD, The Spine Hospital at Columbia University Medical Center*  
*\*Presented by Alexander Ha, MD*
- 11:42 am – 11:47 am Discussion
- 11:47 am – 11:51 am Effect Of Femoral Head Size On The Force To Dislocation  
*Matthew J. Dietz, MD, West Virginia University School of Medicine*
- 11:51 am – 11:55 am A Multicentered Prospective Randomized Controlled Trial of Negative Pressure Wound Therapy for Preoperatively Irradiated Soft Tissue Sarcoma Wounds - Early Results  
*Sophia A. Traven, MD, Medical University of South Carolina*
- 11:55 am – 11:59 am Risk Factors Of Lumbar Spinal Epidural Lipomatosis  
*Anuj Patel, MD, Emory University*
- 11:59 am – 12:03 pm The Epidemiology Of Cervical Spine Injuries In 25 NCAA Sports From 2004-2005 To 2013-2014 Academic Years  
*Allen 'Jack' Barnes Jr., BS, University of South Carolina School of Medicine*
- 12:03 pm – 12:10 pm Discussion
- 12:10 pm – 12:30 pm **Second Business Meeting**
- 12:35 pm – 1:35 pm **Multimedia Education Session** (*Savannah Foyer*)