

EOA Scientific Program
October 17-20, 2019
Mediterranean Ballroom
The Breakers, West Palm Beach, FL
(Presenters and times are subject to change)

Thursday, October 17

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, Introduction of Program and Announcements**

John D. Kelly IV, MD, President

Anil S. Ranawat, MD, Program Chair

Symposium 1 – Hip Preservation

Moderators: Anil S. Ranawat, MD, *Hospital for Special Surgery*

Richard M. Wilk, MD, *Brigham and Women's Hospital*

7:05 am – 7:12 am Evolution of FAI Surgery with Open Hip Management

Michael S. Kain, MD, Boston Medical Center

7:12 am – 7:19 am Hip Arthroscopy for FAI

Bryan T. Kelly, MD, Hospital for Special Surgery

7:19 am – 7:26 am PAO for Dysplasia

Young-Jo Kim, MD, PhD, Boston Children's Hospital

7:26 am – 7:46 am

**50th Anniversary Invited Lectureship:
Forget FAI: What I've Learned in 25 Years about Acetabular
Fractures**

David L. Helfet, MD, Hospital for Special Surgery

7:46 am – 7:56 am

Discussion and Case Presentations

Moderators: John P. Salvo, Jr., MD, *Rothman Orthopaedic Institute*

Richard M. Wilk, MD, *Brigham and Women's Hospital*

Panel: *David L. Helfet, MD, Hospital for Special Surgery*

Michael S. Kain, MD, Boston Medical Center

Bryan T. Kelly, MD, Hospital for Special Surgery

Young-Jo Kim, MD, PhD, Boston Children's Hospital

Javad Parvizi, MD, FRCS, Rothman Orthopaedic Institute

Anil S. Ranawat, MD, Hospital for Special Surgery

Focused Brunch Presentation

7:56 am – 8:26 am

Heron Therapeutics

**CME Credit Not Available*

Concurrent Session 1A – Partial Rotator Cuff Tears: Let the Battle Begin

Moderators: Joshua A. Baumfeld, MD, *Lahey Clinic*

Brian J. Sennett, MD, *University of Pennsylvania*

- 8:28 am – 8:35 am Take Down and Fix!
Joshua S. Hornstein, MD, Rothman Orthopaedic Institute
- 8:35 am – 8:42 am PASTA
Joshua A. Baumfeld, MD, Lahey Clinic
- 8:42 am – 8:49 am Debridement is All You Need Because It's Your Scapula that is the Problem
Mark J. Lemos, MD, Lahey Hospital and Medical Center
- 8:49 am – 8:56 am Why Fix When You Can Just Augment?
Louis F. McIntyre, MD, Northwell Health
- 8:56 am – 9:03 am SCR: What's the Hype?
Tony S. Wanich, MD, High Mountain Orthopedics
- 9:03 am – 9:13 am Discussion

Concurrent Session 1B – Total Knee

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

Neil P. Sheth, MD, *University of Pennsylvania*

- 8:28 am – 8:35 am How to Use Modern Technology with Total Knee: Navigation to Robotics
James D. Slover, MD, New York University
- 8:35 am – 8:42 am Total Knee for Dummies: The 5 Most Important Things that Should be Done
Neil P. Sheth, MD, University of Pennsylvania
- 8:42 am – 8:49 am Infection: What's on the Frontier of Basic Science in Understanding Infection?
Javad Parvizi, MD, FRCS, Rothman Orthopaedic Institute
- 8:49 am – 8:56 am Total Knee Tips and Tricks: Non-Cemented Revision Knee
Amar S. Ranawat, MD, Hospital for Special Surgery
- 8:56 am – 9:03 am Post-Op Pain for Total Knee
Geoffrey H. Westrich, MD, Hospital for Special Surgery
- 9:03 am – 9:13 am Discussion
- 9:13 am – 9:33 am **BREAK – Please Visit Exhibits**

General Session 1 – Award Abstract Presentations

Moderators: Michael P. Ast, MD, *Hospital for Special Surgery*
Adam J. Rana, MD, *Maine Medical Partners*
Geoffrey H. Westrich, MD, *Hospital for Special Surgery*

- 9:35 am – 9:40 am **Michael P. Ast, MD Donor Award**
387 - Joint-Venture Partnership Provides Higher Quality Lower Cost Arthroplasty Care
Alexander J. Rondon, MD, MBA, Rothman Institute
- 9:40 am – 9:45 am **Henry A. Backe Jr., MD Donor Award**
718 - Variations of Innervation of the Thenar Musculature
Chika Okafor, MD, Howard University Hospital
- 9:45 am – 9:50 am **Scott & Mary Boden Donor Award**
80 - A Multimodal Postoperative Pain Protocol Reduces Pain in Lumbar Fusions
Michael P. Markowitz, DO, Rothman Institute
- 9:50 am – 9:55 am **Thomas R. Bowen, MD Donor Award**
661 - Risk Factors for CJR Cost Excess After Total Ankle Arthroplasty Practice Management/Education
Daniel E. Goltz, MD, MBA, Duke University
- 9:55 am – 10:00 am **James T. Guille, MD Donor Award**
200 - BMI Predicts Operative Time and Concurrent Pathology at the Time of Adolescent ACL Reconstruction
Sophia A. Traven, MD, Medical University of South Carolina
- 10:00 am – 10:05 am **John D. Kelly IV, MD Donor Award**
40 - Closed Tibial Plateau Fractures: Predictors of Infection Following Internal Fixation
Rebecca D. Chase, DO, Philadelphia College of Osteopathic Medicine
- 10:05 am – 10:25 am **50th Anniversary Invited Lectureship: What I've Learned in 25 Years About Osteosarcoma**
John H. Healey, MD, FACS, Hospital for Special Surgery

Rapid Fire Session 1A – Sports Medicine

Moderators: TBD

- 10:28 am - 10:33 am 311 - Rotatory Knee Laxity Exists on a Continuum in ACL Injury
Jayson Lian, MD, University of Pittsburgh Medical Center
- 10:33 am - 10:38 am 645 - Prescription Count and Education on Opioid Utilization Following ACL Reconstruction
Kevin X. Farley, BS, Emory University School of Medicine
- 10:38 am - 10:43 am 103 - Return to Sport after BTB vs Hamstring ACL Repair: A Systematic Review
Matthew W. DeFazio, BS, Boston University School of Medicine

- 10:43 am - 10:51 am Discussion
- 10:51 am - 10:56 am 691 - All-Inside Anterior Cruciate Ligament Reconstruction using Dual Cortical Suspensory Fixation: Two Year Outcomes
Daniel B Haber, MD, Massachusetts General Hospital
- 10:56 am - 11:01 am 446 - Tunnel Widening after ACL Reconstruction using Different Graft Fixation Methods
Jeansol Kang, MD, Boston Medical Center
- 11:01 am - 11:06 am 398 - The MLIK: When is Primary Repair an Option?
Harmen D. Vermeijden, BSc, Hospital for Special Surgery
- 11:06 am - 11:14 am Discussion

Rapid Fire Session 1B – Total Hip (Anterior Robotics)

Moderators: TBD

- 10:28 am - 10:33 am 788 – Direct Anterior Total Hip Arthroplasty, Significantly Lower Rates of Deep Venous Thrombosis and Pulmonary Embolism
Ali Oliashirazi, MD, Cooper University Hospital
- 10:33 am - 10:38 am 125 - Enhanced Acetabular Exposure with Self-Retaining Retractors During Anterior Hip Arthroplasty
Brian P. Gladnick, MD, W.B. Carrell Memorial Clinic
- 10:38 am - 10:43 am 308 - Robotic-Assisted Total Hip Arthroplasty May Reduce the Risk of Complications in Patients Younger than 35
David Novikov, BS, NYU Langone Orthopedic Hospital/BU Medical Center
- 10:43 am - 10:51 am Discussion
- 10:51 am - 10:56 am 710 - Accuracy of Image-less Navigation for Functional Cup Positioning and Restoration of Leg Length in Total Hip Arthroplasty: A Matched Comparative Analysis
Morteza Meftah, MD, NYU Langone Orthopedic Hospital
- 10:56 am - 11:01 am 436 - Augmented Reality Improves Acetabular Component Placement in Anterior THA Simulation
Alexander E. Loeb, MD, Johns Hopkins University
- 11:01 am - 11:06 am 48 - Anterior Revision Total Hip Arthroplasty is Associated with Decreased Postoperative Instability Compared to Posterior Revision Surgery
Gregory Kurkis, MD, Emory University
- 11:06 am - 11:14 am Discussion

