EOA Scientific Program
October 16-19, 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** *(Gulfstream Rooms 1, 2, 3, 4 & 5)* (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: The Development of Open Surgical Management
Michael S. Kain, MD, Boston Medical Center

7:12 am – 7:19 am Hip Arthroscopy for FAI State-of-the-Art
Bryan T. Kelly, MD, Hospital for Special Surgery

7:19 am – 7:26 am PAO for Dysplasia: Tips and Tricks I've Learned
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 E. Asprinio, MD, Westchester Medical Arts Atrium

7:46 am – 7:56 am Discussion with Case Presentation and ARS Questions
Moderators: John P. Salvo, Jr., MD*, Rothman Orthopaedic Institute*
Richard M. Wilk, MD*, Brigham and Women's Hospital*

Panel: *David E. Asprinio, MD, Westchester Medical Arts Atrium*
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

Benefits and Limitations of Local Anesthetics in Postoperative Pain
Paul Lachiewicz, MD
**CME Credit Not Available*

Concurrent Session 1A – Partial Rotator Cuff Tears: Let the Battle Begin *(Mediterranean Ballroom)*
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 Repair *Joshua A. Baumfeld, MD, Lahey Clinic*
8:42 am – 8:49 am	Debridement is All You Need and Don't Forget about the Scapula *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	Superior Capsular Reconstruction: Is the Hype Real? *Tony S. Wanich, MD, High Mountain Orthopedics*
9:03 am – 9:13 am	Discussion **Panel:** *Joshua S. Hornstein, MD, Rothman Orthopaedic Institute* *Joshua A. Baumfeld, MD, Lahey Clinic* *Mark J. Lemos, MD, Lahey Hospital and Medical Center* *Louis F. McIntyre, MD, Northwell Health* *Tony S. Wanich, MD, High Mountain Orthopedics* *Brian J. Sennett, MD, University of Pennsylvania*

Concurrent Session 1B – Total Knee *(Magnolia Room)*
Moderators: Michael P. Bolognesi, MD, *Duke University*
Neil P. Sheth, MD, *University of Pennsylvania*

8:28 am – 8:35 am	Total Knee for Dummies: The Five Most Important Things that Should be Done *Neil P. Sheth, MD, University of Pennsylvania*
8:35 am – 8:42 am	How to Use Modern Technology with Total Knee: Navigation to Robotics *James D. Slover, MD, MS, New York University*
8:42 am – 8:49 am	Infection: From Basics to Expert *Javad Parvizi, MD, FRCS, Rothman Orthopaedic Institute*
8:49 am – 8:56 am	Post-Op Pain for Total Knee *Geoffrey H. Westrich, MD, Hospital for Special Surgery*
8:56 am – 9:03 am	Non-Cemented Revision Knee: Tips and Tricks *Amar S. Ranawat, MD, Hospital for Special Surgery*

9:03 am – 9:13 am Discussion
Panel: *Neil P. Sheth, MD, University of Pennsylvania*
James D. Slover, MD, MS, New York University
Javad Parvizi, MD, FRCS, Rothman Orthopaedic Institute
Geoffrey H. Westrich, MD, Hospital for Special Surgery
Amar S. Ranawat, MD, Hospital for Special Surgery

9:13 am – 9:33 am **BREAK – Please Visit Exhibits** *(Venetian Ballroom)*

General Session 1 – BOC, OREF, ABOS and AAOS Updates
Moderators: Anil S. Ranawat, MD, *Hospital for Special Surgery*
Javad Parvizi, MD, FRCS, *Rothman Orthopaedic Institute*

9:33 am –9:40 am BOC Update
Henry A. Backe Jr., MD, Netter School of Medicine, Quinnipiac University, Yale-New Haven Health System

9:40 am –9:47 am OREF Update
Michael L. Parks, MD, Hospital for Special Surgery

9:47 am –9:54 am ABOS Update
Douglas W. Lundy, MD, MBA, ABOS President, Resurgens Orthopaedics

9:54 am –10:06 am AAOS Update
Kristy L. Weber, MD, FACS, AAOS President, University of Pennsylvania

Rapid Fire Session 1A – Sports Medicine *(Gulfstream Room 1)*
Moderators: Thomas D. Meade, MD, *Coordinated Health*
John P. Salvo, Jr., MD, *Rothman Orthopaedic Institute*

10:09 am - 10:14 am 311 - Rotatory Knee Laxity Exists on a Continuum in ACL Injury
Jayson Lian, MD, University of Pittsburgh Medical Center

10:14 am - 10:19 am 103 - Return to Sport after BTB vs. Hamstring ACL Reconstruction: A Systematic Review
Matthew W. DeFazio, BS, Boston University School of Medicine
**Presented by Michael J. Gustin, BS*

10:19 am - 10:24 am 136 - Clinical Outcomes following Arthroscopic Shoulder Superior Capsular Reconstruction
Justin M. Chan, BA, Hospital for Special Surgery/Duke University School of Medicine

10:24 am - 10:32 am Discussion

10:32 am - 10:37 am 691 - All-Inside Anterior Cruciate Ligament Reconstruction using Dual Cortical Suspensory Fixation: Two-Year Outcomes
Daniel B Haber, MD, Massachusetts General Hospital
**Presented by Peter Ostergaard, MD*

10:37 am - 10:42 am — 645 - Prescription Count and Education on Opioid Utilization following ACL Reconstruction
Kevin X. Farley, BS, Emory University School of Medicine
**Presented by Rebecca M. Haley, MD*

10:42 am - 10:47 am — 398 - The MLIK: When is Primary Repair an Option?
Harmen D. Vermeijden, BSc, Hospital for Special Surgery
**Presented by Gregory S. DiFelice, MD*

10:47 am - 10:55 am — Discussion

Rapid Fire Session 1B – Basic Science *(Gulfstream Room 2)*
Moderators: Sommer Hammoud, MD, *Rothman Orthopaedic Institute*
Young-Jo Kim, MD, PhD, *Boston Children's Hospital*

10:09 am - 10:14 am — 302 - Is a Severe Dupuytren's Disease Phenotype Associated with the Proinflammatory State?
Lauren E Banner, BS, Rothman Orthopedics
**Presented by Mark L. Wang, MD, PhD*

10:14 am - 10:19 am — 428 - The Microbiome of Osteoarthritic Hip and Knee Joint: A Prospective Multicenter Investigation
Karan Goswami, MD, MRCS, Rothman Institute of Orthopaedics

10:19 am - 10:24 am — 490 - Promoting Healing in Segmental Defects through Ectopic Induced Membrane
John A. Ruder, MD, Atrium Health Musculoskeletal Institute

10:24 am - 10:32 am — Discussion

10:32 am - 10:37 am — 151 - Suture Material Influence on the Biomechanical Behavior of Suture-Meniscal Specimens
John R Matthews, BS, MD, University of Buffalo

10:37 am - 10:42 am — 463 - The Effect of Topical Vancomycin on Diabetic Fracture Healing
Yazan Kadkoy, MS, Rutgers New Jersey Medical School

10:42 am - 10:47 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

10:47 am - 10:55 am — Discussion

Rapid Fire Session 1C – Trauma *(Gulfstream Room 3)*
Moderators: David E. Asprinio, MD, *Westchester Medical Arts Atrium*
Payam Tabrizi, MD, *The Hughston Clinic*

10:09 am - 10:14 am — 504 - Pre-Operative Echocardiogram in Hip Fracture Patients: Are We Hindering Care?

