

**EOA Scientific Program**  
**October 17-20, 2018**  
**Omni Amelia Island, Amelia Island, FL**  
**Magnolia Ballroom E, F & G**  
**(Presenters and times are subject to change.)**

**Thursday, October 18**

6:00 am – 6:30 am      **Scientific E-Poster Session** (*Talbot A, Talbot B, Ossabaw A, Ossabaw B, Conference 2, Conference 3*)  
(Presenters are available to answer questions.)

6:30 am – 6:45 am      **First Business Meeting**

6:45 am – 6:50 am      **Welcome, Introduction of Program and Announcements**  
*Javad Parvizi, MD, FRCS, President*  
*Kevin D. Plancher, MD, MPH, Program Chair*

**Concurrent Symposium 1A – Controversies in Total Hip and Knee Arthroplasty**

**Moderators:** **Chitranjan S. Ranawat, MD, Hospital for Special Surgery**  
*Giles R. Scuderi, MD, Northwell Orthopedic Institute*

6:50 am – 6:58 am      Why Do Controversies Exist in Orthopaedics?  
*Javad Parvizi, MD, FRCS, Rothman Institute at Thomas Jefferson University Hospital*

6:58 am – 7:06 am      Outpatient Total Hip Replacement is Here Today  
*Michael B. Cross, MD, Hospital for Special Surgery*

7:06 am – 7:14 am      Blood Loss Management: A Myriad of Options  
*Jose Rodriguez, MD, Hospital for Special Surgery*

7:14 am – 7:29 am      Discussion & Case Presentations: Stump the Experts  
**Moderator:** *Giles R. Scuderi, MD, Northwell Orthopedic Institute*

**Panel:** *Friedrich Boettner, MD, Hospital for Special Surgery*  
*Michael P. Bolognesi, MD, Duke University Medical Center*  
*Michael B. Cross, MD, Hospital for Special Surgery*  
*Riyaz H. Jinnah, MD, FRCS, Wake Forest School of Medicine*  
*Javad Parvizi, MD, FRCS, Rothman Institute at Thomas Jefferson University Hospital*  
*Jose Rodriguez, MD, Hospital for Special Surgery*  
*Geoffrey H. Westrich, MD, Hospital for Special Surgery*

**Concurrent Symposium 1B – Controversies in Foot and Ankle Surgery (Cumberland Ballroom A)**

**Moderator:** *James A. Nunley II, MD, Duke University Medical Center*

6:50 am – 6:58 am      Operative Management of Stress Fractures of the Lower Extremity in Professional Athletes

*Martin J. O'Malley, MD, Weill Cornell Medical College*

- 6:58 am – 7:06 am      Orthopaedic Foot Surgery from Good to Great  
*Shepard R. Hurwitz, MD, University of North Carolina Orthopaedics*
- 7:06 am – 7:14 am      Ankle Arthritis: Arthrodesis versus Total Ankle Replacement is the Way to Go  
*James A. Nunley II, MD, Duke University Medical Center*
- 7:14 am – 7:29 am      Discussion & Case Presentations: Solving Common Problems with Interactive Cases
- Panel:** *Shepard R. Hurwitz, MD, University of North Carolina Orthopaedics*  
*Sameh (Sam) A. Labib, MD, Emory Sports Medicine Center*  
*Stuart D. Miller, MD, Medstar Union Memorial Hospital*  
*Martin J. O'Malley, MD, Weill Cornell Medical College*

7:29 am – 8:04 am      **Focused Brunch Presentation**

**Session 1 – Debate – Battle of the Titans: The Massive Rotator Cuff Tear**

**Moderator:** Kevin D. Plancher, MD, MPH, *Albert Einstein College of Medicine*

- 8:04 am – 8:11 am      **Pro:** Fix the Anatomy, Let Me Show You Results, Stay Away from Metal  
*John D. Kelly IV, MD, University of Pennsylvania*
- 8:11 am – 8:18 am      **Con:** Time to Get Back to Work and Activities – The Reverse Shoulder Arthroplasty  
*Joseph A. Abboud, MD, Rothman Institute at Thomas Jefferson University Hospital*
- 8:18 am – 8:28 am      Rebuttal/Discussion
- 8:28 am- 8:48 am      **BREAK – Please Visit Exhibits**

**Session 2 – Award Abstract Presentations**

**Moderators:** Michael P. Ast, MD, *Hospital for Special Surgery*  
Friedrich Boettner, MD, *Hospital for Special Surgery*  
Geoffrey H. Westrich, MD, *Hospital for Special Surgery*

