

SOA Scientific Program
Omni Amelia Island
July 17-20, 2019

(Presenters and times are subject to change)

Thursday, July 18, 2019

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

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

7:15 am – 7:20 am **Welcome and Announcements**
Ryan M. Nunley, MD, President
Stephen T. Duncan, MD, Program Chair

SYMPOSIUM 1: "My Worst Case" Competition – Total Joint Arthroplasty

Moderators: Stephen T. Duncan, MD, *University of Kentucky*
 Gregory G. Polkowski, MD, MSc, *Vanderbilt University Medical Center*

7:20 am – 8:15 am **Speakers:** *James A. Browne, MD, University of Virginia School of Medicine*
 Paul F. Lachiewicz, MD, Duke University
 Ryan M. Nunley, MD, Washington University School of Medicine
 Andrew A. Shinar, MD, Vanderbilt Orthopaedic Institute

8:15 am – 8:45 am **Focused Brunch Presentation – Heron Therapeutics**
 *CME Credit Not Available

RAPID FIRE SESSION 1A: Opioids and Pain Management

Moderator: James A. Keeney, MD, *Missouri Orthopaedic Institute*
 Michael J. O'Brien, MD, *Tulane University*

8:50 am – 8:54 am **Implant Complications Following Total Hip Arthroplasty in Opioid Abusers**
Rushabh M. Vakharia, MD, Holy Cross Hospital

8:54 am – 8:58 am **Depression Leads to Increased Opioid Consumption after Total Hip Arthroplasty**
Kevin X. Farley, BS, Emory University School of Medicine

8:58 am – 9:02 am **Opioid Use Increases Thromboembolic Complications Following Primary Total Knee Arthroplasty**
Scott Nelson, DO, Holy Cross Hospital

9:02 am – 9:06 am **Nationwide Trends in Opioid Prescriptions for Common Orthopaedic Procedures: Are We Over-Prescribing?**
Sophia A. Traven, MD, Medical University of South Carolina

9:06 am – 9:10 am **Discussion**

- 9:10 am – 9:14 am Does Pain Catastrophizing Predict Age of Onset in Symptomatic Hip Dysplasia and Femoroacetabular Impingement?
Shawn O. Okpara, BS, University of Texas Southwestern Medical Center
- 9:14 am – 9:18 am Liposomal Bupivacaine vs Interscalene Nerve Block for Pain Management after Shoulder Arthroplasty: A Multi-Center Prospective Randomized Controlled Trial
Saisanjana Vattigunta, BA, Johns Hopkins University
- 9:18 am – 9:22 am Economic Burden of Opioid Use Disorder in Patients Undergoing Joint Arthroplasty
Kevin X. Farley, BS, Emory University School of Medicine
- 9:22 am – 9:26 am Assessment of Optimal Volume Expansion for use of Liposomal Bupivacaine in Multimodal Pain Management for Shoulder Arthroplasty
Vani J. Sabesan, MD, Cleveland Clinic Florida
- 9:26 am – 9:30 am Discussion

RAPID FIRE SESSION 1B: Sports Medicine

Moderator: Chaitu S. Malempati, MD, *University of Florida*
Brian C. Werner, MD, *University of Virginia Health System*

- 8:50 am – 8:54 am The Cost Variability of Orthobiologics
Alex Dombrowsky, University of Alabama at Birmingham
- 8:54 am – 8:58 am The Impact of Meniscus Treatment on Functional Outcomes 6 Months after Anterior Cruciate Ligament Reconstruction
Aaron J. Casp, MD, University of Virginia
- 8:58 am – 9:02 am Return to Play Following Platelet-Rich Plasma Injection of the Ulnar Collateral Ligament Based on Injury Severity
Frederic B. Mills IV, MS, Palmetto Health-USC Orthopaedic Center
- 9:02 am – 9:06 am Biomechanical Comparison/Cost Analysis for Tendon Preparation in ACL Reconstruction
Mark A. Prevost II, MD, University of South Alabama Orthopaedics
- 9:06 am – 9:10 am Discussion
- 9:10 am – 9:14 am Outcomes after Surgical Repair of Medial Meniscal Root Tears: A Systematic Review
Chad Edwards, DO, Orthopaedic & Sports Medicine Center of Miami
- 9:14 am – 9:18 am The Effect of Physseal Closure on Quadriceps Strength and Symmetry after Anterior Cruciate Ligament Reconstruction in Adolescent Patients
Aaron J. Casp, MD, University of Virginia

9:18 am – 9:22 am A Comparison Of Quadriceps Neuromuscular Firing Patterns In Anterior Cruciate Ligament Autografts: Soft Tissue Quadriceps Tendon Versus Bone-Patellar Tendon-Bone
Michael I. Letter, MCMS, University of Miami Sports Medicine Institute

9:22 am – 9:26 am Surgical Treatment of Talar Osteochondral Lesion and Return to Sports
Andrew M. Schwartz, MD, Emory University Orthopaedics and Spine Hospital

9:26 am – 9:30 am Discussion

RAPID FIRE SESSION 1C: Shoulder & Elbow

Moderator: Scott D. Mair, MD, *University of Kentucky Sports Medicine*
Matthew J. Matava, MD, *Washington University School of Medicine*

8:50 am – 8:54 am Therapeutic Postoperative Anticoagulation After Shoulder Arthroplasty Increases Risk of Complications
Michelle E. Kew, MD, University of Virginia

8:54 am – 8:58 am Does Insurance Status Determine Surgical Outcomes in Shoulder Arthroplasty: An Analysis of Private and Public Insured Populations
Vani J. Sabesan, MD, Cleveland Clinic Florida

8:58 am – 9:02 am Validated Score to Predict Who Needs Operative Management for Instability
Michael J. Kissenberth, MD, Hawkins Foundation

9:02 am – 9:06 am Biomechanics of Axial Load Transmission across the Native Human Elbow
Kaleb B. Smithson, MD, University of Arkansas for Medical Sciences