Adam Boissonneault, MB, BCh, BAO, Emory University

10:14 am - 10:19 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
**Presented by Charles Moon, MD*

10:19 am - 10:24 am — 716 - Retrograde Intramedullary Screw Fixation for Distal Fibula Fractures
Megan L. Jimenez, DO, Inspira Health Network
**Presented by Mohamed Albana, MD*

10:24 am - 10:32 am — Discussion

10:32 am - 10:37 am — 399 - Economic Effects of Overlapping Trauma Surgery on a Healthcare System
Samuel Rosas, MD, Wake Forest School of Medicine

10:37bam - 10:42 am — 262 - Comparing C-Arm vs. O-Arm in Placement of Transiliac-Transsacral Screws
Suman Medda, MD, Wake Forest Baptist Medical Center

10:42 am - 10:47 am — **EOA/OREF Resident Travel Grant Award**
70 - Infections Associated with Temporary External Fixation
Mohamed Salar, MD, University of Florida Health Jacksonville

10:47 am - 10:55 am — Discussion

Rapid Fire Session 1D – Total Hip (Anterior Robotics) *(Gulfstream Room 4)*
Moderators: H. John Cooper, MD, *Columbia University*
James D. Slover, MD, MS, *New York University*

10:09 am - 10:14 am — 788 – Direct Anterior Total Hip Arthroplasty, Significantly Lower Rates of Deep Venous Thrombosis and Pulmonary Embolism
Ali Oliashirazi, MD, Cooper University Hospital
**Presented by Alisina Shahi, MD, PhD*

10:14 am - 10:19 am — 125 - Enhanced Acetabular Exposure with Self-Retaining Retractors during Anterior Hip Arthroplasty
Brian P. Gladnick, MD, W.B. Carrell Memorial Clinic

10:19 am - 10:24 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
**Presented by Siddharth Mahure, MD*

10:24 am - 10:32 am — Discussion

10:32 am - 10:37 am — 710 - Accuracy of Imageless 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

10:37 am - 10:42 am — 436 - Augmented Reality Improves Acetabular Component Placement in Anterior THA Simulation
Alexander E. Loeb, MD, Johns Hopkins University

10:42 am - 10:47 am — 48 - Anterior Revision Total Hip Arthroplasty is Associated with Decreased Postoperative Instability Compared to Posterior Revision Surgery
Gregory Kurkis, MD, Emory University
**Presented by Kevin X. Farley, BS*

10:47 am - 10:55am — Discussion

Rapid Fire Session 1E – Shoulder/Upper Extremity (Reverse Shoulder) *(Gulfstream Room 5)*
Moderators: Joshua A. Baumfeld, MD, *Lahey Clinic*
Kevin D. Plancher, MD, MPH, *Albert Einstein College of Medicine*

10:09 am - 10:14 am — 642 - Evidence-Based Thresholds for Hospital Volume in Reverse Shoulder Arthroplasty
Kevin X. Farley, BS, Emory University School of Medicine

10:14 am - 10:19 am — 440 - Tuberosity Repair vs. Excision for Proximal Humerus Fractures Treated with RTSA
Hariharan Iyer, MD, Stony Brook University

10:19 am - 10:24 am — 423 - Total Shoulder Arthroplasty Incidence is Rapidly Increasing: Projections to 2025
Jacob M. Wilson, MD, Emory University
**Presented by Kevin X. Farley, BS*

10:24 am - 10:32 am — Discussion

10:32 am - 10:37 am — **NJOS Travel Grant Award**
352 - Reverse Shoulder Arthroplasty Survival Analysis in Patients Younger than 55
James F. Stenson Jr., DO, Rowan University School of Osteopathic Medicine

10:37 am - 10:42 am — 235 - Patient Satisfaction after Reverse Total Shoulder Arthroplasty
Ryan C. Rauck, MD, Hospital for Special Surgery

10:42 am - 10:47 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

10:47 am - 10:56 am — Discussion

10:56 am – 11:16 am — **BREAK – Please Visit Exhibits** *(Venetian Ballroom)*

General Session 2 – Award Abstract Presentations

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

11:16 am – 11:21 am	**Michael P. Ast, MD Donor Grant** 387 - Joint-Venture Partnership Provides Higher-Quality Lower-Cost Arthroplasty Care *Alexander J. Rondon, MD, MBA, Rothman Institute*
11:21 am – 11:26 am	**Henry A. Backe Jr., MD Donor Grant** 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 Beredjiklian, MD, Rothman Orthopedic Institute*
11:26 am – 11:31 am	**Scott & Mary Boden Donor Grant** 80 - A Multimodal Postoperative Pain Protocol Reduces Pain in Lumbar Fusions *Michael P. Markowitz, DO, Rothman Institute*
11:31 am – 11:36 am	**Thomas R. Bowen, MD Donor Grant** 661 - Risk Factors for CJR Cost Excess after Total Ankle Arthroplasty *Daniel E. Goltz, MD, MBA, Duke University*
11:36 am – 11:41 am	**James T. Guille, MD Donor Grant** 200 - BMI Predicts Operative Time and Concurrent Pathology at the Time of Adolescent ACL Reconstruction *Sophia A. Traven, MD, Medical University of South Carolina*
11:41 am – 11:46 am	**John D. Kelly IV, MD Donor Grant** 40 - Closed Tibial Plateau Fractures: Predictors of Infection following Internal Fixation *Rebecca D. Chase, DO, Philadelphia College of Osteopathic Medicine*
11:46 am – 12:06 pm	**50th Anniversary Invited Lectureship: What I've Learned in 25 Years About Osteosarcoma** *John H. Healey, MD, FACS, Hospital for Special Surgery*

Focused Lunch Presentation

12:06 pm – 12:36 pm	Johnson & Johnson Medical Device Companies Cutting Edge Surgical Solutions and Advanced Technologies in the Treatment of Rotator Cuff Disease: A Case-Based Experience for Managing the Patient, Pathophysiology and Pain *Bradford Tucker MD* **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	Tribute to Howard Steel

Theodore L. Stringer, MD, Colorado Springs Orthopaedic Group

12:41 pm – 12:46 pm Introduction of Howard Steel Lecture
John D. Kelly IV, MD, University of Pennsylvania

12:46 pm – 1:16 pm Tackling Life
Kevin Reilly, Philadelphia, PA

General Session 4 – Round Table Discussion
Moderator: Marney Reid, *Surgical Care Affiliates*