- 8:48 am – 8:53 am      **Founder's Award**  
A Prospective Randomized Study Evaluating the Effect of Perioperative NSAIDs on Opioid Consumption and Pain Management After Ankle Fracture Surgery  
*Elizabeth McDonald, BA, Rothman Institute at Thomas Jefferson University Hospital*
- 8:53 am – 8:58 am      **Ranawat Award**  
The Effects of Partial Meniscectomy Versus Meniscal Repair on Time to Unicompartimental and Total Knee Arthroplasty

*Jennifer Kurowicki, MD, Seton Hall University School of Health and Medical Sciences*

- 8:58 am – 9:08 am Discussion
- 9:08 am – 9:13 am **Resident/Fellow Award**  
A Prospective Evaluation of Opioid Consumption Following Orthopaedic F&A Surgery  
*Sundeep Saini, DO, RowanSOM Orthopedic Surgery Residency Program*
- 9:13 am – 9:18 am **Travel Grant Funding Provided by Henry A. Backe Jr., MD**  
Bacterial Colonization of Surgical Loupes Worn by Orthopaedic Surgeons  
*Jack Graham, BS, Sidney Kimmel Medical College at Thomas Jefferson University*
- 9:18 am – 9:23 am **Travel Grant Funding Provided by Scott & Mary Boden**  
Cervical Spinal Stenosis with Coexisting Rotator Cuff Tear: A Nationwide Review of Records from 2005 to 2014  
*Conor Dunn, MD, Seton Hall University School of Health and Medical Sciences*
- 9:23 am – 9:28 am **Travel Grant Funding Provided by J. Richard Bowen, MD**  
J-Splint Use for Definitive Management of Pediatric Femur Fractures  
*Jamie Grossman, MD, New York University Langone Orthopedic Hospital*
- 9:28 am – 9:33 am **Travel Grant Funding Provided by James T. Guille, MD**  
Impact of Race on Vitamin D-Deficiency in Adolescent Idiopathic Scoliosis  
*Robert Palmer, MD, Nemours Childrens Specialty Care*
- 9:33 am – 9:38 am **Travel Grant Funding Provided by John D. Kelly IV, MD**  
Return to Athletic Play after Surgery in Adolescent Idiopathic Scoliosis  
*Courtney Toombs, MD, Yale New Haven Hospital*
- 9:38 am – 9:48 am Discussion
- 9:48 am – 9:58 am **Invited Guest Lecturer**  
What Advocacy Has Done to Help Orthopaedics/AAHKS & Why You Should Care  
*Richard Iorio, MD, Brigham Health, Brigham and Women's Hospital*

**Rapid Fire Session 1A – Sports Medicine (Talbot A)**

**Moderators:** Gregory S. DiFelice, MD, *Hospital for Special Surgery*

Spero Karas, MD, *Emory Sports Medicine*

Patrick W. Kwok, MD, *Orthopaedic Specialty Group*

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

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

- 9:58 am – 10:02 am Higher BMI is Associated with Additional Surgery in the Setting of ACL Reconstruction  
*Sophia Traven, MD, Medical University of South Carolina*

- 10:02 am – 10:06 am Reliability of Preoperative MRI Prediction of Hamstring ACL Autograft Size  
*Andrew Hanna, MS, Virginia Tech Carilion School of Medicine*
- 10:06 am – 10:10 am **EOA/OREF Resident Travel Grant Award**  
Release of Tibialis Posterior Muscle Osseofascial Sheath for Exertional Compartment Syndrome  
*Adam Boissonneault, MD, Emory University*  
*\*Presented by Taylor Bellamy, MD*
- 10:10 am – 10:18 am Discussion
- 10:18 am – 10:22 am **Resident Travel Grant Award**  
Prospective Evaluation of Glenoid Bone Loss after Anterior Glenohumeral Instability  
*Sean Slaven, MD, Walter Reed National Military Medical Center*
- 10:22 am – 10:26 am Chondral Delamination of Fresh Osteochondral Allograft in the Knee  
*Ryan Rauck, MD, Hospital for Special Surgery*
- 10:26 am – 10:30 am **Resident Travel Grant Award**  
Thigh Tourniquet Effect on Popliteal Artery Spatial Anatomy  
*Justen Elbayar, MD, Stony Brook University Hospital*
- 10:30 am – 10:38 am Discussion
- Rapid Fire Session 1B – Total Knee (Talbot B)**  
**Moderators:** Michael B. Cross, MD, *Hospital for Special Surgery*  
Richard Iorio, MD, *Brigham Health, Brigham and Women's Hospital*  
Edward J. McPherson, MD, FACS, *LA Orthopedic Institute*  
Giles R. Scuderi, MD, *Northwell Orthopedic Institute*  
Neil P. Sheth, MD, *Hospital of the University of Pennsylvania*
- 9:58 am – 10:02 am Risk Adjustment for Episode-of-Care Costs Following TJA: Costs of Comorbidities  
*Yale Fillingham, MD, Rothman Institute at Thomas Jefferson University Hospital*
- 10:02 am – 10:06 am Safety Criteria for Short Stay after Total Joint Replacement  
*Morteza Meftah, MD, Bronx Lebanon Hospital Center*  
*\*Presented by Peter White, BA*
- 10:06 am – 10:10 am Post TKR Home Physiotherapy for a Period of 6 Weeks Reduces the Rate of Post TKR Manipulation under Anesthesia (MUA) Rate  
*Sanjay Londhe, MS, FRCS, FRCSI, MCh (Orth), Holy Spirit Hospita*
- 10:10 am – 10:18 am Discussion
- 10:18 am – 10:22 am Patient Satisfaction in Academic versus Community Hospitals Following