Rapid Fire Session 1C – Trauma

Moderators: TBD

- 10:28 am - 10:33 am 504 - Pre-Operative Echocardiogram in Hip Fracture Patients: Are We Hindering Care?
Adam Boissonneaul, MB, BCh, BAO, Emory University
- 10:33 am - 10:38 am 147 - Shorter Hospital Stay and Decreased Inpatient Mortality in Acute THA for Acetabular Fractures Compared to ORIF
Mikhail Bekarev, MD, Cedars-Sinai Medical Center
- 10:38 am - 10:43 am 416 - The Potential of Metagenomic DNA Sequencing for Pathogen Identification in Orthopaedic Nonunion
Gerard Chang, MD, Rothman Institute of Orthopaedics
- 10:43 am - 10:51 am Discussion
- 10:51 am - 10:56 am 399 - Economic Effects of Overlapping Trauma Surgery on a Healthcare System
Samuel Rosas, MD, Wake Forest School of Medicine
- 10:56 am - 11:01 am 262 - Comparing C-Arm Versus O-Arm in Placement of Transiliac-Transsacral Screws
Suman Medda, MD, Wake Forest Baptist Medical Center
- 11:01 am - 11:06 am **EOA/OREF Resident Travel Grant Award**
70 - Infections Associated with Temporary External Fixation
Mohamed Salar, MD, UF Health Jacksonville
- 11:06 am - 11:14 am Discussion

Rapid Fire Session 1D – Basic Science

Moderators: TBD

- 10:28 am - 10:33 am 302 - Is a Severe Dupuytren's Disease Phenotype Associated with the Proinflammatory State?
Lauren E Banner, BS, Rothman Orthopedics
- 10:33 am - 10:38 am 428 - The Microbiome of Osteoarthritic Hip and Knee Joint: A Prospective Multicenter Investigation
Karan Goswami, MD, MRCS, Rothman Institute of Orthopaedics
- 10:38 am - 10:43 am 490 - Promoting Healing in Segmental Defects Through Ectopic Induced Membrane
John A. Ruder, MD, Atrium Health Musculoskeletal Institute
- 10:43 am - 10:51 am Discussion
- 10:51 am - 10:56 am 151 - Suture Material Influence on the Biomechanical Behavior of Suture-Meniscal Specimens
John R Matthews, BS, MD, University of Buffalo

- 10:56 am - 11:01 am 463 - The Effect of Topical Vancomycin on Diabetic Fracture Healing
Yazan Kadkoy, MS, Rutgers New Jersey Medical School
- 11:01 am - 11:06 am 521 - Correlation Between Synovial Fluid Biomarkers and Leg-Fat Area Ratios in Patients Undergoing Knee Arthroscopy
Jordan A. Werner, MD, NYU Langone Orthopedic Hospital
- 11:06 am - 11:14 am Discussion

Rapid Fire Session 1E – Shoulder/Upper Extremity (Reverse Shoulder)

Moderators: TBD

- 10:28 am - 10:33 am 75 - Reverse Shoulder Replacement: Incidence Rates, Complications, and Outcomes in 2,638 Patients as Reported by ABOS Part II Candidates from 2005 through 2017
Stephen Weber, MD, Johns Hopkins School of Medicine
- 10:33 am - 10:38 am 440 - Tuberosity Repair Versus Excision for Proximal Humerus Fractures Treated with RTSA
Hariharan Iyer, MD, Stony Brook University
- 10:38 am - 10:43 am 423 - Total Shoulder Arthroplasty Incidence is Rapidly Increasing- Projections to 2025
Jacob M. Wilson, MD, Emory University
- 10:43 am - 10:51 am Discussion
- 10:51 am - 10:56 am 352 - Reverse Shoulder Arthroplasty Survival Analysis in Patients Younger Than Fifty-Five
James F Stenson Jr., DO, Rowan University School of Osteopathic Medicine
- 10:56 am - 11:01 am 235 - Patient Satisfaction after Reverse Total Shoulder Arthroplasty
Ryan C. Rauck, MD, Hospital for Special Surgery
- 11:01 am - 11:06 am 692 - Incidence and Trends of Reverse Shoulder Arthroplasty vs Total Shoulder Arthroplasty in the Elderly
Lauren M. Boden, MD, Hospital of the University of Pennsylvania
- 11:06 am - 11:14 am Discussion
- 11:15 am – 11:35 am **BREAK – Please Visit Exhibits**

General Session 2 – BOC, OREF, ABOS and AAOS Updates

Moderator: Anil S. Ranawat, MD, *Hospital for Special Surgery*

- 11:35 am – 11:42 am BOC Update
Henry A. Backe Jr., MD, Netter School of Medicine, Quinnipiac University, New Haven Health System

- 11:42 am – 11:49 am OREF Update
Michael L. Parks, MD, Hospital for Special Surgery
- 11:49 am – 11:56 am ABOS Update
Douglas W. Lundy, MD, MBA, ABOS President, Resurgens Orthopaedics
- 11:56 am – 12:06 pm AAOS Update
Kristy L. Weber, MD, FACS, AAOS President, University of Pennsylvania

Focused Lunch Presentation

- 12:06 pm – 12:36 pm Johnson & Johnson Medical Device Companies
**CME Credit Not Available*

General Session 3 – Howard Steel Lecture

Moderator: John D. Kelly IV, MD, *University of Pennsylvania*

- 12:36 pm – 12:41 pm Introduction of Howard Steel Lecture
John D. Kelly IV, MD, University of Pennsylvania
- 12:41 pm – 1:11 pm Title
Kevin Reilly, Philadelphia, PA

General Session 4 – Round Table Discussion

Moderator: Marney Reid, *Surgical Care Affiliates*

- 1:15 pm – 2:05 pm The Future of ASCs in Orthopedics
Michael P. Ast, MD, Hospital for Special Surgery
William R. Beach, MD, Tuckahoe Orthopaedic Associates
Amanda Golkow, Surgical Care Affiliates
- 2:05 pm – 2:25 pm **BREAK – Please Visit Exhibits**

Concurrent Session 2A – Foot, Ankle and Trauma

Moderator: David L. Helfet, MD, *Hospital for Special Surgery*

- 2:25 pm – 2:32 pm My Favorite Foot/Ankle Procedures and the One I Prefer to Pass On
Judith F. Baumhauer, MD, MPH, University of Rochester
- 2:32 pm – 2:39 pm Foot and Ankle Injuries in Athletes: The 5 Diagnoses You Can't Miss
Sameh (Sam) A. Labib, MD, Emory Sports Medicine Center
- 2:39 pm – 2:45 pm Talus and Pilon Fractures
David E. Asprinio, MD, Westchester Medical Arts Atrium
- 2:45 pm – 2:52 pm Tibial Plateau Fractures
David S. Wellman, MD, Hospital for Special Surgery
- 2:52 pm – 3:06 pm Discussion

Concurrent Session 2B – Hand and Wrist

Moderators: Henry A. Backe Jr., MD, *Netter School of Medicine, Quinnipiac University, New Haven Health System*

Charles A. Cassidy, MD, *Tufts Medical Center*

Marc J. Richard, MD, *Duke University Medical Center*

- 2:25 pm – 2:32 pm Avoiding Pitfalls and Complications of Distal Radius Open Reduction Internal Fixation
Mark S. Rekant, MD, Philadelphia Hand to Shoulder Center
- 2:32 pm – 2:39 pm Pearls and Tricks of Diagnosing Common Hand Injuries
Robert H. Wilson, MD, Howard University College of Medicine
- 2:39 pm – 2:45 pm Skier's Thumb: Everything You Need to Know
Henry A. Backe Jr., MD, Netter School of Medicine, Quinnipiac University, New Haven Health System
- 2:45 pm – 2:52 pm Soft Tissue Cartilage around the Hand
Daniel A. Osei, MD, MSc, Hospital for Special Surgery
- 2:52 pm – 2:59 pm Scaphoid Fractures: Everything You Need to Know
Marc J. Richard, MD, Duke University Medical Center
- 2:59 pm – 3:06 pm Discussion

Panel: *Henry A. Backe Jr., MD, Netter School of Medicine, Quinnipiac University, New Haven Health System*
Charles A. Cassidy, MD, Tufts Medical Center
Daniel A. Osei, MD, MSc, Hospital for Special Surgery
Mark S. Rekant, MD, Philadelphia Hand to Shoulder Center
Marc J. Richard, MD, Duke University Medical Center
Robert H. Wilson, MD, Howard University College of Medicine