1:20 pm – 2:10 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

2:10 pm – 2:30 pm **BREAK – Please Visit Exhibits** *(Venetian Ballroom)*

Concurrent Session 2A – Foot, Ankle and Trauma *(Mediterranean Ballroom)*
Moderators: Shepard R. Hurwitz, MD, *University of North Carolina*
David S. Wellman, MD, *Westchester Medical Center*

2:30 pm – 2:37 pm My Favorite Foot and Ankle Procedures and the One I Prefer to Pass On
Judith F. Baumhauer, MD, MPH, University of Rochester

2:37 pm – 2:44 pm Foot and Ankle Injuries in Athletes: The Five Diagnoses You Can't Miss
Sameh (Sam) A. Labib, MD, Emory Sports Medicine Center

2:44 pm – 2:50 pm Talus and Pilon Fractures: What the Non-Trauma Podologists Need to Know
David E. Asprinio, MD, Westchester Medical Arts Atrium

2:50 pm – 2:57 pm Tibial Plateau Fractures State-of-the-Art
David S. Wellman, MD, Westchester Medical Center

2:57 pm – 3:04 pm Ankle Fracture Management State-of-the-Art
Shepard R. Hurwitz, MD, University of North Carolina

3:04 pm – 3:11 pm Discussion

Concurrent Session 2B – Hand/Wrist *(Magnolia Room)*
Moderators: Henry A. Backe Jr., MD, *Netter School of Medicine, Quinnipiac University, Yale-New Haven Health System*
Marc J. Richard, MD, *Duke University Medical Center*

2:30 pm – 2:37 pm Avoiding Pitfalls and Complications of Distal Radius Open Reduction Internal Fixation
Mark S. Rekant, MD, Philadelphia Hand to Shoulder Center

2:37 pm – 2:44 pm Pearls and Tricks of Diagnosing Common Hand Injuries

Robert H. Wilson, MD, Howard University College of Medicine

2:44 pm – 2:50 pm Skier's Thumb: Everything You Need to Know
Henry A. Backe Jr., MD, Netter School of Medicine, Quinnipiac University, Yale-New Haven Health System

2:50 pm – 2:57 pm Soft Tissue Cartilage around the Hand
Daniel A. Osei, MD, MSc, Hospital for Special Surgery

2:57 pm – 3:04 pm Scaphoid Fractures: Everything You Need to Know
Marc J. Richard, MD, Duke University Medical Center

3:04 pm – 3:11 pm Discussion

Concurrent Session 3A – Shoulder 101: How and When I Do it *(Mediterranean Ballroom)*
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*

3:11 pm – 3:17 pm Shoulder Instability Surgery: How to Stay Out of Trouble!
Sommer Hammoud, MD, Rothman Orthopaedic Institute

3:17 pm – 3:23 pm Rotator Cuff Repair: How and When I Do it
Mark J. Lemos, MD, Lahey Hospital and Medical Center

3:23 pm – 3:29 pm ORIF: How and When I Do it
David S. Wellman, MD, Westchester Medical Center

3:29 pm – 3:35 pm Reverse: How and When I Do it
Joshua A. Baumfeld, MD, Lahey Clinic

3:35 pm – 3:41 pm Why are We Doing Too Many Reverses?
Brian J. Sennett, MD, University of Pennsylvania

3:41 pm – 3:46 pm Discussion

Concurrent Session 3B – Orthobiologics and Orthopaedic Science *(Magnolia Room)*
Moderators: Stephen J. Nicholas, MD, *Lenox Hill Hospital*
Kevin D. Plancher, MD, MPH, *Albert Einstein College of Medicine*

3:11 pm – 3:18 pm Ultrasound and In-Office Arthroscopy: How Do I Use it in the Clinic?
Kevin D. Plancher, MD, MPH, Albert Einstein College of Medicine

3:18 pm – 3:25 pm PRP and ICBG: Basic Science and Clinical Applications
Stephen J. Nicholas, MD, Lenox Hill Hospital

3:25 pm – 3:32 pm Amniotic Cells and Fat Cells: Basic Science of New Orthobiologics
Laith M. Jazrawi, MD, New York University Langone Medical Center

3:32 pm – 3:39 pm Clinical Applications of Stem Cells in Orthopedics

Vishal Saxena, MD, Temple University

3:39 pm – 3:46 pm Discussion

Symposium 2 – Knee Preservation
Moderators: Brian J. Sennett, MD, *University of Pennsylvania*
Steven B. Cohen, MD, *Rothman Orthopaedic Institute*

3:49 pm – 3:55 pm Subchondral Edema: Why it Matters
Steven B. Cohen, MD, Rothman Orthopaedic Institute

3:55 pm – 4:01 pm Osteotomy
Anil S. Ranawat, MD, Hospital for Special Surgery

4:01 pm – 4:07 pm Isolated Cartilage Procedures
Christian Lattermann, MD, Brigham and Women's Hospital

4:07 pm – 4:13 pm Meniscal Repair, Scaffolds and Allografts
R. Frank Henn III, MD, University of Maryland

4:13 pm – 4:19 pm Unis: My Experience
Michael J. Kaplan, MD, St. Mary's Hospital

4:19 pm – 4:27 pm Discussion with Case Presentation and ARS Questions
Panel: *Steven B. Cohen, MD, Rothman Orthopaedic Institute*
R. Frank Henn III, MD, University of Maryland
Christian Lattermann, MD, Brigham and Women's Hospital
Anil S. Ranawat, MD, Hospital for Special Surgery
Brian J. Sennett, MD, University of Pennsylvania
Michael J. Kaplan, MD, St. Mary's Hospital
Vishal Saxena, MD, Temple University

Rapid Fire Session 2A – Health Economics and Policy *(Gulfstream Room 1)*
Moderators: Cynthia L. Emory, MD, MBA, *Wake Forest University*
Ray A. Moyer, MD, *Temple University*

4:30 pm - 4:35 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

4:35 pm - 4:40 pm 772 - Cost-Effectiveness of Treating HCV Prior to THA
Afshin A Anoushiravani, MD, Albany Medical Center

4:40 pm - 4:45 pm 77 - Concern for Resident Wellness on Orthopaedic Fracture Rotations
Adam S. Driesman, MD, NYU Langone Health

4:45 pm - 4:50 pm Discussion

4:50 pm - 4:55 pm 670 - Effect of Disposable Perioperative Jackets on Surgical Site Infections

Erik J. Stapleton, MS, DO, Northwell Health

4:55 pm - 5:00 pm — 356 - Competence Measures for ACGME Meniscus Milestone: Arthroscopic Video Cadaveric Assessment
Alexander E. Loeb, MD, Johns Hopkins University

5:00 pm - 5:05 pm — 606 - Comparison of Payment Margins between BPCI and CJR Show Marked Reduction for Successful Program
Jonathan A. Gabor, BS, NYU Langone Health
**Presented by James D. Slover, MD,MS*