Joint Arthroplasty

*Cierra Hong, BA, Duke University School of Medicine*

10:22 am – 10:26 am

Implant Selection Errors in Total Joint Arthroplasty

*Michael P. Ast, MD, Hospital for Special Surgery*

10:26 am – 10:30 am

The Incidence and Effects of Diabetes and Prediabetes in Total Joint Arthroplasty

*John Grady-Benson, MD, Saint Francis Hospital & Medical Center*

*\*Presented by Michael Cremins, PhD, PA-C*

10:30 am – 10:38 am

Discussion

**Rapid Fire Session 1C – Pediatrics (Ossabaw A)**

**Moderators:** J. Richard Bowen, MD, *Alfred I. duPont Hospital for Children (Nemours Foundation)*

James T. Guille, MD, *Premier Orthopaedics, Brandywine Institute of Orthopaedics Division*

9:58 am – 10:02 am

Early versus Late-In-The-Day Admissions Impact Outcomes in Pediatric Patients with Osteomyelitis

*David Mai, MD, MPH, New York University Langone Orthopedic Hospital*

*\*Presented by Alice Chu, MD*

10:02 am – 10:06 am

Intelligent Use, not Abuse of Radiology in Infantile Non-Accidental Trauma

*John Handelsman, MD, FRCS, MCh.Orth, New York University Langone Orthopedic Hospital*

10:06 am – 10:10 am

National Trends in Orthopaedic Surgery Resident Pediatric Case Logs

*Todd Pierce, MD, Seton Hall University School of Health and Medical Sciences*

*\*Presented by Jennifer Kurowicki, MD*

10:10 am – 10:18 am

Discussion

10:18 am – 10:22 am

Impact of Pediatric Subspecialty Training on Complications in AIS Surgery

*Nicholas Yohe, MD, Maimonides Medical Center*

10:22 am – 10:26 am

Epiphyseal-Entry Cannulated Screws for Temporary Guided Growth of Knees

*Kevin Neal, MD, Nemours Childrens Specialty Care*

10:26 am – 10:30 am

Improving Resident Education through Unstable Chicken Hips

*Matthew Geswell, MD, Geisinger Medical Center*

10:30 am – 10:38 am

Discussion

**Rapid Fire Session 1D – Upper Extremity (Ossabaw B)**

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

Brian J. Galinat, MD, MBA, *Christiana Care Health System*

Peter M. Murray, MD, *Mayo Clinic*

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

- 9:58 am – 10:02 am      Continued Inpatient Care after Primary Total Shoulder Arthroplasty  
*John Apostolakos, MD, MPH, Hospital for Special Surgery*
- 10:02 am – 10:06 am      Microbial Colonization of Subscapularis Tagging Sutures in Shoulder Arthroplasty  
*Ryan Roach, MD, MS, New York University Langone Orthopedic Hospital*  
*\*Presented by Mandeep Virk, MD*
- 10:06 am – 10:10 am      **Resident Travel Grant Award**  
Five-Year Rate of Conversion from Rotator Cuff Repair to Reverse Total Shoulder Arthroplasty  
*Evan O'Donnell, MD, Hospital for Special Surgery*
- 10:10 am – 10:18 am      Discussion
- 10:18 am – 10:22 am      Arthroscopic versus Open Rotator Cuff Repair: Evaluation of ABOS Database  
*Blane Kelly, MD, Virginia Commonwealth University*
- 10:22 am – 10:26 am      **EOA/OREF Resident Travel Grant Award**  
Return to Sport after SLAP Repair vs. Biceps Tenodesis: A Systematic Review  
*Matthew W. DeFazio, BS, Boston University School of Medicine*
- 10:26 am – 10:30 am      Opioid Induced Constipation after Rotator Cuff Repair: Randomized Prospective Study  
*Danielle Weekes, MD, Rothman Institute, Egg Harbor Township*
- 10:30 am – 10:38 am      Discussion