Concurrent Session 3A – Shoulder

Moderators: Joshua A. Baumfeld, MD, *Lahey Clinic*

Brian J. Sennett, MD, *University of Pennsylvania*

Nicholas A. Sgaglione, MD, *North Shore Long Island Jewish Medical Center*

- 3:06 pm – 3:13 pm Mistakes I have Made in Shoulder Instability: My Complications
Sommer Hammoud, MD, Rothman Orthopaedic Institute
- 3:13 pm – 3:20 pm Why are We Doing Too Many Reverses?
Brian J. Sennett, MD, University of Pennsylvania
- 3:20 pm – 3:27 pm ORIF: How and When I Do it
David S. Wellman, MD, Hospital for Special Surgery
- 3:27 pm – 3:34 pm Reverse: How and When I Do it
Xinning Li, MD, Boston University School of Medicine

3:34 pm – 3:41 pm Discussion

Concurrent Session 3B – Orthobiologics and Orthopaedic Science

Moderators: Kevin D. Plancher, MD, MPH, *Albert Einstein College of Medicine*
Stephen J. Nicholas, MD, *Lenox Hill Hospital*

3:06 pm – 3:13 pm Ultrasound and In-Office Arthroscopy: How Do I Use it in the Clinic?
Kevin D. Plancher, MD, MPH, Albert Einstein College of Medicine

3:13 pm – 3:20 pm PRP and ICGB: Basic Science and Clinical Applications
Stephen J. Nicholas, MD, Lenox Hill Hospital

3:20 pm – 3:27 pm Stem Cells, Fat Cells and All the Cells: Basic Science of New
Orthobiologics
Eric J. Strauss, MD, New York University Langone Medical Center

3:27 pm – 3:34 pm Clinical Applications of Stem Cells in Orthopedics
Vishal Saxena, MD, Temple University

3:34 pm – 3:41 pm Discussion

Symposium 2 – Knee Preservation

Moderators: Brian J. Sennett, MD, *University of Pennsylvania*

3:44 pm – 3:51 pm Subchondral Edema: Why It Matters
Steven B. Cohen, MD, Rothman Orthopaedic Institute

3:51 pm – 3:58 pm Osteotomy and Alternative Solutions
Anil S. Ranawat, MD, Hospital for Special Surgery

3:58 pm – 4:05 pm Isolated Cartilage Procedures
Christian Latterman, MD, Brigham and Women's Hospital

4:05 pm – 4:12 pm Meniscal Repair: Scaffolds and Allografts
R. Frank Henn III, MD, University of Maryland

4:12 pm – 4:22 pm Discussion and Case Presentations

Moderators: Brian J. Sennett, MD, *University of Pennsylvania*
Eric J. Strauss, MD, *New York University Langone Medical Center*

Panel: *Steven B. Cohen, MD, Rothman Orthopaedic Institute*
R. Frank Henn III, MD, University of Maryland
Christian Latterman, MD, Brigham and Women's Hospital
Anil S. Ranawat, MD, Hospital for Special Surgery

Rapid Fire Session 2A – Total Knee

Moderators: TBD

- 4:25 pm - 4:30 pm 554 - Long Term Results of Total Knee Arthroplasty Performed in Patients Under 35 Years of Age
Jason L. Blevins, MD, Hospital for Special Surgery
- 4:30 pm - 4:35 pm 624 - Why Patients Choose Robotic Total Knee Arthroplasty: A Prospective, Randomized Analysis
Jennifer Kurowicki, MD, St. Joseph's Regional Medical Center
- 4:35 pm - 4:40 pm 367 - Learning Curve for Active Robotic Total Knee Arthroplasty
Siddharth A. Mahure, MD, MBA, NYU Hospital for Joint Diseases
- 4:40 pm - 4:45 pm Discussion
- 4:45 pm - 4:50 pm 213 - Perioperative and Postoperative Outcomes of a Cementless, Rotating-Platform, Cruciate-Retaining Total Knee Arthroplasty: A Matched-Pair Analysis at Minimum Two-Year Follow Up
Peter B. White, DO, MS, Northwell Health Plainview Hospital
- 4:50 pm - 4:55 pm 26 - Clinical and Radiographic Outcomes of a Modern TKA Prosthesis Compared to its Predecessor at Five-Year Follow Up: Matched Pair Analysis
Chitranjan S. Ranawat, MD, Hospital for Special Surgery
- 4:55 pm - 5:00 pm 38 - Cement Mantle Not Affected by Tourniquetless TKA Using Tranexamic Acid
Carl L. Herndon, MD, Columbia University
- 5:00 pm - 5:05 pm 45 - MRI Assessment of Knee Geometry Criticizes the Current Technique for Femoral Component Rotational Alignment in Knee Replacement
Mahdie Kerdari, MD, Rowan University
- 5:05 pm - 5:10 pm Discussion

Rapid Fire Session 2B – Health Economics and Policy

Moderators: TBD

- 4:25 pm - 4:30 pm 681 - Opioid Prescriptions by Orthopaedic Surgeons in a Medicare Population: Recent Trends, Potential Complications, and Characteristics of High Prescribers
Venkat Boddapati, MD, Columbia University Medical Center
- 4:30 pm - 4:35 pm 772 - Cost-Effectiveness of Treating HCV Prior to THA
Afshin A Anoushiravani, MD, Albany Medical Center
- 4:35 pm - 4:40 pm 77 - Concern For Resident Wellness on Orthopaedic Fracture Rotations
Adam S. Driesman, MD, NYU Langone Health
- 4:40 pm - 4:45 pm Discussion
- 4:45 pm - 4:50 pm 670 - Effect of Disposable Perioperative Jackets on Surgical Site Infections

Erik J. Stapleton, MS, DO, Northwell Health

- 4:50 pm - 4:55 pm 784 - H-Index/Research Gate Score as Indices for Sports Medicine Academic Promotion
Molly M. Vora, BA, Boston University School of Public Health
- 4:55 pm - 5:00 pm 380 - How Much Does a Total Knee Arthroplasty Actually Cost?
Alexander J. Rondon, MD, MBA, The Rothman Institute at Thomas Jefferson University
- 5:00 pm - 5:05 pm 211 - The Top 100 Social Media Influencers in Orthopaedic Surgery
Nathan H Varady, SB, Harvard Medical School/Massachusetts General Hospital
- 5:05 pm - 5:10 pm Discussion

Rapid Fire Session 2C – Foot/Ankle

Moderators: TBD

- 4:25 pm - 4:30 pm 238 - Management of Chronic Exertional Compartment Syndrome and Return to Sport
John J. Mangan, MD, MHA, Rothman Institute
- 4:30 pm - 4:35 pm 115 - Impact of Socioeconomic Status on PASS in Foot & Ankle Patients
David N. Bernstein, MBA, MA, University of Rochester School of Medicine & Dentistry
- 4:35 pm - 4:40 pm 649 - A New Technique for Intramedullary Screw Fixation of Fifth Metatarsal Fractures
Andrew M. Schwartz, MD, Emory University Orthopaedics and Spine Hospital
- 4:40 pm - 4:45 pm Discussion
- 4:45 pm - 4:50 pm 669 - Surgeon Specialty and Ankle Fracture Fixation: Does Focus Affect Outcome?
Charlotte N. Shields, BS, NYU Langone Orthopedic Hospital
- 4:50 pm - 4:55 pm 84 - Early Outcomes Following Dorsal Denervation of the Midfoot for Management of Chronic Pain
Glenn G. Shi, MD, Mayo Clinic, Jacksonville
- 4:55 pm - 5:00 pm 58 - Pain and Complications following Bone Marrow Aspirate Concentrate (BMAC) Harvested from the Iliac Crest in Foot and Ankle Surgery
Christy M. Christophersen, MD, Drexel University College of Medicine/Hahnemann University Hospital
- 5:00 pm - 5:05 pm 629 - Management of Acute Achilles Tendon Ruptures: Survey of Military Surgeons
Nischal S. Nadig, DO, Dwight D. Eisenhower Army Medical Center