5:05 pm - 5:10 pm — 211 - The Top 100 Social Media Influencers in Orthopaedic Surgery
Nathan H Varady, SB, Harvard Medical School/Massachusetts General Hospital
**Presented by Itai Gans, MD*

5:10 pm - 5:15 pm — Discussion

Rapid Fire Session 2B – Elbow *(Gulfstream Room 2)*
Moderators: Henry A. Backe Jr., MD*, Netter School of Medicine, Quinnipiac University, Yale-New Haven Health System*
Daniel A. Osei, MD, MSc, *Hospital for Special Surgery*

4:30 pm - 4:35 pm — 104 - Stabilization of the Unstable Elbow using Internal Dynamic Fixation
William A. Marshall, MD, Greenville Health System

4:35 pm - 4:40 pm — 709 - Implications of Obesity on Surgical Management of Terrible Triad Injuries
Eliana Saltzman, MD, Duke University Medical Center

4:40 pm - 4:45 pm — 263 - Elbow Contracture following Operative Fixation of Fractures about the Elbow
Lauren Elisabeth Wessel, MD, Hospital for Special Surgery

4:45 pm - 4:50 pm — Discussion

4:50 pm - 4:55 pm — 146 - The Tritomic Approach: A Triceps Sparing Approach for Total Elbow Arthroplasty
Hannah L. Smith, BS, Mercer University School of Medicine

4:55 pm - 5:00 pm — 494 - Classification of Ulnar Nerve Subluxation with Endoscopic Cubital Tunnel Release
Ather A. Mirza, MD, Mirza Orthopedics

5:00 pm - 5:05 pm — 145 - Return to Work After Distal Biceps Tendon Repair
John M. Reynolds, MD, Temple University Hospital

5:05 pm - 5:10 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

5:10 pm - 5:15 pm Discussion

Rapid Fire Session 2C – Foot/Ankle *(Gulfstream Room 3)*
Moderators: Judith F. Baumhauer, MD, MPH, *University of Rochester*
David S. Wellman, MD, *Westchester Medical Center*

4:30 pm - 4:35 pm 238 - Management of Chronic Exertional Compartment Syndrome and Return to Sport
John J. Mangan, MD, MHA, Rothman Institute

4:35 pm - 4:40 pm 115 - Impact of Socioeconomic Status on PASS in Foot and Ankle Patients
David N. Bernstein, MBA, MA, University of Rochester School of Medicine & Dentistry

4:40 pm - 4:45 pm 649 - A New Technique for Intramedullary Screw Fixation of Fifth Metatarsal Fractures
Andrew M. Schwartz, MD, Emory University Orthopaedics and Spine Hospital
**Presented by Sameh (Sam) A. Labib, MD*

4:45 pm - 4:50 pm Discussion

4:50 pm - 4:55 pm 669 - Surgeon Specialty and Ankle Fracture Fixation: Does Focus Affect Outcome?
Charlotte N. Shields, BS, NYU Langone Orthopedic Hospital
**Presented by Erin A. Kelly, BA, MS*

4:55 pm - 5:00 pm 84 - Early Outcomes following Dorsal Denervation of the Midfoot for Management of Chronic Pain
Glenn G. Shi, MD, Mayo Clinic, Jacksonville

5:00 pm - 5:05 pm 354 - Complications Associated with Total Ankle Arthroplasty vs. Ankle Arthrodesis
William Probasco, MD, MS, George Washington University

5:05 pm - 5:10 pm 629 - Management of Acute Achilles Tendon Ruptures: Survey of Military Surgeons
Nischal S. Nadig, DO, Dwight D. Eisenhower Army Medical Center

5:10 pm - 5:15 pm Discussion

Rapid Fire Session 2D – Total Knee *(Gulfstream Room 4)*
Moderators: Michael P. Ast, MD, *Hospital for Special Surgery*
Arjun Saxena, MD, *Rothman Orthopaedic Institute*

4:30 pm - 4:35 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

4:35 pm - 4:40 pm	624 - Why Patients Choose Robotic Total Knee Arthroplasty: A Prospective, Randomized Analysis *Jennifer Kurowicki, MD, St. Joseph's Regional Medical Center* **Presented by Samuel J. Mease, MD*
4:40 pm - 4:45 pm	367 - Learning Curve for Active Robotic Total Knee Arthroplasty *Siddharth A. Mahure, MD, MBA, NYU Hospital for Joint Diseases*
4:45 pm - 4:50 pm	Discussion
4:50 pm - 4:55 pm	580 - Continuous Adductor Canal Block and Periarticular Injection in TKA *Evan Green, DO, Northwell Health Plainview Hospital*
4:55 pm - 5:00 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* **Presented by Amar S. Ranawat, MD*
5:00 pm - 5:05 pm	38 - Cement Mantle Not Affected by Tourniquetless TKA Using Tranexamic Acid *Carl L. Herndon, MD, Columbia University*
5:05 pm - 5:10 pm	517 - Tracking Pain, Opioid and Non-Opioid Consumption through an Electronic Patient Portal *Sarah Ulcoq, MOT, OTR/L, Lenox Hill Hospital*
5:10 pm - 5:15 pm	Discussion

Rapid Fire Session 2E – Pediatrics *(Gulfstream Room 5)*
Moderators: Benjamin A. Alman, MD, *Duke University*
Sheila A. Conway, MD, *University of Miami*

4:30 pm - 4:35 pm	427 - MRI Quantification of Meniscus Vascularity in Pediatric vs. Adult Knees *Kenneth M. Lin, MD, Hospital for Special Surgery*
4:35 pm - 4:40 pm	431 - Motion is Independent of Sagittal Plane Alignment Post Supracondylar Fracture *Rachel S. Silverstein, MD, MBS, Westchester Medical Center*
4:40 pm - 4:45 pm	325 - Advanced Imaging of Pediatric Radial Nerve Anatomy for Intra-Operative Use *Max M. Cornell, BS, Geisinger*
4:45 pm - 4:50 pm	Discussion
4:50 pm - 4:55 pm	360 - Risk of Reoperation after Primary ACL Reconstruction in Pediatric Patients *Jordan Nester, MD, Geisinger Health System*

4:55 pm - 5:00 pm	71 - Expanding Practice Boundaries: Delivery of Fracture Care Using Telemedicine in Pediatric Orthopaedics *Mark Seeley, MD, Geisinger Health Systems*
5:00 pm - 5:05 pm	59 - A Two-Surgeon Approach Improves Performance for Young Surgeons in Adolescent Idiopathic Scoliosis *William P. Bassett, MD, Rutgers University*
5:05 pm - 5:10 pm	633 - Malnutrition May Predict Length of Hospital Stay and Postoperative Complications following Posterior Spinal Fusion for Neuromuscular Scoliosis: A Matched Cohort Analysis *Alejandro Marquez-Lara, MD, Wake Forest University*
5:10 pm - 5:15 pm	Discussion
5:15 pm – 6:00 pm	**Scientific E-Poster Session** *(Gulfstream Rooms 1, 2, 3, 4 & 5)* (Presenters are available to answer questions)
6:00 pm – 6:45 pm	**Multimedia Education Session** *(South Foyer Registration Counter)*