**Rapid Fire Session 1E – Spine (Conference 2)**

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

Marc J. Levine, MD, *Rothman Institute at Thomas Jefferson University Hospital*

E. Anthony Rankin, MD, *Providence Hospital*

Vladimir A. Sinkov, MD, *New Hampshire Orthopaedic Society*

- 9:58 am – 10:02 am      **EOA/OREF Resident Travel Grant Award**  
Culture Patterns in Aseptic Revision Spine Surgery  
*Michael Steinhaus, MD, Hospital for Special Surgery*
- 10:02 am – 10:06 am      Factors Influencing Successful Medical Management of Infection Following Lumbar Surgery  
*Christopher Lucasti, BS, Rothman Institute, Egg Harbor Township*
- 10:06 am – 10:10 am      The 5-item Modified Frailty Index is Predictive of 30-day Postoperative Complications in Patients Undergoing Kyphoplasty Vertebral Augmentation

*Dale Segal, MD, Emory University*

- 10:10 am – 10:18 am Discussion
- 10:18 am – 10:22 am Comparing Complications after Adult Spinal Deformity Surgery between Patients Based on Opioid Dependency Pre- and Postoperatively  
*Bassel G. Diebo, MD, State University of New York*
- 10:22 am – 10:26 am Surgical Management of Fractures in Ankylosing Spondylitis  
*Etka Kurucan, BA, University of Rochester School of Medicine & Dentistry*
- 10:26 am – 10:30 am A Comparison of Transverse Pedicle Angles between Ethnic Groups  
*Robert Stockton, DO, Plainview Hospital*
- 10:30 am – 10:38 am Discussion

**Rapid Fire Session 1F – Wrist, Elbow & Shoulder (Conference 3)**

**Moderators:** Glenn A. Barden, MD, *Lakeland, FL*  
Harris Gellman, MD, *University of Miami*  
Charles P. Melone, MD, *Mount Sinai Beth Israel*  
Bruce A. Monaghan, MD, *Advanced Orthopaedics Centers*  
Mark S. Rekant, MD, *Philadelphia Hand to Shoulder Center*

- 9:58 am – 10:02 am Mid-Term Results of Anatomic Total Shoulder Arthroplasty with a Third-Generation Implant  
*Jonathan Levy, MD, Holy Cross Hospital*  
*\*Presented by Paul DeVito, DO*
- 10:02 am – 10:06 am Impact of Wrist Fracture on Major League Baseball Players' Performance  
*Pradip Ramamurti, BS, George Washington University*
- 10:06 am – 10:10 am Nerve Allograft Decellularization and Oxidation  
*Daniel Lara, MD, Wake Forest Baptist Medical Center*
- 10:10 am – 10:18 am Discussion
- 10:18 am – 10:22 am Reducing Cost by Using a Smaller Tray in Hand Surgery  
*Philip Kirn, MD, PharmD, Medical University of South Carolina*
- 10:22 am – 10:26 am Identifying Appropriate Candidates for Outpatient Shoulder Arthroplasty: A Validated Selection Algorithm  
*Matthew N. Fournier, MD, University of Tennessee*
- 10:26 am – 10:30 am Trends in Peripheral Nerve Blocks in Shoulder Arthroscopy  
*Abhinav Sharma, BS, David Geffen School of Medicine at UCLA*
- 10:30 am – 10:38 am Discussion
- 10:38 am – 10:58 am ***BREAK – Please Visit Exhibits***

### **Session 3 – ABOS Update, AAOS Town Meeting**

**Moderator:** Kevin D. Plancher, MD, MPH, *Albert Einstein College of Medicine*  
Thomas E. Arend, Jr., Esq., CAE, *Chief Executive Officer of AAOS*

- 10:58 am– 11:05 am            ABOS Update  
*Peter M. Murray, MD, President ABOS, Mayo Clinic*  
*David F. Martin, MD, Executive Director, ABOS, Wake Forest University*
- 11:05 am –11:25 am            Feature Presentation: AAOS Town Meeting  
Partnership Summit, Education 2.0 Planning, AAOS Governance & MOC  
*David A. Halsey, MD, AAOS President, Martha's Vineyard Orthopaedics*