5:05 pm - 5:10 pm Discussion

Rapid Fire Session 2D – Miscellaneous

Moderators: TBD

- 4:25 pm - 4:30 pm 104 - Stabilization of the Unstable Elbow using Internal Dynamic Fixation
William A. Marshall, MD, Greenville Health System
- 4:30 pm - 4:35 pm 709 - Implications of Obesity on Surgical Management of Terrible Triad Injuries
Eliana Saltzman, MD, Duke University Medical Center
- 4:35 pm - 4:40 pm 263 - Elbow Contracture Following Operative Fixation of Fractures about the Elbow
Lauren Elisabeth Wessel, MD, Hospital for Special Surgery
- 4:40 pm - 4:45 pm Discussion
- 4:45 pm - 4:50 pm 146 - The Tritomic Approach: A Triceps Sparing Approach for Total Elbow Arthroplasty
Hannah L. Smith, BS, Mercer University School of Medicine
- 4:50 pm - 4:55 pm 494 - Classification of Ulnar Nerve Subluxation with Endoscopic Cubital Tunnel Release
Ather A. Mirza, MD, Mirza Orthopedics
- 4:55 pm - 5:00 pm 145 - Return to Work After Distal Biceps Tendon Repair
John M. Reynolds, MD, Temple University Hospital
- 5:00 pm - 5:05 pm 457 - Surgical Outcomes for Brachial Plexus Birth Palsy: A Comparison of the Modified Hoffer and L'Episcopo Techniques
Linda H. Chao, MD, Wake Forest Baptist Health
- 5:05 pm - 5:10 pm Discussion

Rapid Fire Session 2E – Pediatrics

Moderators: TBD

- 4:25 pm - 4:30 pm 427 - MRI Quantification of Meniscus Vascularity in Pediatric Versus Adult Knees
Kenneth M. Lin, MD, Hospital for Special Surgery
- 4:30 pm - 4:35 pm 431 - Motion Is Independent of Sagittal Plane Alignment Post Supracondylar Fracture
Rachel S. Silverstein, MD, MBS, Westchester Medical Center
- 4:35 pm - 4:40 pm 325 - Advanced Imaging of Pediatric Radial Nerve Anatomy for Intraoperative Use
Max M. Cornell, BS, Geisinger

4:40 pm - 4:45 pm	Discussion
4:45 pm - 4:50 pm	43 - The Rate of Vessel Injury After Acute Posterior Sternoclavicular Dislocation <i>Matthew Fournier, MD, University of Tennessee, Campbell Clinic</i>
4:50 pm - 4:55 pm	71 - Expanding Practice Boundaries: Delivery of Fracture Care using Telemedicine in Pediatric Orthopaedics <i>Mark Seeley, MD, Geisinger Health Systems</i>
4:55 pm - 5:00 pm	59 - A Two-Surgeon Approach Improves Performance for Young Surgeons in Adolescent Idiopathic Scoliosis <i>William P. Bassett, MD, Rutgers University</i>
5:00 pm - 5:05 pm	633 - Malnutrition May Predict Length of Hospital Stay and Postoperative Complications Following Posterior Spinal Fusion for Neuromuscular Scoliosis: A Matched Cohort Analysis <i>Alejandro Marquez-Lara, MD, Wake Forest University</i>
5:05 pm - 5:10 pm	Discussion
5:10 pm – 5:55 pm	Scientific E-Poster Session (Presenters are available to answer questions)
5:55 pm – 6:40 pm	Multimedia Education Session

Friday, October 18

6:00 am – 7:00 am	Scientific E-Poster Session (Presenters are available to answer questions.)
7:00 am – 7:05 am	Morning Agenda <i>Anil S. Ranawat, MD, Program Chair</i>

Symposium 3 – ACL: Past, Present, Future

Moderator: Anil S. Ranawat, MD, *Hospital for Special Surgery*

7:05 am – 7:12 am	Does ACL Surgery Cause or Prevent Arthritis? <i>Robert G. Marx, MD, MSc, MRCSC, Hospital for Special Surgery</i>
7:12 am – 7:19 am	Can an ACL Heal, and How? <i>Gregory S. DiFelice, MD, Hospital for Special Surgery</i>
7:19 am – 7:26 am	Graft Choice: Why it Still is Debated <i>John W. Xerogeanes, MD, Emory University</i>
7:26 am – 7:46 am	50th Anniversary Invited Lectureship: What I've Learned in 25 years About Treating ACL Tears <i>John C. Richmond, MD, Boston Sports and Shoulder Center</i>

7:46 am – 7:56 am Discussion and Case Presentation: Stump the Experts

Moderators: Joshua S. Hornstein, MD, *Rothman Orthopaedic Institute*
Nicholas A. Sgaglione, MD, *North Shore Long Island Jewish Medical Center*

Panel: Gregory S. DiFelice, MD, *Hospital for Special Surgery*
Robert G. Marx, MD, MSc, MRCSC, *Hospital for Special Surgery*
Anil S. Ranawat, MD, *Hospital for Special Surgery*
John W. Xerogeanes, MD, *Emory University*

Focused Brunch Presentation

7:56 am – 8:26 am ConvaTec
*CME Credit Not Available

Concurrent Session 4A – Spine

Moderator: Christopher K. Kepler, MD, MBA, *Rothman Orthopaedic Institute*

8:26 am – 8:33 am Biologics and Spine: Update for 2019
Scott D. Boden, MD, Emory University

8:33 am – 8:40 am Total Discs: Fad or Fiction?
Zeeshan M. Sardar, MD, Columbia University

8:40 am – 8:47 am Spine Economics: How Can We Save Cost in the Future?
Christopher K. Kepler, MD, MBA, Rothman Orthopaedic Institute

8:47 am – 8:54 am Hip-Spine Syndrome: Spine Side
Marc J. Levine, MD, Rothman Orthopaedic Institute

8:54 am – 9:01 am Minimally Invasive Spine: Fact or Fiction
Andrew H. Milby, MD, University of Pennsylvania

9:01 am – 9:11 am Discussion

Concurrent Session 4B– Surgical Education and Resident Education

Moderators: Joseph Benevenia, MD, *Rutgers North Jersey Medical School Newark*
L. Scott Levin, MD, FACS, *University of Pennsylvania*

8:26 am – 8:33 am Is There a Problem? 80 Hour Workweek? Surgical Independence?
Joseph Benevenia, MD, Rutgers North Jersey Medical School Newark

8:33 am – 8:40 am Teaching Professionalism in Orthopedic Residency
Joseph D. Zuckerman, MD, New York University Langone Medical Center

8:40 am – 8:47 am The Future of Training is Simulation
Duretti T. Fufa, MD, Hospital for Special Surgery

- 8:47 am – 8:54 am We Need Objective Assessment of Surgical Training before Government Demands – Peds Approach
Michael Suk, MD, JD, MPH, MBA, FACS, Geisinger Health System
- 8:54 am – 9:01 am How Do Residency Directors Deal with Adding Time Pressures?
Joel C. Klena, MD, Geisinger Medical Center
- 9:01 am – 9:11 am Discussion
- Panel:** *Joseph Benevenia, MD, Rutgers North Jersey Medical School Newark*
A. Rashard Dacus, MD, University of Virginia
Duretti T. Fufa, MD, Hospital for Special Surgery
Joel C. Klena, MD, Geisinger Medical Center
L. Scott Levin, MD, FACS, University of Pennsylvania
Michael Suk, MD, JD, MPH, MBA, FACS, Geisinger Health System
- 9:11 am – 9:31 am **BREAK – Please Visit Exhibits**
- General Session 5 – Award Abstract Presentations**
Moderators: Mark J. Lemos, MD, *Lahey Hospital & Medical Center*
Nicholas A. Sgaglione, MD, *North Shore Long Island Jewish Medical Center*
- 9:33 am – 9:38 am **Sam A. Labib, MD Donor Award**
272 - Normal Variation and Instability Values of the Tibiofibular Joint on Weightbearing CT
Rohan Bhimani, DNB ortho., D.Ortho., MBBS, Massachusetts General Hospital
- 9:38 am – 9:43 am **Kevin D. Plancher, MD, MPH Donor Award**
462 - Two Attending Surgeons Improve Outcomes of Single Level ACDFs
Conor Dunn, MD, St. Joseph's University Medical Center
- 9:43 am – 9:48 am **Amar S. Ranawat, MD Donor Award**
33 - The Effect of Preoperative Anemia on Complications Following Total Hip Arthroplasty
Matthew J. Grosso, MD, Columbia University Medical Center
- 9:48 am – 9:53 am **Anil S. Ranawat, MD Donor Award**
346 - Arthroscopy Versus Open Arthrotomy for Treatment of Septic Knee Arthritis: A Systematic Review and Meta-Analysis
Ilda B. Molloy, MD, Dartmouth-Hitchcock Medical Center
- 9:53 am – 9:58 am **Geoffrey H. Westrich, MD Donor Award**
32 - Intraoperative Ketamine during TKA: A Prospective Randomized Trial
Janet H. Rhee, BS, Rothman Institute
- 9:58 am – 10:03 am **Resident Award**
39 - Utilizing Electrospun Fibers to Optimize Local Protein Delivery Using PMMA

Ryan Hoffman, MD, Albert Einstein Medical Center

10:03 am – 10:23 am

50th Anniversary Invited Lectureship: What I've Learned in 25 Years About Innovation in Shoulder Surgery and Cost

Joseph D. Zuckerman, MD, New York University Langone Medical Center

Rapid Fire Session 3A – Hip Preservation

Moderators: TBD

10:26 am - 10:31 am

270 - Arthroscopic Management of the Crossover Sign as a Function of Acetabular Coverage: Does Dysplasia Change Things?