9:06 am – 9:10 am Discussion

9:10 am – 9:14 am Incidence, Treatment and Outcomes of Periprosthetic Humeral Shaft Fractures after Reverse Total Shoulder Arthroplasty
Paul Ragusa, DO, Johns Hopkins Orthopedics

9:14 am – 9:18 am Short-Term Complications and Readmission Following Total Shoulder Arthroplasty
Matthew J. Best, MD, Johns Hopkins Orthopedics

9:18 am – 9:22 am Minimal Clinically Important Differences in Patient-Reported Outcomes Following Biceps Tenodesis
Francisco Eguia, BA, Johns Hopkins Hospital

9:22 am – 9:26 am Complications in Patients with Sleep Apnea Following Total Shoulder Arthroplasty
Joseph Palmer, DO, Holy Cross Hospital

9:26 am – 9:30 am Discussion

RAPID FIRE SESSION 1D: Total Joints

Moderator: Gregory G. Polkowski, MD, MSc, *Vanderbilt University Medical Center*
James A. Browne, MD, *University of Virginia School of Medicine*

- 8:50 am – 8:54 am Do We Still Need to Use Tourniquets for Total Knee Replacement in the Age of Tranexamic Acid?
Sarah Miller, BS, MS, University of Mississippi Medical Center
- 8:54 am – 8:58 am TKA is Better than UKA for Morbidly Obese Patients
John F. Nettrour, MD, University of Missouri
- 8:58 am – 9:02 am Pain Relief in Moderate-Severe Knee Osteoarthritis: Repeat-Administration Triamcinolone Acetonide Extended-Release
Deryk G. Jones, MD, Ochsner Sports Medicine Institute
- 9:02 am – 9:06 am High Early UKA Failure Rate in Morbidly Obese Patients
Robert (Tyler) Ellis, MD, University of Missouri
- 9:06 am – 9:10 am Discussion
- 9:10 am – 9:14 am Revision Total Knee Arthroplasty in High Risk Patients: Can Pressure Negative Dressing Be a Game Changer?
Oduche R. Igboechi, MD, MPH, MBA, Tulane University School of Medicine
- 9:14 am – 9:18 am Knee Arthrodesis for the Salvage of Infected Total Knee Arthroplasty Predicting Failure and the Need for Amputation
Caleb Yeung, MD, Brigham and Women's Hospital/Harvard Medical School
- 9:18 am – 9:22 am Multiple Sclerosis is Associated with Increased Complications Following Total Knee Arthroplasty
Nicole D. Quinlan, MD, MS, University of Virginia Health System
- 9:22 am – 9:26 am Sleep Apnea Is a Risk Factor for Total Knee Arthroplasty
Wayne Cohen-Levy, BA, MD, MS, Holy Cross Hospital
- 9:26 am – 9:30 am Discussion

RAPID FIRE SESSION 1E: Trauma

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

- 8:50 am – 8:54 am Impact of Radiographic and Surgical Delay on Hip Fracture Outcomes
Brendan Y. Shi, BS, Johns Hopkins School of Medicine
- 8:54 am – 8:58 am Intramedullary Nail Entry Point Affects Postoperative Femoral Shaft Fracture Alignment
Michael W. Honeycutt, MD, University of South Alabama
- 8:58 am – 9:02 am Outcomes of Bridge Plating Versus Standard Fixation in Geriatric Ankle Fractures

Russell E. Holzgrefe, MD, Emory University Orthopaedics and Spine Hospital

9:02 am – 9:06 am Opioid Use Predicts Higher Rates of Nonunion After Humerus Fractures
Christopher A. Wang, DO, Broward Health Medical Center

9:06 am – 9:10 am Discussion

9:10 am – 9:14 am 20 year Review of Peri-Prosthetic Fractures after Total Knee Arthroplasty
Dustin Rinehart, MD, University of Texas Southwestern Medical Center

9:14 am – 9:18 am New 5-Factor Modified Frailty Index Predicts Morbidity and Mortality in Geriatric Hip Fractures
Sophia A. Traven, MD, Medical University of South Carolina

9:18 am – 9:22 am The Reverse Oblique Supracondylar Humerus Fracture: Description of a Novel Fracture Pattern
Michael Heffernan, MD, Louisiana State University School of Medicine

9:22 am – 9:26 am Proximal Humerus Fractures Treated with Reverse Shoulder Arthroplasty Versus Hemiarthroplasty
Stephen Gates, MD, University of Texas Southwestern Medical Center

9:26 am – 9:30 am Discussion

RAPID FIRE SESSION 1F: Practice Management

Moderator: Lucian C. Warth, MD, *Indiana University Health Physicians*
Ryan M. Nunley, MD, *Washington University School of Medicine*

8:50 am – 8:54 am Academic vs Non-Academic Orthopaedic Surgery: Predictors of Academic Career Choice
Francisco Eguia, BA, Johns Hopkins Hospital

8:54 am – 8:58 am Orthopaedic Trainee Wellbeing and Burnout: A National Survey Conducted by the Collaborative Orthopaedic Educational Research Group
Paul Lichstein, MD, Brigham and Women's Hospital/Harvard Medical School

8:58 am – 9:02 am Who Responds to Genicular Nerve Ablation? Factors Predicting Failure
Andrew Carlone, MD, University of Kentucky

9:02 am – 9:06 am Inappropriate Diet Orders may be Common Among Patients with Potential Surgical Emergencies
Kyle A. Petersen, MD, Summa Health System

9:06 am – 9:10 am Discussion

9:10 am – 9:14 am The Impact of Workflow on Cutting Time for PKA
Emily Hampp, Mahwah, NJ

9:14 am – 9:18 am Patient Factors Affect the Domains of HCAHPS Surveys

Waqaar Diwan, MD, University of Texas Southwestern Medical Center

9:18 am – 9:22 am Increased Orthopaedic Faculty Academic Productivity Following Residency Program Restructuring
Caroline J. Granger, MD, University of Miami