Friday, October 18

6:00 am – 7:00 am	**Scientific E-Poster Session** *(Gulfstream Rooms 1, 2, 3, 4 & 5)* (Presenters are available to answer questions.)
7:00 am – 7:05 am	**Morning Agenda** *Anil S. Ranawat, MD, Program Chair*

Symposium 3 – ACL: Past, Present, Future
Moderators: Joshua S. Hornstein, MD, *Rothman Orthopaedic Institute*
Nicholas A. Sgaglione, MD, *North Shore Long Island Jewish Medical Center*

7:05 am – 7:12 am	Does ACL Surgery Cause or Prevent Arthritis? *Robert G. Marx, MD, MSc, MRCSC, Hospital for Special Surgery*
7:12 am – 7:19 am	Can an ACL Heal, and How? *Gregory S. DiFelice, MD, Hospital for Special Surgery*
7:19 am – 7:26 am	Graft Choice: Why it Still is Debated *John W. Xerogeanes, MD, Emory University*
7:26 am – 7:46 am	**50th Anniversary Invited Lectureship:** **What I've Learned in 25 Years about Treating ACL Tears** *John D. Kelly IV, MD, University of Pennsylvania*
7:46 am – 7:56 am	Discussion with Case Presentation and ARS Questions **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
Joshua S. Hornstein, MD, Rothman Orthopaedic Institute
Nicholas A. Sgaglione, MD, North Shore Long Island Jewish Medical Center

Focused Brunch Presentation

7:56 am – 8:26 am — ConvaTec
Highlights from the Consensus Guidelines for Infection in Orthopedics
Wound Management
Giles Scuderi, MD
Peter Sharkey, MD
**CME Credit Not Available*

Concurrent Session 4A – Spine: Hot Topics *(Mediterranean Ballroom)*
Moderators: Theresa J. C. Pazionis, MD, *Temple University*
Marc J. Levine, MD, *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?
Louis F. Amorosa, 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
Panel: *Scott D. Boden, MD, Emory University*
Louis F. Amorosa, MD, Columbia University
Christopher K. Kepler, MD, MBA, Rothman Orthopaedic Institute
Marc J. Levine, MD, Rothman Orthopaedic Institute
Andrew H. Milby, MD, University of Pennsylvania
Theresa J. C. Pazionis, MD, Temple University

Concurrent Session 4B – Surgical Education and Resident Education *(Magnolia Room)*
Moderators: Joseph Benevenia, MD, *Rutgers, New 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, New 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	Big Data in Resident Education *Mark Seeley MD, 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, New 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* *Mark Seeley MD, Geisinger Health System*
9:11 am – 9:31 am	**BREAK – Please Visit Exhibits** *(Venetian Ballroom)*

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 Grant** 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	**Marc J. Levine, MD Donor Grant** 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*
9:43 am – 9:48 am	**Kevin D. Plancher, MD, MPH Donor Grant** 462 - Two Attending Surgeons Improve Outcomes of Single Level ACDFs *Conor Dunn, MD, St. Joseph's University Medical Center*
9:48 am – 9:53 am	**Amar S. Ranawat, MD Donor Grant** 33 - The Effect of Pre-Operative Anemia on Complications Following Total Hip Arthroplasty *Matthew J. Grosso, MD, Columbia University Medical Center*
9:53 am – 9:58 am	**Anil S. Ranawat, MD Donor Grant** 346 - Arthroscopy vs. Open Arthrotomy for Treatment of Septic Knee Arthritis: A Systematic Review and Meta-Analysis

Ilda B. Molloy, MD, Dartmouth-Hitchcock Medical Center

9:58 am – 10:03 am **Geoffrey H. Westrich, MD Donor Grant**
32 – Intra-Operative Ketamine during TKA: A Prospective Randomized Trial
Janet H. Rhee, BS, Rothman Institute

10:03 am – 10:08 am **Resident/Fellow Paper Award**
39 - Utilizing Electrospun Fibers to Optimize Local Protein Delivery Using PMMA
Ryan Hoffman, MD, Albert Einstein Medical Center

10:08 am – 10:28 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

10:28 am – 10:48 am **BREAK – Please Visit Exhibits** *(Venetian Ballroom)*

General Session 6 – Presidential Guest Speaker
Moderator: John D. Kelly IV, MD, *University of Pennsylvania*

10:48 am –10:53 am Introduction of Presidential Guest Speaker
John D. Kelly IV, MD, University of Pennsylvania

10:53 am –11:23 am The Value of Teamwork: The Principles of Upper Extremity Allotransplantation
L. Scott Levin, MD, FACS, University of Pennsylvania

Focused Lunch Presentation

11:23 am – 11:53 am Flexion Therapeutics
Localized Treatment for Osteoarthritis Knee Pain with a Novel Intra-Articular Formulation
Scott A. Sigman, MD
**CME Credit Not Available*

General Session 7 – New Jersey Orthopedic Society Distinguished Lecturer and Resident Guest Program
President: Francis G. Alberta, MD, *New Jersey Orthopedic Society*
Moderators: J. Milo Sewards, MD, *Temple University*
Ray A. Moyer, MD, *Temple University*

11:53 am –12:00 pm Cartilage Update Around Knee: 360-Degree Approach
Anthony J. Scillia, MD, Seton Hall University

12:00 pm –12:07 pm What Temple has Done for Orthopedics
Eric J. Kropf, MD, Temple University

12:07 pm – 12:14 pm **Resident Guest Program Award: Temple University**
160 - Infection Rates with Management of Tibia Fractures from Firearm

Injuries
Alexander Johnson, MD, Temple University Hospital

12:14 pm – 12:29 pm Discussion

Rapid Fire Session 3A – Hip Preservation State-of-the-Art *(Gulfstream Room 1)*
Moderators: John P. Salvo, Jr., MD*, Rothman Orthopaedic Institute*
Young-Jo Kim, MD, PhD*, Boston Children's Hospital*

12:34 pm -12:39 pm 270 - Arthroscopic Management of the Crossover Sign as a Function of Acetabular Coverage: Does Dysplasia Change Things?
Dominic S. Carreira, MD, Peachtree Orthopedics
**Presented by John P. Salvo, MD*

12:39 pm -12:44 pm 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
**Presented by Jacob Shapira, MD*

12:44 pm -12:49 pm **NJOS Travel Grant Award**
496 - Outcomes following Endoscopic Proximal Hamstring Repair
Thomas Novack, MD, St. Joseph's Regional Medical Center
**Presented by Jennifer Kurowicki, MD*

12:49 pm -12:54 pm Discussion

12:54 pm -12:59 pm 221 - Do Larger Acetabular Chondral Defects Portend Inferior Outcomes in Patients Undergoing Arthroscopic Acetabular Microfracture?
Benjamin G. Domb, MD, American Hip Institute
**Presented by Jacob Shapira, MD*