Dominic S. Carreira, MD, Peachtree Orthopedics

10:31 am - 10:36 am

244 - The Evolution of Hip Arthroscopy: What Has Changed Between 2008 and 2018 - A Single Surgeon's Experience

Philip J. Rosinsky, MD, American Hip Institute

10:36 am - 10:41 am

496 - Outcomes Following Endoscopic Proximal Hamstring Repair

Thomas Novack, MD, St. Joseph's Regional Medical Center

10:41 am - 10:46 am

Discussion

10:46 am - 10:51 am

221 - Do Larger Acetabular Chondral Defects Portend Inferior Outcomes in Patients Undergoing Arthroscopic Acetabular Microfracture?

Benjamin G. Domb, MD, American Hip Institute

10:51 am - 10:56 am

203 - Perineal Pressure During Hip Arthroscopy Is Reduced by Use of Trendelenburg: A Prospective Study with Randomized Order of Positioning

Ajay Lall, MD, MS, American Hip Institute

10:56 am - 11:01 am

218 - Minimum Five-Year Outcomes of Endoscopic Gluteus Medius Repair with Concomitant Arthroscopic Treatment for Labral Tears

Itay Perets, MD, American Hip Institute

11:01 am - 11:06 am

182 - Primary Labral Reconstruction in Patients with Femoroacetabular Impingement, Irreparable Labral Tears, and Severe Acetabular Chondral Defects Decreases the Risk and Rate of Conversion to Total Hip Arthroplasty. A Pair-Matched Study

David Maldonado, MD, American Hip Institute

11:06 am - 11:11 am

Discussion

Rapid Fire Session 3B– Hand/Wrist

Moderators: TBD

10:26 am - 10:31 am

279 - Formation of Scar Tissue Inside and Outside of a Conduit Used to Repair a Transected Sciatic Nerve in a Rabbit Model of Peripheral Nerve Injury

Pedro Beredjikian, MD, Rothman Orthopedic Institute

- 10:31 am - 10:36 am 600 - Effectiveness of Quickcast versus Prefabricated Splint Immobilization for the Treatment of Mallet Fingers: A Randomized Blinded Clinical Trial
Michael Rivlin, MD, Rothman Institute
- 10:36 am - 10:41 am 450 - Optimal Position of Suture Button Suspensionplasty for Basal Joint Arthritis
Bryan Hozack, MD, Rothman Institute at Thomas Jefferson University Hospital
- 10:41 am - 10:46 am Discussion
- 10:46 am - 10:51 am 268 - Corticosteroid Injections Increase the Infection Risk for Trigger Finger Surgery
Cory M Lebowitz, BS, DO, Rowan University School of Osteopathic Medicine
- 10:51 am - 10:56 am 119 - Equivalent PROMIS Scores after Nonoperative or Operative Treatment of Carpometacarpal Osteoarthritis of the Thumb
Suresh K. Nayar, MD, Johns Hopkins Hospital
- 10:56 am - 11:01 am **Resident Travel Grant Award**
173 - Minimal tendon injury with percutaneous retrograde metacarpal screw placement
Tara E. Gaston, DO, Rowan School of Medicine
- 11:01 am - 11:06 am **EOA/OREF Resident Travel Grant Award**
250 - A Comparison of Screw Placement Utilizing an Antegrade vs a Retrograde Technique for Fixation of Scaphoid Waist Fractures
Ludovico Lucenti, Rothman Orthopedics
- 11:06 am - 11:11 am Discussion

Rapid Fire Session 3C – Total Joint

Moderators: TBD

- 10:26 am - 10:31 am 658 - A Comprehensive Tool Predicts Discharge Location After Total Joint Arthroplasty
Daniel E. Goltz, MD, MBA, Duke University
- 10:31 am - 10:36 am 306 - Perioperative Work Burden of Total Joint Arthroplasty Has Increased
Amy Wasterlain, MD, Rothman Orthopaedics
- 10:36 am - 10:41 am 785 - Total Hip and Knee Arthroplasty Can Save Lungs
Alisina Shahi, MD, PhD, Cooper University Hospital
- 10:41 am - 10:46 am Discussion
- 10:46 am - 10:51 am 210 - Preoperative Oral Hydration is Safe in Rapid Recovery THA
Andrew D. Posner, MD, Albany Medical Center

- 10:51 am - 10:56 am 790 - Synovial Absolute Neutrophil Count Can Be Used for Diagnosis of Periprosthetic Joint Infection
Usama Saleh, MD, Cooper University Hospital
- 10:56 am - 11:01 am 606 - Comparison of Payment Margins between BPCI and CJR Show Marked Reduction for Successful Program
Jonathan A. Gabor, BS, NYU Langone Health
- 11:01 am - 11:06 am 300 - At What Cutoff Value Does Albumin Best Predict Poor TJA Outcomes?
Collin S. Black, MS3, Duke University Medical Center
- 11:06 am - 11:11 am Discussion

Rapid Fire Session 3D – Tumor

Moderators: TBD

- 10:26 am - 10:31 am 671 - "Boost Effect": Can We Expose Metastatic Patients to Less Radiation?
Sandra A. Miskiel, MD, Cooper Bone & Joint Institute at Cooper University Hospital
- 10:31 am - 10:36 am 704 - Impact of Limb Salvage vs Amputation on Overall Survival in Patients with Osteosarcoma of the Extremities
Daniel Evans, MSc, Duke University
- 10:36 am - 10:41 am 290 - The Downstream Revenue Impact of a Dedicated Orthopaedic Oncologist
Zeke Walton, MD, Medical University of South Carolina
- 10:41 am - 10:46 am Discussion
- 10:46 am - 10:51 am 205 - Risk Factors for Metastatic Disease at Presentation with Chondrosarcoma
Sophia A. Traven, MD, Medical University of South Carolina
- 10:51 am - 10:56 am 116 - Effect of Radiotherapy on Invasiveness and Outcomes in Soft Tissue Sarcomas
Courtney Toombs, MD, Yale New Haven Hospital
- 10:56 am - 11:01 am 532 - Treatment of Metastatic Disease at the Femur: Does Primary Histology Impact Outcomes?
Jennifer E. Thomson, BS, Rutgers New Jersey Medical School
- 11:01 am - 11:06 am 782 - Survival Analysis of Skeletal Metastasis from Extremity Soft-Tissue Sarcomas
Spencer H. Summers, MD, Jackson Memorial Hospital/University of Miami Health System

11:06 am - 11:11 am Discussion

Rapid Fire Session 3E – Trauma

Moderators: TBD

10:26 am - 10:31 am 601 - Treating Comminuted Distal Femur Fractures: ORIF vs Arthroplasty
Anthony J. Boniello, MD, Drexel University College of Medicine

10:31 am - 10:36 am 223 - Intramedullary-Nailing Versus Locked-Plating for Distal Femur Fractures: A Meta-Analysis
Patrick F. Szukics, DO, Rowan School of Osteopathic Medicine; Jefferson Health System/Our Lady of Lourdes Medical Center

10:36 am - 10:41 am 369 - Effects of Dual-Plating on Distal Femur Vascularity: Quantitative MRI Analysis
Naomi E. Gadinsky, MD, Hospital for Special Surgery

10:41 am - 10:46 am Discussion

10:46 am - 10:51 am 520 - Should We Rely on DEXA Scanning to Predict Fragility Fracture?
Erin A Kelly, BA, MS, NYU Langone Orthopedic Hospital

10:51 am - 10:56 am 770 - Immediate Weight Bearing After Internal Fixation of Unstable Ankle Fractures
Brianna R. Fram, MD, Rothman Institute of Orthopedics and Thomas Jefferson University Hospitals