9:22 am – 9:26 am Is Spinal Anesthetic the Standard of Care for Knee Arthroplasty?
Senthil Kumar Sadayampathy Velusamy, MBBS, Glan Clwyd Hospital

9:26 am – 9:30 am Discussion

9:30 am – 9:50 am ***Break – Please visit Exhibits***

GENERAL SESSION 1: OREF Report and Presidential Guest Speaker

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

9:50 am – 9:55 am OREF Report

9:55 am – 10:00 am Introduction of Presidential Guest Speaker
Ryan M. Nunley, MD, Washington University School of Medicine

10:00 am – 10:35 am Presidential Guest Speaker
Title
Speaker TBD

10:35 am – 10:55 am ***Break – Please visit Exhibits***

SYMPOSIUM 2: Knee Sports Debates

Moderator: Darren L. Johnson, MD, *University of Kentucky Sports Medicine*

10:55 am – 11:05 am Primary/Revision ACL: What's New in 2019?
Kevin W. Farmer, MD, University of Florida Orthopaedics and Sports Medicine Institute

11:05 am – 11:15 am Meniscal Repair: How and Why I Should Save the Meniscus
Matthew J. Matava, MD, Washington University School of Medicine

11:15 am – 11:25 am Patellofemoral Instability: When, How and Why?
Brian C. Werner, MD, University of Virginia Health System

11:25 am – 11:35 am Multiligament Injured Knee: What Must I Do and When?
Jeffrey A. Guy, MD, University of South Carolina School of Medicine

11:35 am – 11:50 am Knee Case Panel
Darren L. Johnson, MD, University of Kentucky Sports Medicine

11:50 am – 12:20 pm **Focused Lunch Presentation – Johnson & Johnson Medical Devices Co.**
*CME Credit Not Available

GENERAL SESSION 2: Research Presentations

Moderators: Stephen T. Duncan, MD, *University of Kentucky*

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

- 12:20 pm – 12:26 pm Prospective, Randomized Trial of Standard vs Highly Cross-Linked Tibial Polyethylene in Primary Posterior-Stabilized TKA: 2 to 11 Year Follow-Up
Paul F. Lachiewicz, MD, Duke University
- 12:26 pm – 12:32 pm Protocol Based Dual-Antibiotic Prophylaxis Decreases TKA and THA PJI Rates
Mark Lane, MD, University of Missouri
- 12:32 pm – 12:38 pm Reverse Shoulder Replacement: Incidence Rates, Complications, and Outcomes in 2638 Patients as Reported By ABOS Part II Candidates from 2005 through 2017
Stephen Weber, MD, Johns Hopkins School of Medicine
- 12:38 pm – 12:44 pm Follow-Up Radiographs After Spica Casting for Pediatric Femur Fractures: Are They Necessary?
Justin Yan, BS, Louisiana State University
- 12:44 pm – 12:50 pm Impact of Sleep Hygiene Education on Outcomes of Arthroplasty Patients
Benjamin Stronach, MD, University of Mississippi Medical Center
- 12:50 pm – 12:56 pm Postoperative CRP Changes Predict Treatment Response in Pediatric MSKI
Joshua R. Daryoush, Vanderbilt University School of Medicine
- 12:56 pm – 1:00 pm Discussion

ROUND TABLE DISCUSSION

- 1:05 pm – 2:35 pm Same-Day Discharge Total Joint Protocols and Investing in Ancillary Income Streams
Marney Reid, Surgical Care Affiliates
Ryan M. Nunley, MD, Washington University School of Medicine
C. Lowry Barnes, MD, University of Arkansas for Medical Science
- 2:35 pm – 3:35 pm **Scientific E-Poster Session** (Presenters are available to answer questions)
- 3:35 pm – 5:05 pm **Multimedia Education Session**

Friday, July 19, 2019

- 6:00 am – 7:00 am **Scientific E-Poster Session** (Presenters are available to answer questions)
- 7:00 am – 7:05 am **Announcements**
Stephen T. Duncan, MD, Program Chair

SYMPOSIUM 3: Total Joints Debates

Moderators: C. Lowry Barnes, MD, *University of Arkansas for Medical Sciences*
James A. Browne, MD, *University of Virginia School of Medicine*

- 7:05 am – 7:20 am The Anterior Approach: Better, Faster, Cost-Effective
Affirms: *Paul K. Edwards, MD, University of Arkansas for Medical Sciences*
Against: *James A. Keeney, MD, Missouri Orthopaedic Institute*
- 7:20 am – 7:35 am Cementless TKA: An Emergent Game Changer
Affirms: *Gregory G. Polkowski, MD, MSc, Vanderbilt University Medical Center*
Against: *Brian M. Curtin, MD, Ortho Carolina*
- 7:35 am – 7:50 am Tourniquet-less TKA: A Miraculous Conversion
Affirms: *Stephen T. Duncan, MD, University of Kentucky*
Against: *Lucian C. Warth, MD, Indiana University Health Physicians*
- 7:50 am – 8:00 am Questions/Discussion
- 8:00 am – 8:30 am **Focused Brunch Presentation**
*CME Credit Not Available

RAPID FIRE SESSION 2A: Trauma

Moderators: Eric S. Moghadamian, MD, *University of Kentucky*
Matthew A. Mormino, MD, *University of Nebraska Medical Center*