12:59 pm - 1:04 pm 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
**Presented by Jacob Shapira, MD*

1:04 pm - 1:09 pm 218 - Minimum Five-Year Outcomes of Endoscopic Gluteus Medius Repair with Concomitant Arthroscopic Treatment for Labral Tears
Itay Perets, MD, American Hip Institute
**Presented by Jacob Shapira, MD*

1:09 pm - 1:14 pm 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
**Presented by Jacob Shapira, MD*

1:14 pm - 1:19 pm Discussion

Rapid Fire Session 3B – Hand/Wrist *(Gulfstream Room 2)*
Moderators: John D. Lubahn, MD, *Hand, Microsurgery & Reconstructive Orthopaedics, LLP*
Joel C. Klena, MD, *Geisinger Medical Center*

12:34 pm -12:39 pm	86 - Safety, Duration of Low-Dose Adjuvant Dexamethasone in Regional Anesthesia *Julian A. Zangrilli, DO, Rowan School of Medicine* **Presented by Nura Y. Gouda, BS*
12:39 pm -12:44 pm	600 - Effectiveness of Quickast vs. Prefabricated Splint Immobilization for the Treatment of Mallet Fingers: A Randomized Blinded Clinical Trial *Michael Rivlin, MD, Rothman Institute*
12:44 pm -12:49 pm	450 - Optimal Position of Suture Button Suspensionplasty for Basal Joint Arthritis *Bryan Hozack, MD, Rothman Institute at Thomas Jefferson University Hospital*
12:49 pm -12:54 pm	Discussion
12:54 pm -12:59 pm	**NJOS Travel Grant Award** 268 - Corticosteroid Injections Increase the Infection Risk for Trigger Finger Surgery *Cory M. Lebowitz, BS, DO, Rowan University School of Osteopathic Medicine*
12:59 pm - 1:04 pm	698 - A Reliability Study of Multi-View Radiographs Evaluating SNAC Wrist Arthritis *Eliana Saltzman, MD, Duke University Medical Center* **Presented by Elizabeth P. Wahl, MD*
1:04 pm - 1:09 pm	**Resident Travel Grant Award** 173 - Minimal Tendon Injury with Percutaneous Retrograde Metacarpal Screw Placement *Tara E. Gaston, DO, Rowan School of Medicine*
1:09 pm - 1:14 pm	**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*
1:14 pm -1:19 pm	Discussion

Rapid Fire Session 3C – Total Joint *(Gulfstream Room 3)*
Moderators: Amar S. Ranawat, MD, *Hospital for Special Surgery*
Arjun Saxena, MD, *Rothman Orthopaedic Institute*

12:34 pm -12:39 pm	658 - A Comprehensive Tool Predicts Discharge Location after Total Joint Arthroplasty *Daniel E. Goltz, MD, MBA, Duke University*

12:39 pm -12:44 pm	306 - Perioperative Work Burden of Total Joint Arthroplasty Has Increased *Amy Wasterlain, MD, Rothman Orthopaedics* **Presented by P. Maxwell Courtney, MD*
12:44 pm -12:49 pm	785 - Total Hip and Knee Arthroplasty Can Save Lungs *Alisina Shahi, MD, PhD, Cooper University Hospital*
12:49 pm -12:54 pm	Discussion
12:54 pm -12:59 pm	210 – Pre-Operative Oral Hydration is Safe in Rapid Recovery THA *Andrew D. Posner, MD, Albany Medical Center* **Presented by Afshin A. Anoushiravani, MD*
12:59 pm - 1:04 pm	790 - Synovial Absolute Neutrophil Count Can Be Used for Diagnosis of Periprosthetic Joint Infection *Usama Saleh, MD, Cooper University Hospital* **Presented by Alisina Shahi, MD, PhD*
1:04 pm - 1:09 pm	380 - How Much Does a Total Knee Arthroplasty Actually Cost? *Alexander J. Rondon, MD, MBA, Rothman Institute* **Presented by Keenan Sobol, BS*
1:09 pm - 1:14 pm	300 - At what Cutoff Value Does Albumin Best Predict Poor TJA Outcomes? *Collin S. Black, MS3, Duke University Medical Center*
1:14 pm -1:19 pm	Discussion

Rapid Fire Session 3D – Trauma *(Gulfstream Room 4)*
Moderators: Lisa K. Cannada, MD, *Jacksonville, FL*
David S. Wellman, MD, *Westchester Medical Center*

12:34 pm -12:39 pm	601 - Treating Comminuted Distal Femur Fractures: ORIF vs. Arthroplasty *Michael R. Boniello, MD, MSc, Cooper Bone and Joint Institute*
12:39 pm -12:44 pm	223 - Intramedullary-Nailing vs. 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*
12:44 pm -12:49 pm	369 - Effects of Dual-Plating on Distal Femur Vascularity: Quantitative MRI Analysis *Naomi E. Gadinsky, MD, Hospital for Special Surgery*
12:49 pm -12:54 pm	Discussion
12:54 pm -12:59 pm	520 - Should We Rely on DEXA Scanning to Predict Fragility Fracture? *Erin A Kelly, BA, MS, NYU Langone Orthopedic Hospital*

12:59 pm - 1:04 pm	770 - Immediate Weightbearing after Internal Fixation of Unstable Ankle Fractures *Brianna R. Fram, MD, Rothman Institute of Orthopedics and Thomas Jefferson University Hospitals*
1:04 pm - 1:09 pm	416 - The Potential of Metagenomic DNA Sequencing for Pathogen Identification in Orthopaedic Nonunion *Gerard Chang, MD, Rothman Institute of Orthopaedics* **Presented by Taylor Paziuk, MD*
1:09 pm - 1:14 pm	141 - Outcomes of Fracture Dislocation of Tibial Plateau Fractures *Matthew R. Widner, MD, Penn State Orthopaedics*
1:14 pm -1:19 pm	Discussion

Rapid Fire Session 3E – Tumor *(Gulfstream Room 5)*
Moderators: Sheila A. Conway, MD, *University of Miami*
Cynthia L. Emory, MD, MBA, *Wake Forest School of Medicine*

12:34 pm -12:39 pm	671 - "Boost Effect": Can We Expose Metastatic Patients to Less Radiation? *Sandra A. Miskiel, MD, Cooper Bone & Joint Institute at Cooper University Hospital*
12:39 pm -12:44 pm	704 - Impact of Limb Salvage vs. Amputation on Overall Survival in Patients with Osteosarcoma of the Extremities *Daniel Evans, MSc, Duke University* **Presented by Alexander L. Lazarides, MD*
12:44 pm -12:49 pm	290 - The Downstream Revenue Impact of a Dedicated Orthopaedic Oncologist *Zeke Walton, MD, Medical University of South Carolina* **Presented by Sophia A. Traven, MD*
12:49 pm -12:54 pm	Discussion
12:54 pm -12:59 pm	205 - Risk Factors for Metastatic Disease at Presentation with Chondrosarcoma *Sophia A. Traven, MD, Medical University of South Carolina*
12:59 pm - 1:04 pm	116 - Effect of Radiotherapy on Invasiveness and Outcomes in Soft Tissue Sarcomas *Courtney Toombs, MD, Yale New Haven Hospital*
1:04 pm - 1:09 pm	532 - Treatment of Metastatic Disease at the Femur: Does Primary Histology Impact Outcomes? *Jennifer E. Thomson, BS, Rutgers New Jersey Medical School*
1:09 pm - 1:14 pm	782 - Survival Analysis of Skeletal Metastasis from Extremity Soft-Tissue Sarcomas