10:56 am - 11:01 am 716 - Retrograde Intramedullary Screw Fixation for Distal Fibula Fractures
Megan L. Jimenez, DO, Inspira Health Network

11:01 am - 11:06 am 141 - Outcomes of Fracture Dislocation of Tibial Plateau Fractures
Matthew R. Widner, MD, Penn State Orthopaedics

11:06 am - 11:11 am Discussion

11:11 am – 11:31 am **BREAK – Please Visit Exhibits**

General Session 6 – New Jersey Orthopedic Society Distinguished Lecturer and Resident Guest Program

President: Frank G. Alberta, MD, *New Jersey Orthopedic Society*

Moderator: J. Milo Sowards, MD, *Temple University*

11:31 am – 11:38 am Cartilage Update Around Knee – 360 Degree Approach
Anthony J. Scillia, MD, Seton Hall University

11:38 am – 11:45 am What Temple has Done for Orthopedics
Eric J. Kropf, MD, Temple University

11:45 am – 11:52 am Resident Guest Program Award
160 - Infection Rates With Management of Tibia Fractures From Firearm injuries
Alexander Johnson, MD, Temple University Hospital

12:02 pm – 12:12 pm Discussion

Focused Lunch Presentation

12:12 pm – 12:42 pm Flexion Therapeutics
**CME Credit Not Available*

General Session 7 – Presidential Guest Speaker

Moderator: John D. Kelly IV, MD, *University of Pennsylvania*

12:42 pm – 12:47 pm Introduction of Presidential Guest Speaker
John D. Kelly IV, MD, University of Pennsylvania

12:47 pm – 1:17 pm The Value of Teamwork: The Principles of Upper Extremity Allotransplantation
L. Scott Levin, MD, FACS, University of Pennsylvania

Eastern Orthopaedic Association 50th Annual Meeting Resident Program

Course Chair: Michael P. Ast, *Hospital for Special Surgery*

Course Vice-Chair: Neil P. Sheth, MD, *University of Pennsylvania*

Moderators: Lisa K. Cannada, MD, *Jacksonville, FL*
Michael Suk, MD, JD, MPH, MBA, FACS, *Geisinger Health System*

1:30 pm – 1:35 pm Introduction
Michael P. Ast, MD, Hospital for Special Surgery

1:35 pm – 1:40 pm Surgical Care Affiliates Introduction
Marney Reid, Surgical Care Affiliates

1:40 pm – 2:05 pm Introduction to Physician Employment Models
Michael P. Ast, MD, Hospital for Special Surgery
Cynthia L. Emory, MD, MBA, Wake Forest University School of Medicine
Neil P. Sheth, MD, University of Pennsylvania

2:05 pm – 2:20 pm High-Yield Hand and Wrist
Leslie A. Barnes, MD, Temple University

2:20 pm – 2:35 pm High-Yield Trauma
Lisa K. Cannada, MD, Jacksonville, FL

2:35 pm – 2:50 pm High-Yield Sports Medicine
Kevin D. Plancher, MD, MPH, Albert Einstein College of Medicine

- 2:50 pm – 3:05 pm Spine Update 2019
Theresa J.C. Pazonis, MD, Temple University
- 3:05 pm – 3:15 pm **REFRESHMENT BREAK**
- 3:15 pm – 3:30 pm Introduction to Employment Contracts
Michael P. Ast, MD, Hospital for Special Surgery
- 3:30 pm – 3:45 pm High-Yield Shoulder and Upper Extremity
Eric R. Wagner, MD, Emory University Division of Upper Extremity Surgery
- 3:45 pm – 4:00 pm High-Yield Foot and Ankle
MaCalus V. Hogan, MD, MBA, University of Pittsburgh Medical Center
- 4:00 pm – 4:15 pm High-Yield Adult Hip and Knee Arthroplasty
Douglas E. Padgett, MD, Hospital for Special Surgery
- 4:15 pm – 4:30 pm High Yield Tumor & Basic Science
Sheila A. Conway, MD, University of Miami
- 4:30 pm – 5:30 pm Resident Networking Reception
- 4:30 pm – 5:00 pm **Scientific E-Poster Session** (Presenters are available to answer questions)
- 5:00 pm – 5:30 pm **Multimedia Education Session**

Saturday, October 19

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

Chairmen and Program Directors (by invitation only) Challenges of Residency in Orthopaedics

Moderator: Scott D. Boden, MD, *Emory University*

- 6:30 am – 8:00 am **Panel:** *Kathleen S. Beebe, MD, Rutgers New Jersey Medical School*
Scott D. Boden, MD, Emory University
Lisa K. Cannada, MD, Jacksonville, FL
Charles A. Cassidy, MD, Tufts Medical Center
Sheila A. Conway, MD, University of Miami
A. Rashard Dacus, MD, University of Virginia
Joseph N. Daniel, DO, Rothman Orthopaedic Institute
MaCalus V. Hogan, MD, University of Pittsburgh Medical Center
Michael W. Kessler, MD, Medstar Georgetown University Hospital
Joel C. Klena, MD, Geisinger Medical Center
James J. Purtill, MD, Rothman Orthopaedic Institute
Charles J. Ruotolo, MD, Nassau University Medical Center
Michael Suk, MD, JD, MPH, MBA, FACS, Geisinger Health System
Jefferson University Hospital

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

7:00 am – 7:05 am **Morning Agenda**
Anil S. Ranawat, MD, Program Chair

Symposium 4 – Top Hip Approaches

Moderators: Amar S. Ranawat, MD, *Hospital for Special Surgery*
Richard Iorio, MD, *Brigham and Women's Hospital*

7:05 am – 7:12 am Anterior Approach: New Gold Standard
H. John Cooper, MD, Columbia University

7:12 am – 7:19 am Anterolateral: Why Did we Leave it?
James J. Purtill, MD, Rothman Orthopaedic Institute

7:19 am – 7:26 am Posterior Approach: Works for Everyone
Michael P. Bolognesi, MD, Duke University

7:26 am – 7:46 am **50th Anniversary Invited Lectureship:**
What I've Learned in 25 Years About Total Hip Arthroplasty
Thomas P. Sculco, MD, Hospital for Special Surgery

7:46 am – 7:56 am Discussion and Case Presentations

Moderator: Douglas E. Padgett, MD, *Hospital for Special Surgery*

Panel: *Michael P. Bolognesi, MD, Duke University*
Richard Iorio, MD, Brigham and Women's Hospital
James J. Purtill, MD, Rothman Orthopaedic Institute
Amar S. Ranawat, MD, Hospital for Special Surgery
Thomas P. Sculco, MD, Hospital for Special Surgery

Focused Brunch Presentation

7:56 am – 8:26 am Zimmer Biomet
**CME Credit Not Available*

Concurrent Session 5A – Hot Elbow Topics

Moderator: Joshua S. Dines, MD, *Hospital for Special Surgery*

8:26 am – 8:33 am UCL Reconstruction: I Love Docking
Christopher Dodson, MD, Rothman Orthopaedic Institute

8:33 am – 8:40 am Repair with Internal Brace Preserves Anatomy?
Joshua S. Dines, MD, Hospital for Special Surgery

8:40 am – 8:47 am Radial Head Fractures: Fix vs Replace
Leslie A. Barnes, MD, Temple University

- 8:47 am – 8:54 am Lateral Epicondyle Surgery
Luke S. Austin, MD, Rothman Orthopaedic Institute
- 8:54 am – 9:01 am Non-Operative Approaches for Lateral Epicondyle: Ultrasound, PRP, Steroid
Michael W. Kessler, MD, Georgetown Medical Center
- 9:01 am – 9:11 am Discussion

Concurrent Session 5B – Ankle Arthritis: Let the Battle Begin

Moderator: Shepard R. Hurwitz, MD, *University of North Carolina*

- 8:26 am – 8:33 am Ankle Approaches: Front, Back, and Side
David I. Pedowitz, MD, Rothman Orthopaedic Institute
- 8:33 am – 8:40 am The Biological and Mechanical Basis of Ankle Arthritis
Shepard R. Hurwitz, MD, University of North Carolina
- 8:40 am – 8:47 am Fusion is the Way to Go!
Joseph N. Daniel, DO, Rothman Orthopaedic Institute
- 8:47 am – 8:54 am Replace with Fancy Implants!
Selene G. Parekh, MD, MBA, Duke University
- 8:54 am – 9:01 am The Future of Cartilage Repair in the Ankle
Mark C. Drakos, MD, Hospital for Special Surgery
- 9:01 am – 9:11 am Discussion
- 9:13 am – 9:38 am **BREAK – Please Visit Exhibits**