- 8:35 am – 8:39 am The Effect of a Dynamic Fixation Construct on Syndesmosis Reduction
Michael W. Honeycutt, MD, University of South Alabama
- 8:39 am – 8:43 am Epidemiology of Motorized Scooter Injuries in the Era of Scooter-Shares
Kevin X. Farley, BS, Emory University School of Medicine
- 8:43 am – 8:47 am Resident Level Involvement Affects OR Time and Complications in Lower Extremity Fracture Care
Sophia A. Traven, MD, Medical University of South Carolina
- 8:47 am – 8:51 am L5 Transverse Process Fractures: Instability Predictor in Pelvic Ring Injuries
Michael W. Honeycutt, MD, University of South Alabama
- 8:51 am – 8:55 am Discussion
- 8:55 am – 8:59 am Dialysis and Complications in Hip Hemiarthroplasty for Femoral Neck Fractures
Rajeev Pandarinath, MD, The George Washington University
- 8:59 am – 9:03 am Efficacy of Red Cell Salvage Systems in Open Acetabular Surgery
Carl L. Byrd III, DO, East Tennessee State University
- 9:03 am – 9:07 am Clinical Evaluation of Distal Radius Fractures by Nonoperative Providers
Matthew Fournier, MD, University of Tennessee - Campbell Clinic
- 9:07 am – 9:11 am Racial Disparities in Hip Fracture Care
Iman Ali, BS, Johns Hopkins University

9:11 am – 9:15 am Discussion

RAPID FIRE SESSION 2B: Shoulder

Moderators: John D. Kelly IV, MD, *University of Pennsylvania*
Stephen F. Brockmeier, MD, *University of Virginia*

8:35 am – 8:39 am Frailty Predicts Complications, Readmission, Reoperation, and LOS after Total Shoulder Arthroplasty
Russell E. Holzgrefe, MD, Emory University

8:39 am – 8:43 am Clinical and Radiographic Comparison of Cemented and Uncemented Hybrid Glenoid Prostheses
Jonathan B. Goodloe, MD, Medical University of South Carolina

8:43 am – 8:47 am Clinical Outcomes Related to Glenoid Component Overhang in Reverse Total Shoulder Arthroplasty
Ethan W. Dean, MD, University of Florida

8:47 am – 8:51 am Electrocautery Does Not Diminish the Transmission Rate of Cutibacterium Acnes
Lamar F. Callaway, MD, Augusta University

8:51 am – 8:55 am Discussion

8:55 am – 8:59 am Outcomes Following Open Rotator Cuff Repair in Diabetics
Keith Aziz, MD, Johns Hopkins Orthopedics

8:59 am – 9:03 am Trends in Peripheral Nerve Blocks in Arthroscopic Rotator Cuff Repairs
Abhinav K. Sharma, BS, David Geffen School of Medicine at UCLA

9:03 am – 9:07 am A Retrospective Review of Physical Therapy Utilization Between Private and Medicare Insurance Groups
Vani J. Sabesan, MD, Cleveland Clinic Florida

9:07 am – 9:11 am Oral TXA Decreases Blood Loss after Reverse Total Shoulder Arthroplasty
Thomas Ergen, MD, Palmetto Health-USC Orthopaedic Center

9:11 am – 9:15 am Discussion

RAPID FIRE SESSION 2C: Sports Medicine

Moderators: Frederick C. Flandry, MD, FACS, *The Hughston Clinic*
Omer A. Ilahi, MD, *Southwest Orthopedic Group/Texas Arthroscopy & Sports Medicine Institute*

8:35 am – 8:39 am Resilience Correlates with Outcomes after Reverse Total Shoulder Arthroplasty
Alex Dombrowsky, University of Alabama at Birmingham

8:39 am – 8:43 am Corticosteroid Injection Timing following Knee Arthroscopy Influences Infection Risk

Michelle E. Kew, MD, University of Virginia

- 8:43 am – 8:47 am Dialysis Dependence and Modality Impact Complication Rates following Shoulder Arthroplasty
Aaron J. Casp, MD, University of Virginia
- 8:47 am – 8:51 am The Association of Perioperative Glycemic Control with Adverse Outcomes after Arthroscopic Rotator Cuff Repair
Aaron J. Casp, MD, University of Virginia
- 8:51 am – 8:55 am Discussion
- 8:55 am – 8:59 am The Effect of Turf Toe Injuries on Player Performance in the National Football League
Andrew Tran, MD, George Washington University
- 8:59 am – 9:03 am Primary and Revision ACL Reconstruction Using an All-Soft Tissue Quadriceps Tendon Autograft
Ehab Nazzal, BS, Emory University School of Medicine
- 9:03 am – 9:07 am Blumensaat's Line as a Prediction of Native Anterior Cruciate Ligament Length
Frederic B. Mills IV, MS, Palmetto Health-USC Orthopaedic Center
- 9:07 am – 9:11 am Modified Locking Speedwhip vs Modified Krackow in Hamstring ACL Reconstruction: A Biomechanical Comparison and Cost Analysis Among Different Levels of Training
Mark A. Prevost II, MD, University of South Alabama Orthopaedics
- 9:11 am – 9:15 am Discussion

RAPID FIRE SESSION 2D: Total Joints

Moderators: Lucian C. Warth, MD, *Indiana University Health Physicians*
 Paul K. Edwards, MD, *University of Arkansas for Medical Sciences*

- 8:35 am – 8:39 am Hip or Spine Surgery First? A Survey of Treatment Order by Hip Society Members
Paul F. Lachiewicz, MD, Duke University
- 8:39 am – 8:43 am Postoperative Radiographic Outcomes in Revision Hip Arthroplasty-Approach Matters
Jacob M. Wilson, MD, Emory University
- 8:43 am – 8:47 am Conversion of Hip Resurfacing to Total Hip Arthroplasty - Improved Function, Low Dislocation, Sacrificed Bone Stock
Charles Carrier, MD, Brigham and Women's Hospital/Harvard Medical School
- 8:47 am – 8:51 am Undersedation During Total Hip Arthroplasty Reduction Results in Worse Patient Outcomes
Sean P. Ryan, MD, Duke University Medical Center