Spencer H. Summers, MD, Jackson Memorial Hospital/University of Miami Health System

1:14 pm -1:19 pm Discussion

Eastern Orthopaedic Association 50th Annual Meeting Resident Program *(Magnolia Room)*
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*
Mark Seeley, MD, *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
Moderator: Marney Reid, Surgical Care Affiliates
Neil P. Sheth, MD, Hospital of the University of Pennsylvania
Cynthia L. Emory, MD, MBA, Wake Forest School of Medicine
Michael P. Ast, MD, Hospital for Special Surgery

2:05 pm – 2:20 pm High-Yield Hand and Wrist
Daniel A. Osei, MD, MSc, Hospital for Special Surgery

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. Pazionis, MD, Temple University

3:05 pm – 3:15 pm **REFRESHMENT BREAK**

3:15 pm – 3:30 pm Introduction to Employment Contracts
Moderator: Marney Reid, Surgical Care Affiliates
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 and Basic Science
Sheila A. Conway, MD, University of Miami

4:30 pm – 5:30 pm — SCA Sponsored Business and Networking Event

4:30 pm – 5:00 pm — **Scientific E-Poster Session** *(Gulfstream Rooms 1, 2, 3, 4 & 5)* (Presenters are available to answer questions)

5:00 pm – 5:30 pm — **Multimedia Education Session** *(South Foyer Registration Counter)*

Saturday, October 19

6:00 am – 6:45 am — **Scientific E-Poster Session** *(Gulfstream Rooms 1, 2, 3, 4 & 5)* (Presenters are available to answer questions)

Chairmen and Program Directors' Challenges of Residency in Orthopaedics (by invitation only)
(Gulfstream Rooms 3 & 4)
Moderator: Scott D. Boden, MD, *Emory University*

6:30 am – 8:00 am — Panel Discussion

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

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 with Case Presentation and ARS Questions
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
Douglas E. Padgett, MD, Hospital for Special Surgery

Focused Brunch Presentation

7:56 am – 8:26 am — Zimmer Biomet
Driving Efficiency and Improving Patient Outcomes: A Partnership-based Approach
Mr. Ivan Tornos
**CME Credit Not Available*

Concurrent Session 5A – Hot Elbow Topics *(Mediterranean Ballroom)*
Moderators: Christopher C. Dodson, MD, *Rothman Orthopaedic Institute*
George Paletta, MD, *The Orthopedic Center of St. Louis*

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

8:33 am – 8:40 am — Repair with Internal Brace Preserves Anatomy?
George Paletta, MD, The Orthopedic Center of St. Louis

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 State-of-the-Art
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 *(Magnolia Room)*
Moderators: Shepard R. Hurwitz, MD, *University of North Carolina*
Sameh (Sam) A. Labib, MD, *Emory Sports Medicine Center*

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

General Session 8 – Award Abstract Presentations
Moderators: Anil S. Ranawat, MD, *Hospital for Special Surgery*

9:15 am – 9:20 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

9:20 am – 9:25 am **Ranawat Award**
537 - A Randomized Controlled Trial of Outcomes in Free-Hand vs. Sensor-Guided Balancing in Total Knee Arthroplasty: Results from the Short Term
Nana O. Sarpong, MD, MBA, Columbia University Irving Medical Center

9:25 am – 9:30 am **Parvizi Musculoskeletal Infection Award**
569 - Next Generation Sequencing for the Diagnosis of Periprosthetic Knee Infection: A Multicenter Investigation
Karan Goswami, MD, Rothman Institute

9:30 am – 9:35 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

9:35 am – 9:40 am **John D. & Marie S. 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

9:40 am – 9:45 am **Resident/Fellow Paper Award**
418 - Osteoarthritis Promotes Prostate Cancer Metastasis: From Bench to Bedside
Samuel Rosas, MD, Wake Forest School of Medicine

9:45 am – 10:05 am **50th Anniversary Invited Lectureship: What I've Learned in 25 Years about Spine Surgery**
James D. Kang, MD, Brigham and Women's Hospital

10:05 am – 10:30 am **BREAK – Please Visit Exhibits** *(Venetian Ballroom)*

General Session 9 – Presidential Address
Moderators: Anil S. Ranawat, MD, *Hospital for Special Surgery*

10:35 am – 10:40 am Introduction of Presidential Address
Marc J. Levine, MD, Rothman Orthopaedic Institute

10:40 am – 11:10 am Presidential Address
Life, Love and the EOA
John D. Kelly IV, MD, University of Pennsylvania

Symposium 5 – Physician Wellness - We Have to Talk About It
Moderators: Duretti T. Fufa, MD, *Hospital for Special Surgery*
N. George Kasparyan, MD, PhD, *Lahey Clinic*

11:10 am – 11:17 am Physician Burnout and Stress: Catastrophe or Opportunity?
Richard M. Wilk, MD, Brigham and Women's Hospital

11:17 am – 11:32 am Discussion with Case Presentation and ARS Questions
Panel: *Richard M. Wilk, MD, Brigham and Women's Hospital*
Marc J. Levine, MD, Rothman Orthopaedic Institute
Scott D. Boden, MD, Emory University
James D. Kang, MD, Brigham and Women's Hospital
Douglas E. Padgett, MD, Hospital for Special Surgery
N. George Kasparyan, MD, PhD, Lahey Clinic
Duretti T. Fufa, MD, Hospital for Special Surgery

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
Transitioning to TQLess TKA
Steven Atchison, MD
**CME Credit Not Available*

Symposium 6 – Healthcare Economics and ASC - The Future is Now
Moderators: Adam J. Rana, MD, *Maine Medical Partners*
Payam Tabrizi, MD, *The Hughston Clinic*

12:12 pm – 12:19 pm The Risks and Benefits of Off-Label Use of Orthopaedic Products
Payam Tabrizi, MD, The Hughston Clinic

12:19 pm – 12:26 pm ASCs – Fact or Fiction
William R. Beach, MD, Tuckahoe Orthopaedic Associates

12:26 pm – 12:33 pm Healthcare Economics of Total Hip and Total Knee in 2020
Richard Iorio, MD, Brigham and Women's Hospital

12:33 pm – 12:40 pm Outpatient Arthroplasty – Is it for Real?
Adam J. Rana, MD, Maine Medical Partners