General Session 8 – Award Abstract Presentations

- 9:40 am – 9:45 am **Founders' Award**
99 - The Effect of Implant Design Upon Patient Reported Outcomes: A Prospective Cohort Study
Cynthia A. Kahlenberg, MD, Hospital for Special Surgery
- 9:45 am – 9:50 am **Ranawat Award**
537 - A Randomized Controlled Trial Of Outcomes In Free-Hand Versus Sensor-Guided Balancing In Total Knee Arthroplasty: Results From The Short Term
Nana O. Sarpong, MD, MBA, Columbia University Irving Medical Center
- 9:50 am – 9:55 am **Parvizi Musculoskeletal Infection Award**
569 - Next Generation Sequencing for the Diagnosis of Periprosthetic Knee Infection: A Multicenter Investigation
Karan Goswami, MD, Rothman Institute
- 9:55 am – 10:00 am **Richmond Arthroscopy/Sports Medicine Award**

15 - Results of Hybrid Anterior Cruciate Ligament Reconstruction: A Case Control Study

David Macknet, MD, Atrium Health/Ortho Carolina

10:00 am – 10:05 am

John & Marie Kelly Shoulder Award

558 - Patient Reported Outcomes Following Rotator Cuff Repair in Smokers and Non-Smokers

Charles A Cefalu Jr., MD, Harvard Combined Orthopaedic Residency Program

10:05 am – 10:10 am

Resident Award

418 - Osteoarthritis Promotes Prostate Cancer Metastasis: From Bench to Bedside

Samuel Rosas, MD, Wake Forest School of Medicine

10:10 am – 10:30 am

50th Anniversary Invited Lectureship: What I've Learned in 25 Years About Spine Surgery

James D. Kang, MD, Brigham and Women's Hospital

General Session 9 – Presidential Address

Moderators: Anil S. Ranawat, MD, *Hospital for Special Surgery*

10:30 am – 10:35am

Introduction of Presidential Address

Marc J. Levine, MD, Rothman Orthopaedic Institute

10:35 am – 11:05 am

Presidential Address

John D. Kelly IV, MD, University of Pennsylvania

11:05 am – 11:15 am

Refreshment Break

Symposium 5 – Physician Wellness

Moderator: N. George Kasparian, MD, PhD, *Lahey Clinic*

11:15 am – 11:22 am

Physician Burnout and Stress: Catastrophe or Opportunity?

Richard M. Wilk, MD, Brigham and Women's Hospital

11:22 am – 11:32 am

Discussion and Case Presentations

General Session 10 – Humanitarian Award Presentation

Moderators: Amar S. Ranawat, MD, *Hospital for Special Surgery*

Anil S. Ranawat, MD, *Hospital for Special Surgery*

11:32 am – 11:42 am

Presentation of the Humanitarian Award

Chitranjan S. Ranawat, MD, Hospital for Special Surgery

Focused Lunch Presentation

11:42 am – 12:12 pm

Medtronic

**CME Credit Not Available*

Symposium 6 – Healthcare Economics and ASC

Moderators: Adam J. Rana, MD, *Maine Medical Partners*
Payam Tabrizi, MD, *The Hughston Clinic*

- 12:12 pm – 12:19 pm The Appropriate Use of Physician Extenders and ATs
James T. Guille, MD, Premier Orthopaedics
- 12:19 pm – 12:26 pm Healthcare Economics of Total Hip and Total Knee in 2020
Richard Iorio, MD, Brigham and Women's Hospital
- 12:26 pm – 12:33 pm The Future of ASCs and Outpatient Arthroplasty
Jack M. Bert, MD, St. Joseph's Hospital
- 12:33 pm – 12:40 pm Outpatient Arthroplasty
Adam J. Rana, MD, Maine Medical Partners
- 12:40 pm – 12:50 pm Discussion

Rapid Fire Session 4A – Total Hip

Moderators: TBD

- 12:55 pm - 1:00 pm 92 - Understanding Opioid Use following Total Hip Arthroplasty using a
Mandatory Prescription Monitoring Program
Timothy L. Tan, MD, Rothman Institute
- 1:00 pm - 1:05 pm 168 - Outpatient THA Performed at an ASC vs Hospital Outpatient Setting
Robert A. Sershon, MD, Anderson Orthopaedic Clinic
- 1:05 pm - 1:10 pm **EOA/OREF Resident Travel Grant Award**
157 - Operative Time Greater than 120 minutes is Associated with
Increased Pulmonary and Thromboembolic Complications Following
Revision Total Hip Arthroplasty
Alex Gu, BS, George Washington School of Medicine and Health Sciences
- 1:10 pm - 1:15 pm 754 - Opioids Increase Odds of Venous Thromboembolism Following
Primary Total Hip Arthroplasty
Nipun Sodhi, BA, Holy Cross Hospital
- 1:15 pm - 1:20 pm 98 - Causes of Revision in Young Patients Undergoing Total Hip
Arthroplasty
Cynthia A. Kahlenberg, MD, Hospital for Special Surgery
- 1:20 pm - 1:25 pm Discussion
- 1:25 pm - 1:30 pm 449 - MRI Assessment of Bone Apposition of an Additively Manufactured
Cementless Acetabular Shell
Ivan De Martino, MD, Hospital for Special Surgery
- 1:30 pm - 1:35 pm 296 - The Rising National Burden of Prosthetic Hip Dislocations
Kevin Pirruccio, BA, Perelman School of Medicine at the University of

Pennsylvania

- 1:35 pm - 1:40 pm **Resident Travel Grant Award**
89 - How Much Does a Total Hip Arthroplasty Actually Cost?
Timothy L. Tan, MD, Rothman Institute
- 1:40 pm - 1:45 pm 20 - Outcomes After Conversion of Failed Hemiarthroplasty to Total Hip Arthroplasty
Nana O. Sarpong, MD, MBA, Columbia University Irving Medical Center
- 1:45 pm - 1:50 pm 454 - Dual Mobility THR Have Improved PROM and Reduced Groin Pain vs Fixed Bearing THR
Geoffrey H. Westrich, MD, Hospital for Special Surgery
- 1:50 pm - 1:55 pm 74 - Perioperative Antibiotic Prophylaxis in Total Joint Arthroplasty: A Systematic Review and Meta-Analysis
Ahmed Siddiqi, DO, Philadelphia College of Osteopathic Medicine
- 1:55 pm - 2:00 pm Discussion

Rapid Fire Session 4B– Total Knee

Moderators: TBD

- 12:55 pm - 1:00 pm 106 - Association of Lumbar Degenerative Disease and Revision Rate Following TKA
Alex Gu, BS, George Washington School of Medicine and Health Sciences
- 1:00 pm - 1:05 pm 473 - Value-Based Care Has Not Resulted in Biased Patient Selection: A Single Center's Experience in the CJR Bundle
Sean P. Ryan, MD, Duke University Medical Center
- 1:05 pm - 1:10 pm 159 - Self-Directed Home Exercises vs Outpatient Physical Therapy after Total Knee Arthroplasty: Value and Outcomes following a Protocol Change
William L. Wang, MD, Thomas Jefferson University
- 1:10 pm - 1:15 pm 607 - Failure Rate in Patients with Degenerative Patellofemoral Joint who undergo Unicompartamental Knee Arthroplasty
Harish Kempegowda, MD, Plancher Orthopaedics & Sports Medicine
- 1:15 pm - 1:20 pm 264 - Reasons for Failed Same-Day Discharge Following Primary Total Knee Arthroplasty
Joshua Rozell, MD, The Steadman Clinic
- 1:20 pm - 1:25 pm Discussion
- 1:25 pm - 1:30 pm 177 - Payment Models Should Risk Adjust for Conversion Total knee Arthroplasty
Michael F. Yayac, MD, Rothman Institute
- 1:30 pm - 1:35 pm 611 - Early Outcome of Midlevel Constrained Total Knee Arthroplasty