- 8:51 am – 8:55 am Discussion
- 8:55 am – 8:59 am Utility of One-Year Follow-Up after Total Hip and Knee Arthroplasty
Maria Schwabe, BS, Washington University in St. Louis School of Medicine
- 8:59 am – 9:03 am Risk of Complications Following Total Hip Arthroplasty in Patients with Multiple Sclerosis
Nicole D. Quinlan, MD, MS, University of Virginia Health System
- 9:03 am – 9:07 am The Clinical Relevance of Functional Pelvic Tilt: A Preoperative Analysis of 1,111 Patients
Michael A. Miranda, DO, Brandon, FL
- 9:07 am – 9:11 am Higher Early Revision with Patient Specific CR-TKA than Contemporary PS-TKA
James A. Keeney, MD, University of Missouri
- 9:11 am – 9:15 am Discussion

RAPID FIRE SESSION 2E: Foot & Ankle

Moderator: Arjun K. Srinath, MD, MPH, *University of Kentucky*

- 8:35 am – 8:39 am Prevalence of Asymptomatic Posterior Tibial Tendinopathy
Frederic B. Mills IV, MS, Palmetto Health-USC Orthopaedic Center
- 8:39 am – 8:43 am Tibiotalocalcaneal Arthrodesis Using a Novel Retrograde Intramedullary Nail
John Steele, MD, Duke University Medical Center
- 8:43 am – 8:47 am Effect of Immobilization Devices on Contact Pressures of the Ankle
Niall A Smyth, MD, Medstar Union Memorial Hospital
- 8:47 am – 8:51 am Influence of Calcaneal and Cotton Osteotomies on Ankle Contact Pressures
Cesar de Cesar Netto, MD, PhD, Medstar Union Memorial Hospital
- 8:51 am – 8:55 am Discussion
- 8:55 am – 8:59 am Comparison of Short-Term Outcomes after Ankle Replacement and Ankle Arthrodesis
Junho Ahn, BS, University of Texas Southwestern Medical Center
- 8:59 am – 9:03 am Hindfoot Alignment after Total Ankle Replacement
Sophia A. Traven, MD, Medical University of South Carolina
- 9:03 am – 9:07 am Early Outcomes Following Dorsal Denervation of the Midfoot for Management of Arthritic Pain
Glenn G. Shi, MD, Mayo Clinic, Jacksonville
- 9:07 am – 9:11 am Early Outcomes of 3D Printed Total Talus Arthroplasty
John Steele, MD, Duke University

9:11 am – 9:15 am Discussion

RAPID FIRE SESSION 2F: Hip Preservation and Pediatric Sports

Moderators: James R. Ross, MD, *BocaCare Orthopedics*
Jeffrey J. Nepple, MD, *Washington University School of Medicine*

8:35 am – 8:39 am Is There a Relationship between Severity of Hip Dysplasia and Patient Reported Pain?
Shawn O. Okpara, BS, University of Texas Southwestern Medical Center

8:39 am – 8:43 am Acetabular Subchondral and Cortical Perforation During Labral Repair with Suture Anchors: Influence of Portal Location, Curved vs Straight Drill Guides, and Drill Start Point
Adam J. Money, MD, Palmetto Health-USC Orthopaedic Center

8:43 am – 8:47 am Arthroscopic Management of the Crossover Sign as a Function of Acetabular Coverage: Does Dysplasia Change Things?
Dominic S. Carreira, MD, Peachtree Orthopedics

8:47 am – 8:51 am Iliopsoas Pathology and Procedures from a Large Multicenter Hip Arthroscopy Study Group
Dominic S. Carreira, MD, Peachtree Orthopedics

8:51 am – 8:55 am Discussion

8:55 am – 8:59 am Sleep Disturbance in Patients with Femoroacetabular Impingement and Acetabular Dysplasia
Nisha Reddy, BA, University of Texas Southwestern Medical Center

8:59 am – 9:03 am Secondary Injuries More Prevalent for Females Following Pediatric ACL Reconstruction: A Systematic Review
Anthony J. Zacharias, MD, University of Kentucky

9:03 am – 9:07 am Can Combined Trans-Physeal and Lateral Extra-Articular Pediatric ACL Reconstruction Techniques be Employed to Reduce ACL Re-Injury While Allowing for Growth?
Nathan Boes, MD, University of Texas Southwestern Medical Center

9:07 am – 9:11 am Incidence of Meniscal Ramp Lesions in a Pediatric Population with Acute Anterior Cruciate Ligament Ruptures
Jacob B. Stirton, MD, University of Kentucky

9:11 am – 9:15 am Discussion

9:15 am – 9:35 am **Break – Please visit Exhibits**

GENERAL SESSION 3: AAOS Report & Distinguished Southern Orthopaedist

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

9:35 am – 9:50 am **AAOS Report**

Kristy L. Weber, MD, AAOS President, University of Pennsylvania

9:50 am – 9:55 am

Introduction of Distinguished Southern Orthopaedist

Ryan M. Nunley, MD, Washington University School of Medicine

9:55 am – 10:40 am

Distinguished Southern Orthopaedist

Advances in the Treatment of Ankle Arthritis: Where are We Now?

James A. Nunley II, MD, Durham, NC

10:40 am – 11:00 am

Break – Please visit Exhibits

SYMPOSIUM 4: Shoulder

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

11:00 am – 11:10 am

SLAP Lesions/Biceps Anchor Injuries – Do We Ever Repair Anymore?

Stephen F. Brockmeier, MD, University of Virginia

11:10 am – 11:20 am

Anterior Shoulder Instability – Arthroscopic to Open to Bony Augmentation

Michael J. O'Brien, MD, Tulane University

11:20 am – 11:30 am

Rotator Cuff Repair – Mobilization, Fixation, Augmentation

Scott D. Mair, MD, University of Kentucky Sports Medicine

11:30 am – 11:40 am

Glenohumeral Arthritis – Treatment Options for the Young to the Old Patient

Kevin W. Farmer, MD, University of Florida Orthopaedics and Sports Medicine Institute