12:40 pm – 12:50 pm Discussion

Rapid Fire Session 4A – Total Hip *(Gulfstream Room 1)*
Moderators: Michael P. Bolognesi, MD, *Duke University*
Adam J. Rana, MD, *Maine Medical Partners*

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
**Presented by Zachary T. Wilt, MD*

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 727 - Aseptic Loosening of Porous Metaphyseal Sleeves and Tantalum Cones in Revision Total Knee Arthroplasty: A Systematic Review
Andrew J. Clair, MD, NYU Langone Orthopedic 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* **Presented by Salvador Forte, DO*
1:55 pm - 2:00 pm	Discussion

Rapid Fire Session 4B – Spine *(Gulfstream Room 2)*
Moderators: Christopher K. Kepler, MD, MBA*, Rothman Orthopaedic Institute*
Andrew H. Milby, MD*, University of Pennsylvania*

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* **Presented by Jay N. Patel, MD*
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 Pre-Operative 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	464 - Complications of Anticoagulation Therapy in Patients with Cervical Fractures *Charles Long, MD, St. Joseph's University Medical Center* **Presented by Conor Dunn, MD*
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* **Presented by Justin Turcotte, MBA*
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*

**Presented by Sean P. Ryan, MD*

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 4C – Sports Medicine *(Gulfstream Room 3)*
Moderators: John D. Kelly IV, MD, *University of Pennsylvania*
Ray A. Moyer, MD, *Temple University*

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
**Presented by CPT Joshua Hattaway, DO*

1:00 pm - 1:05 pm — **Resident Travel Grant Award**
189 - Borderline Hip Dysplasia vs. Outcomes after Hip Arthroscopy for FAIS
Timothy C. Keating, MD, 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 — **NJOS Travel Grant Award**

	474 - Subchondroplasty Treatment of Painful Bone Marrow Lesions: Two-Year Intervention Rates *Dennis DeBernardis Jr., DO, Rowan SOM Orthopedic Surgery*
1:35 pm - 1:40 pm	701 - Operative vs. Nonoperative Treatment of Pectoralis Major Tears: A Meta-Analysis *Blake M. Bodendorfer, MD, Georgetown University Medical Center*
1:40 pm - 1:45 pm	226 - Validation of a Hip Arthroscopy Simulator Using the ASSET *Daniel Hurwit, MD, Hospital for Special Surgery*
1:45 pm - 1:50 pm	Wants to move to an Earlier Day 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* **Presented by Somnath Rao, BA*
1:55 pm - 2:00 pm	Discussion

Rapid Fire Session 4D – Total Knee *(Magnolia Room)*
Moderators: Thomas D. Meade, MD, *Coordinated Health*
Arjun Saxena, MD, *Rothman Orthopaedic Institute*

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* **Presented by Michael-Alexander Malahias, MD*
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 Unicompartmental 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* **Presented by James D. Spratt, MS, MD*
1:20 pm - 1:25 pm	Discussion

1:25 pm - 1:30 pm	177 - Payment Models Should Risk Adjust for Conversion Total nee Arthroplasty *Michael F. Yayac, MD, Rothman Institute*
1:30 pm - 1:35 pm	611 - Early Outcome of Midlevel Constrained Total Knee Arthroplasty *Douglas Vanderbrook, 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	498 - Novel Phone App for TKA Patients *Mary T. Bayers-Thering, MS, MBA, Kaleida Health/UBMD Orthopaedics and Sports Medicine*
1:45 pm - 1:50 pm	67 - Reduced Opioid Prescription Requirements following UKA Compared to TKA *Irene L. Kalbian, BA, Sidney Kimmel Medical College*
1:50 pm - 1:55 pm	231 - Which HCAHPS Domains Score are Best Associated with Pain in Patients Undergoing TKA? *Chukwuweike U. Gwam, MD, Wake Forest University*
1:55 pm - 2:00 pm	Discussion

Rapid Fire Session 4E – Shoulder/Elbow *(Gulfstream Room 5)*
Moderators: Leslie A. Barnes, MD*, Temple University*
Michael W. Kessler, MD*, Georgetown Medical Center*

12:55 pm - 1:00 pm	**Resident Travel Grant Award** 780 - Avoiding Failures and Functional Outcomes in Contact vs. Non-Contact Athletes following Arthroscopic Bankart Repair *Harish Kempegowda, MD, Plancher Orthopaedics & Sports Medicine*
1:00 pm - 1:05 pm	403 - Smoking is Associated with Increased Surgical Complications following Total Shoulder Arthroplasty *Alyssa D Althoff, BS, Medical University of South Carolina* **Presented by Sophia A. Traven, MD*
1:05 pm - 1:10 pm	459 - Single vs. 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 *Zachary Aberman, MD, Northwell Health*
1:15 pm - 1:20 pm	73 – Patient-Reported Outcomes in Private Practice: Five-Years of QuickDASH Data

Daniel Shubert, MD, WVU School of Medicine
**Presented by Sarah B. Shubert MD*

1:20 pm - 1:25 pm — Discussion

1:25 pm - 1:30 pm — 730 - Outcomes of a TSA in Patients with Excessive Retroversion: Case-Control Study
Paul DeVito, DO, Holy Cross Orthopedic Institute
**Presented by Andrew Ardeljan, BS*

1:30 pm - 1:35 pm — 783 - Correlation Glenoid Classification between Axillary Radiographs and Axial CT Scan
Kofi Agyeman, MD, University of Miami / Jackson Memorial Hospital

1:35 pm - 1:40 pm — 135 - Effect of Screw Design on Insertional Torque and Compression in the Latarjet Procedure
Justin M. Rabinowitz, MD, Medical University of South Carolina

1:40 pm - 1:45 pm — **Resident Travel Grant Award**
625 - Exploring Penicillin G as an Intrawound Antibiotic Powder for Prevention of Postoperative Shoulder Infections
Nischal S. Nadig, DO, Dwight D. Eisenhower Army Medical Center

1:45 pm - 1:50 pm — 741 - Evaluation of PROMIS Pain Interference in Patients Undergoing Shoulder Surgery
Vidushan Nadarajah, MD, SUNY Downstate Medical Center

1:50 pm - 1:55 pm — 612 - Hematoma following Shoulder Arthroplasty: Incidence, Management, and Outcomes
Benjamin A. Hendy, MD, Thomas Jefferson University
**Presented by Timothy L. Tan, MD*

1:55 pm - 2:00 pm — Discussion

Industry Presentation - 3M Medical Solutions Workshop *(Gulfstream Room 4)*

2:00 pm – 3:00 pm — Fight SSIs From Every Angle: Strategies to Help Reduce the Risk of Surgical Site Infections
Mark J. Scott, MBA
Trey Hampshire, MBA
**CME Credit Not Available*

3:00 pm – 4:00 pm — **Scientific E-Poster Session** *(Gulfstream Rooms 1, 2, 3, 4 & 5)* (Presenters are available to answer questions)

4:00 pm – 5:00 pm — **Multimedia Education Session** *(South Foyer Registration Counter)*