Douglas Vanderbook, MD, Lenox Hill Hospital

- 1:35 pm - 1:40 pm 565 - Delaying Physical Therapy May Prolong Total Knee Arthroplasty Recovery
Andres F. Duque, MD, MSc, Rothman Orthopaedics
- 1:40 pm - 1:45 pm 517 - Tracking Pain, Opioid and Non-Opioid Consumption through an Electronic Patient Portal
Paraskevi (Vivian) Papas, BS, Lenox Hill Hospital
- 1:45 pm - 1:50 pm 488 - Rheumatoid Arthritis Increases Complications Following Total Knee Arthroplasty
Ajit M. Vakharia, BS, Morehouse School of Medicine
- 1:50 pm - 1:55 pm 231 - Which HCAHPS Domains Score are Best Associated with Pain in Patients Undergoing TKA
Chukwuweike Uchenna Gwam, MD, Wake Forest University
- 1:55 pm - 2:00 pm Discussion

Rapid Fire Session 4C – Sports Medicine

Moderators: TBD

- 12:55 pm - 1:00 pm 363 - Return to Duty After Medial Patellofemoral Ligament Reconstruction in Military Servicemembers
Colleen Moreland, DO, Dwight D. Eisenhower Army Medical Center
- 1:00 pm - 1:05 pm **Resident Travel Grant Award**
189 - Borderline Hip Dysplasia vs Outcomes After Hip Arthroscopy for FAIS
Edward C. Beck, MD, MPH, Rush University Medical Center
- 1:05 pm - 1:10 pm 613 - Lumbosacral Transitional Vertebrae Predicts Poor Surgical Outcome Following Hip Arthroscopy
Braiden Heaps, MD, Hospital for Special Surgery
- 1:10 pm - 1:15 pm 370 - Internal Brace-Augmented Patellar Tendon Repair vs Standard Repair
Heath P. Gould, MD, MedStar Orthopaedic Institute, Union Memorial Hospital
- 1:15 pm - 1:20 pm 390 - Outcomes After Surgical Management of Bipolar Defects in the Knee
Lisa K O'Brien, DO, Wake Forest Baptist Health
- 1:20 pm - 1:25 pm Discussion
- 1:25 pm - 1:30 pm 596 - Prolonged Hospital Stay Following Isolated Posterior Cruciate Ligament Reconstruction
Hasani W. Swindell, MD, New York Presbyterian, Columbia University

- 1:30 pm - 1:35 pm 474 - Subchondroplasty Treatment of Painful Bone Marrow Lesions: 2-Year Intervention Rates
Dennis DeBernardis Jr., DO, Rowan SOM Orthopedic Surgery
- 1:35 pm - 1:40 pm 701 - Operative versus Nonoperative Treatment of Pectoralis Major Tears: A Meta-Analysis
Blake M. Bodendorfe, MD, Georgetown University Medical Center
- 1:40 pm - 1:45 pm 673 - How Long Does It Take to Achieve Clinically Significant Outcome Improvement After Isolated Biceps Tenodesis?
Yining Lu, BA, Rush University Medical Center
- 1:45 pm - 1:50 pm 405 - Use of a Custom Website by Orthopaedic Sports Medicine Surgical Patients: If You Build It, Will They Come?
Sean J. Meredith, MD, University of Pittsburgh
- 1:50 pm - 1:55 pm 512 - Return to School Following Orthopaedic Sports Medicine Procedures: A Prospective Study of Adolescents and Young Adults
Zaira S. Chaudhry, MPH, Rothman Orthopaedic Institute
- 1:55 pm - 2:00 pm Discussion

Rapid Fire Session 4D – Spine

Moderators: TBD

- 12:55 pm - 1:00 pm 329 - Clinical and Economic Outcomes of Liposomal Bupivacaine Infiltration Following Spine Surgery: A Retrospective Study
Christopher J. Mazzei, BS, Morristown Medical Center
- 1:00 pm - 1:05 pm **Resident Travel Grant Award**
724 - Are Health-Related Outcomes of ACDF Influenced by Smoking Status?
John J. Mangan, MD, MHA, Rothman Institute
- 1:05 pm - 1:10 pm 347 - Impact of Preoperative Blood Transfusions on Post-operative Complications in Spinal Surgery
William Probasco, MD, MS, George Washington University
- 1:10 pm - 1:15 pm 699 - Is the Presence of Myelopathy a Predictor for Postoperative Pain Relief Following ACDF?
Justin Stull, MD, Thomas Jefferson University Hospital
- 1:15 pm - 1:20 pm 469 - Minimally-Invasive Posterior Cervical Foraminotomy as an Alternative to ACDF for Cervical Radiculopathy: A Meta-Analysis
Nikhil Sahai, St. Joseph's University Medical Center
- 1:20 pm - 1:25 pm Discussion
- 1:25 pm - 1:30 pm 603 - Physical Therapy Following Elective Spine Surgery Promotes Earlier Return to Home with Cost Savings to Hospital and patient

Zachary Sanford, MD MSc, Anne Arundel Medical Center

- 1:30 pm - 1:35 pm 631 - Complications and Revisions After Spine Surgery in Patients with Skeletal Dysplasia
Karim A Shafi, MD, Hospital for Special Surgery
- 1:35 pm - 1:40 pm 736 - Anterior Column Realignment (ACR) Performed at L2-3 Achieves Suboptimal Lumbo-Pelvic Realignment Compared With L2 Pedicle Subtraction Osteotomy (PSO)
Amanda N. Fletcher, MD, MS, Duke University Medical Center
- 1:40 pm - 1:45 pm 424 - Evaluation of Patient-Controlled Analgesia or Intrathecal Morphine Following Lumbar Spinal Fusion
Robert Dolitsky, MD, Monmouth Medical Center
- 1:45 pm - 1:50 pm 404 - Early Outcomes after Revision Lumbar Spine Surgery Using MIS Techniques
Andre Samuel, MD, Hospital for Special Surgery
- 1:50 pm - 1:55 pm 465 - Does Obesity Affect Long-Term Outcomes of Lateral Lumbar Interbody Fusion?
Stuart Changoor, MD, St. Joseph's University Medical Center
- 1:55 pm - 2:00 pm Discussion

Rapid Fire Session 4E – Shoulder/Elbow

Moderators: TBD

- 12:55 pm - 1:00 pm **Resident Travel Grant Award**
780 - Avoiding Failures and Functional Outcomes in Contact Versus Non-Contact Athletes Following Arthroscopic Bankart Repair
Stephanie D. Petterson, PhD, Plancher Orthopaedics & Sports Medicine
- 1:00 pm - 1:05 pm 566 - Management of Glenoid Bone Loss: Diagnostic Steps and Outcomes After Surgical Correction
Benedict U. Nwachukwu, MD, MBA, Rush University
- 1:05 pm - 1:10 pm 459 - Single Versus Two-Stage Revision for Shoulder Arthroplasty Infections
Alexander Ruditsky, BS, Boston University School of Medicine
- 1:10 pm - 1:15 pm **Resident Travel Grant Award**
771 - Utilization of the Orthopedic Consult for Proximal Humerus Fractures in the Emergency Department
Scott Weiner, DO, Northwell Health
- 1:15 pm - 1:20 pm 73 - Patient Reported Outcomes in Private Practice: 5-Years of QuickDASH Data
Daniel Shubert, MD, WVU School of Medicine

1:20 pm - 1:25 pm	Discussion
1:25 pm - 1:30 pm	730 - Outcomes of aTSA in Patients with Excessive Retroversion: Case-Control Study <i>Paul DeVito, DO, Holy Cross Orthopedic Institute</i>
1:30 pm - 1:35 pm	783 - Correlation Glenoid Classification between Axillary Radiographs and Axial CT Scan <i>Kofi Agyeman, MD, Univ. of Miami / Jackson Memorial Hospital</i>
1:35 pm - 1:40 pm	135 - Effect of Screw Design on Insertional Torque and Compression in the Latarjet Procedure <i>Justin M. Rabinowitz, MD, Medical University of South Carolina</i>
1:40 pm - 1:45 pm	Resident Travel Grant Award 625 - Exploring Penicillin G as an Intra-wound Antibiotic Powder for Prevention of Postoperative Shoulder Infections <i>Nischal S. Nadig, DO, Dwight D. Eisenhower Army Medical Center</i>
1:45 pm - 1:50 pm	741 - Evaluation of PROMIS Pain Interference in Patients Undergoing Shoulder Surgery <i>Vidushan Nadarajah, MD, SUNY Downstate Medical Center</i>
1:50 pm - 1:55 pm	612 - Hematoma Following Shoulder Arthroplasty: Incidence, Management, and Outcomes <i>Benjamin A. Hendy, MD, Thomas Jefferson University</i>
1:55 pm - 2:00 pm	Discussion
2:00 pm – 3:00 pm	Scientific E-Poster Session (Presenters are available to answer questions)
3:00 pm – 4:00 pm	Multimedia Education Session