11:40 am – 11:50 am

Discussion

11:50 am – 12:20 pm

Focused Lunch Presentation – Flexion Therapeutics

*CME Credit Not Available

SYMPOSIUM 5: Hip Preservation

Moderator: Jeffrey J. Nepple, MD, *Washington University School of Medicine*

12:20 pm – 12:30 pm

Femoroacetabular Impingement – 3D Deformity Characterization and Correction

James R. Ross, MD, BocaCare Orthopedics

12:30 pm – 12:40 pm

Labral Reconstruction – Current Evidence and Technical Tips

Scott C. Faucett, MD, MS, The Orthopaedic Center

12:40 pm – 12:50 pm

Hip Instability – Acetabular, Femoral, and Soft Tissue Pathology and Treatment

Jeffrey J. Nepple, MD, Washington University School of Medicine

12:50 pm – 1:00 pm

Abductor Tears – Diagnosis and Treatment Options

Stephen T. Duncan, MD, University of Kentucky

1:00 pm – 1:10 pm Hip Preservation Cases – Panel

ROUND TABLE DISCUSSION

1:15 pm – 2:45 pm Knee Sports Case Discussion
Darren L. Johnson, MD University of Kentucky Sports Medicine

RESIDENT COURSE – How to Get a Job in Your Ideal Employment Model

1:15 pm – 2:45 pm Titles
Speakers TBD

2:45 pm – 3:45 pm **Scientific E-Poster Session** (Presenters are available to answer questions)

3:45 pm – 4:45pm **Multimedia Education Session**

Saturday, July 20, 2019

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**
Stephen T. Duncan, MD, Program Chair

SYMPOSIUM 6: Trauma

Moderator: Eric S. Moghadamian, MD, *University of Kentucky*

7:15 am – 7:35 am Management of Tibia Fractures
Suprapatellar Nailing: *Thomas M. Large, MD, Mission Hospital*
Infrapatellar Nailing: *Langdon A. Hartsock, MD, Medical University of South Carolina*

7:35 am – 7:55 am Operative Management of Clavicle Fractures is the Way to Go
Affirms: *Daniel Dziadosz, MD, All Florida Orthopaedic Associates*
Against: *Raymond D. Wright, MD, University of Kentucky*

7:55 am – 8:15 am Questions/Discussion

8:15 am – 8:45 am **Focused Brunch Presentation**
*CME Credit Not Available

GENERAL SESSION 4: Resident Award Session

Moderators: Stephen T. Duncan, MD, *University of Kentucky*
Ryan M. Nunley, MD, *Washington University School of Medicine*

8:45 am – 8:51am **SOA Presidents' Resident Award Winner**
Return to Duty after Medial Patellofemoral Ligament Reconstruction in Military Servicemembers
Colleen Moreland, DO, Dwight D. Eisenhower Army Medical Center

- 8:51 am – 8:57 am **Harley & Betty Baxter Resident Award Winner**
Evaluation of the Standardized Recommendation Letter for Orthopedic Resident Applicants
Matthew J. Pacana, MD, Palmetto Health-USC Orthopaedic Center
- 8:57 am – 9:03 am **Harley & Betty Baxter Resident Award Winner**
Effects of Tablet Count and Pre-Operative Education on Opioid Utilization After ACL Reconstruction
Kevin X. Farley, BS, Emory University School of Medicine
- 9:03 am – 9:09 am **SOA/OREF Resident Award Winner**
Missing Data: How it Affects the Identification of Risk Factors for Shoulder Surgery Complications
Keith Aziz, MD, Johns Hopkins Orthopedics
- 9:09 am – 9:15 am **SOA/OREF Resident Award Winner**
Variability in Opioid Administration after Fixation of Supracondylar Humerus Fractures
Jonathan B. Goodloe, MD, Medical University of South Carolina
- 9:15 am – 9:21 am **SOA/OREF Resident Award Winner**
Elevated BMI Predicts Concurrent Surgical Pathology at the Time of Pediatric ACL Reconstruction
Sophia A. Traven, MD, Medical University of South Carolina
- 9:21 am – 9:27 am **Harley & Betty Baxter Resident Travel Grant Award Winner**
Chondrotoxicity of Penicillin G as Intrawound Antibiotic Powder for P. Acnes Prevention
Nischal S. Nadig, DO, Dwight D. Eisenhower Army Medical Center
- 9:27 am – 9:33 am **SOA Resident Travel Grant Award Winner**
Spine Patients Demystified: What are the Predictive Factors of Poor Surgical Outcome in Patients After Elective Lumbar Spine Surgery?
José H. Jiménez-Almonte, MD, MS, University of Kentucky
- 9:33 am – 9:39 am **SOA Resident Travel Grant Award Winner**
Does Early Mobilization Affect Range of Motion and Clinical Outcomes after a Reverse Shoulder Arthroplasty?
Vani J. Sabesan, MD, Cleveland Clinic Florida
- 9:39 am – 9:45 am **SOA Resident Travel Grant Award Winner**
Defining Responders vs Non-Responders After Total Ankle Arthroplasty
John Steele, MD, Duke University Medical Center
- 9:45 am – 9:55 am Discussion
- 9:55 am – 10:20 am **Break – Please visit Exhibits**

GENERAL SESSION 5: BOC Report and Presidential Address

Moderator: Stephen T. Duncan, MD, *University of Kentucky*

- 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
Stephen T. Duncan, MD, University of Kentucky
- 10:35 am – 11:05 am Presidential Address
Title
Ryan M. Nunley, MD, Washington University Orthopedics

SYMPOSIUM 7: Spine

Moderator: Christopher A. Heck, MD, *Southlake Orthopaedics*

- 11:05 am – 11:25 am Sacroiliitis
Symptoms and Physical Examination:
R. Carter Cassidy, MD, University of Kentucky
Anatomy and Biomechanics:
Gregory Grabowski, MD, Palmetto Health - University of South Carolina
Results of SI Joint Fusion:
Christopher A. Heck, MD, Southlake Orthopaedics
- 11:25 am – 11:45 am Cervical Disc Arthroplasty
History of ACDF and Disc Replacement:
R. Carter Cassidy, MD, University of Kentucky
Results of Cervical Disc Replacement:
Christopher A. Heck, MD, Southlake Orthopaedics
- 11:45 am – 12:00 pm Questions/Discussion

RAPID FIRE SESSION 3A: Hand and Upper Extremity

Moderators: Maureen A. O'Shaughnessy, MD, *University of Kentucky*
Eric R. Wagner, MD, *Emory University*

- 12:05 pm – 12:09 pm Effect of Diabetes on Complications Following Elective Hand Surgery
Michael Del Core, MD, University of Texas Southwestern Medical Center
- 12:09 pm – 12:13 pm Suture Button Suspensionplasty and Carpometacarpal Arthritis: 9 Years of Experience
Nathaniel B. Walter, BS, Medical College of Georgia
- 12:13 pm – 12:17 pm Elevated BMI Predicts Increased Intraarticular Comminution in Distal Radius Fractures
Jonathan B. Goodloe, MD, Medical University of South Carolina
- 12:17 pm – 12:21 pm Scaphoid Fractures Treated with Two Headless Compression Screw Technique
Thomas Ergen, MD, Palmetto Health-USC Orthopaedic Center
- 12:21 pm – 12:25 pm Discussion

- 12:25 pm – 12:29 pm Outcomes after A1 Pulley Resection vs Release for Trigger Finger
Porter Young, MD, University of Florida
- 12:29 pm – 12:33 pm Misvaluation of Hospital-Based Upper Extremity Surgery across Payment, Relative Value Units, and Operative Time
Suresh K. Nayar, MD, Johns Hopkins Hospital
- 12:33 pm – 12:37 pm Equivalent PROMIS Scores after Nonoperative or Operative Treatment of Carpometacarpal Osteoarthritis of the Thumb
Suresh K. Nayar, MD, Johns Hopkins Hospital
- 12:37 pm – 12:41 pm The Effect of Malnutrition on Postoperative Complications following Surgery for Distal Radius Fractures
Jacob M. Wilson, MD, Emory University
- 12:41 pm – 12:45 pm Discussion

RAPID FIRE SESSION 3B: Foot & Ankle and Tumor

Moderators: Andre Spiguel, MD, *University of Florida*
Arjun K. Srinath, MD, MPH, *University of Kentucky*

- 12:05 pm – 12:09 pm Survivorship Following Surgical Resection of the Primary Tumor in the Setting of Metastatic Soft Tissue Sarcoma
Sophia A. Traven, MD, Medical University of South Carolina
- 12:09 pm – 12:13 pm A Multicentered Prospective Randomized Controlled Trial of Negative Pressure Wound Therapy for Preoperatively Irradiated Soft Tissue Sarcoma Wounds
Sophia A. Traven, MD, Medical University of South Carolina
- 12:13 pm – 12:17 pm Beaming Screw Midfoot Charcot Reconstruction with and without Subtalar Arthrodesis
Junho Ahn, BS, University of Texas Southwestern Medical Center
- 12:17 pm – 12:21 pm Complications and Radiographic Outcomes of Cotton Osteotomy with a Titanium Wedge in Flatfoot Deformity Correction Surgery
Tyler W. Fraser, MD, Chattanooga, TN
- 12:21 pm – 12:25 pm Discussion
- 12:25 pm – 12:29 pm Outcomes of Novel Biplanar Plating System for Hallux Valgus Correction
Kshitij Manchanda, MD, University of Texas Southwestern Medical Center
- 12:29 pm – 12:33 pm New Technique for Intramedullary Screw Fixation of Fifth Metatarsal Fracture
Andrew M. Schwartz, MD, Emory University Orthopaedics and Spine Hospital
- 12:33 pm – 12:37 pm Innervation of the Dorsal Midfoot Capsule: An Anatomic and Clinical Study
Glenn G. Shi, MD, Mayo Clinic, Jacksonville

12:37 pm – 12:41 pm The Effect of Early Mobilization Compared to Rest, Ice, Elevation, and Compression (RICE) for Treatment Efficacy and Restoration of Ankle Function in Adults with Grade I and II Ankle Sprains - A Systematic Review and Meta-Analysis
Ashley Guillory, PhD, University of Texas Medical Branch

12:41 pm – 12:45 pm Discussion

RAPID FIRE SESSION 3C: Pediatrics

Moderators: Joseph D. Stone, MD, *University of North Carolina*
 Michael P. Horan, MD, MS, *Palmetto Health - University of South Carolina*

12:05 pm – 12:09 pm The Rate of Vessel Injury in Acute Posterior Sternoclavicular Dislocation
Matthew Fournier, MD, University of Tennessee - Campbell Clinic

12:09 pm – 12:13 pm The Role of Obesity on Cast Index and Secondary Intervention in Pediatric Forearm Fractures
Ted S. Samaddar, MD, MPH, Medical University of South Carolina

12:13 pm – 12:17 pm Epidemiology and CRP as Diagnostic Adjuncts in Pediatric Knee Infections
Joseph T. Gibian, BS, Vanderbilt University School of Medicine

12:17 pm – 12:21 pm Documentation of Neurovascular Status in Operative Supracondylar Humerus Fractures is Improved through the use of Templates: The “Dot Phrase” Era of Medicine
Tyler M. Duncan, DO, East Tennessee State University

12:21 pm – 12:25 pm Discussion

12:25 pm – 12:29 pm Casting for Early Onset Scoliosis: Comparison of 3 Different Materials
Bryant M. Song, MS, Louisiana State University

12:29 pm – 12:33 pm Intraoperative Burden of Flexible Intramedullary Nailing and Spica Casting in Young Children
Bryant M. Song, MS, Louisiana State University

12:33 pm – 12:37 pm Author-Reported Affiliations on Accepted Abstracts at POSNA Annual Meeting
Robert Murphy, MD, Medical University of South Carolina

12:37 pm – 12:41 pm Failed Closed Reduction of Pediatric Femur Fractures with Flexible Nailing
William L. Shelton, MD, Louisiana State University School of Medicine

12:41 pm – 12:45 pm Discussion

RAPID FIRE SESSION 3D: Spine

Moderators: Christopher A. Heck, MD, *Southlake Orthopaedics*
 R. Carter Cassidy, MD, *University of Kentucky*

- 12:05 pm – 12:09 pm Pre-Operative Mood Disorder Diagnosis is Predictive of Post-Operative Course after Elective Cervical Spine Surgery
José H. Jiménez-Almonte, MD, MS, University of Kentucky
- 12:09 pm – 12:13 pm Percutaneous Stabilization of Traumatic Lumbar and Thoracic Spine Fractures: A Retrospective Review
Nathan J. Kopydlowski, MD, Saint Louis University
- 12:13 pm – 12:17 pm Tobacco Use is Associated with Worse Patient Reported Outcomes following Elective Cervical Spine Surgery
José H. Jiménez-Almonte, MD, MS, University of Kentucky
- 12:17 pm – 12:21 pm Validation of a Wireless, Non-Optical System for Measurement of Intra-Operative Spine Alignment
Tapan Daftar, MD, Resurgens Orthopaedics
- 12:21 pm – 12:25 pm Discussion
- 12:25 pm – 12:29 pm What's the Shelf Life of Titanium Screws in Spinal Surgery?
Ryan Mayer, BS, MD, University of Kentucky
- 12:29 pm – 12:33 pm Complications in Sleep Apnea Patients Undergoing 1- to 2- Level Lumbar Fusion
Bijan J. Ameri, DO, Holy Cross Hospital
- 12:33 pm – 12:37 pm Online Ratings of Spinal Deformity Surgeons: Analysis of 634 Surgeons
Giresse Melone, University of Texas Medical Branch
- 12:37 pm – 12:41 pm Revision Anterior Cervical Discectomy and Fusion using Porous PEEK Implants
J. Kenneth Burkus, MD, The Hughston Clinic
- 12:41 pm – 12:45 pm Discussion

RAPID FIRE SESSION 3E: Academic Orthopaedics and Practice Management

Moderators: Stephen T. Duncan, MD, *University of Kentucky*
 Brian M. Curtin, MD, *Ortho Carolina*

- 12:05 pm – 12:09 pm Compliance with One-Year Follow-Up after Total Hip and Knee Arthroplasty
Maria Schwabe, BS, Washington University in St. Louis School of Medicine
- 12:09 pm – 12:13 pm Innate Arthroscopic Skill: A Review of Predictive Performance Indicators in Novices
Eric Mason, BS, Orlando Health/UCF College of Medicine
- 12:13 pm – 12:17 pm Predictors of Performance on the Arthrobox Arthroscopy Simulator for Medical Students
Bradley Richey, MS, BS, Orlando Health/UCF College of Medicine
- 12:17 pm – 12:21 pm Patient Understanding and Attitudes Toward Opioid Medications

Vani J. Sabesan, MD, Cleveland Clinic Florida

- 12:21 pm – 12:25 pm Discussion
- 12:25 pm – 12:29 pm Regenerative Medicine: What Can It Do for Me?
Vani J. Sabesan, MD, Cleveland Clinic Florida
- 12:29 pm – 12:33 pm Quality of Online Information Regarding PRP Injections for Knee Osteoarthritis
Rowdy Lee, MHS, PA-C, University of Mississippi Medical Center
- 12:33 pm – 12:37 pm Responsiveness of Patient Reported Outcome Tools in Shoulder Arthroplasty
Kevin J. Cronin, MD, University of Kentucky
- 12:37 pm – 12:41 pm Implementation of a Standardized Care Pathway for Total Knee Arthroplasty
Daniel Gelvez, BS, University of Texas Southwestern Medical Center
- 12:41 pm – 12:45 pm Discussion

RAPID FIRE SESSION 3F: Total Joints

Moderators: C. Lowry Barnes, MD, *University of Arkansas*
Paul K. Edwards, MD, *University of Arkansas for Medical Sciences*

- 12:05 pm – 12:09 pm Rheumatoid Arthritis Increases 90-Day Complications After Primary Total Knee Arthroplasty
Ajit M. Vakharia, BS, Morehouse School of Medicine
- 12:09 pm – 12:13 pm The Clinical Variation in Functional Pelvic Tilt between THA Patients With and Without Spinal Fusion
Michael A. Miranda, DO, Brandon, FL
- 12:13 pm – 12:17 pm Protein Power: The Role of Malnutrition in 90-day Outcomes after Total Joint Arthroplasty
Collin S. Black, MS3, Duke University Medical Center
- 12:17 pm – 12:21 pm The Evolution of 2 to 1 Stage Treatments of PJI's: 1st 500 Cases
Gerhard E. Maale III, MD, Dallas Ft. Worth Sarcoma Group/Medical City Plano
- 12:21 pm – 12:25 pm Discussion
- 12:25 pm – 12:29 pm Anterior Revision Total Hip Arthroplasty is Associated with Decreased Postoperative Instability Compared to Posterior Revision Surgery
Gregory Kurkis, MD, Emory University
- 12:29 pm – 12:33 pm Diagnosing PJI: Disparities in Single Synovial Fluid Sample Sent to Separate Centers
Kevin X. Farley, BS, Emory University School of Medicine

12:33 pm – 12:37 pm Assessment of Online Information Regarding Mesenchymal Stem Cell Osteoarthritis Treatment
Jack G. Tharp, MD, University of Mississippi Medical Center

12:37 pm – 12:41 pm Sequential Total Joint Arthroplasties: Are We Learning?
Cierra S. Hong, BA, Duke University Medical Center

12:41 pm – 12:45 pm Discussion

ROUND TABLE DISCUSSION

12:45 pm – 1:45 pm Shoulder Case Discussions
Chaitu S. Malempati, DO, University of Kentucky

2:45 pm – 3:45 pm **Scientific E-Poster Session** (Presenters are available to answer questions)

3:45 pm – 4:45 pm **Multimedia Education Session**