### **Session 4 – Presidential Guest Speaker**

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

- 11:25 am – 11:30 am            Introduction of Presidential Guest Speaker  
*Javad Parvizi, MD, FRCS, Rothman Institute at Thomas Jefferson University Hospital*
- 11:30 am – 12:15 pm            Lessons Learned in 40 Years of Practice  
*Richard H. Rothman, MD, PhD, Rothman Institute at Thomas Jefferson University Hospital*
- 12:15 pm – 12:45 pm            **Advances in Orthopaedics Presentation**
- 12:45 pm – 1:15 pm             **Focused Lunch Presentation**

### **Rapid Fire Session 2A – Sports Medicine (Talbot A)**

**Moderators:** Andreas H. Gomoll, MD, *Hospital for Special Surgery*  
John P. McConnell, MD, *Georgetown University*  
Stephen J. Nicholas, MD, *Lenox Hill Hospital*

- 1:15 pm – 1:19 pm            Shoulder Surgery Practice Variation in a Single, Multispecialty Group  
*Joshua Baumfeld, MD, Lahey Hospital & Medical Center*
- 1:19 pm – 1:23 pm            Contract Structure Predicts RTP Following ACL Reconstruction in Professional Athletes  
*Patrick Buckely, MD, Rothman Institute at Thomas Jefferson University Hospital*
- 1:23 pm – 1:27 pm            Epidemiology of Multiligamentous Knee Injury at an Urban Level I Trauma Center  
*Cameron Egan, BS, Boston University School of Medicine*
- 1:27 pm – 1:35 pm            Discussion
- 1:35 pm – 1:39 pm            Variability of Online Available Physical Therapy Protocols for MPFL Reconstruction  
*Adam Lieber, BA, Icahn School of Medicine at Mount Sinai*



- 1:39 pm – 1:43 pm      A Matched Comparative Cohort Study of ACL Reconstruction with Internal Bracing  
*Evan Michaelson, MD, Georgetown University Medical Center*
- 1:43 pm – 1:47 pm      Efficacy Of Subchondroplasty in the Worker’s compensation Patient  
*Andrew Levy, MD, Center for Advanced Sports Medicine, Knee and Shoulder*
- 1:47 pm – 1:55 pm      Discussion

**Rapid Fire Session 2B – Health Care Economics Across all Subspecialties (Talbot B)**

**Moderators:** Benjamin A. Alman, MD, *Duke University Medical Center*  
Theodore J. Ganley, MD, *Children's Hospital of Philadelphia*  
Matthew A. Mormino, MD, *Mid-America Orthopaedic Association*  
Payam Tabrizi, MD, *The Hughston Clinic/Memorial Hospital*

- 1:15 pm – 1:19 pm      Consulting Payments Increase Scholarly Output and Impact for Orthopedic Surgeons  
*Alexander Lieber, BA, Drexel University College of Medicine*  
*\*Presented by Yehuda "Yudi" Kerbel, MD*
- 1:19 pm – 1:23 pm      Initiatives to Reduce All-Cause 30-Day Postoperative Readmissions – An Experience from the Orthopaedic Service of a Single University Hospital  
*Barkha N. Gurbani, MD, MPH, University of Texas Medical Branch*
- 1:23 pm – 1:27 pm      Are CT Scans Over-Utilized in the Workup of Vertebral Compression Fractures?  
*Shane McGowan, MD, St. Lukes University Health Network*
- 1:27 pm – 1:35 pm      Discussion
- 1:35 pm – 1:39 pm      Appropriateness of Elective Outpatient Spine Surgery Referral  
*Fady Sourial, DO, Rothman Institute, Egg Harbor Township*
- 1:39 pm – 1:43 pm      The Economic Impact of Reported Concussion Injuries in Major League Baseball  
*Kiran Chatha, MD, Cleveland Clinic Florida*
- 1:43 pm – 1:47 pm      Does Health Insurance Status Impact Timing in Treatment of Anterior Cruciate Ligament Tears?  
*Edward Chang, MD, Inova Health System*  
*\*Presented by Caroline Fryar, MS*
- 1:47 pm – 1:55 pm      Discussion

**Rapid Fire Session 2C – Foot & Ankle (Ossabaw A)**

**Moderators:** Shepard R. Hurwitz, MD, *University of North Carolina Orthopaedics*  
Sameh (Sam) A. Labib, MD, *Emory Sports Medicine Center*  
Martin J. O’Malley, MD, *Weill Cornell Medical College*  
Brian S. Winters, MD, *Rothman Institute at Thomas Jefferson University Hospital*

- 1:15 pm – 1:19 pm      Pes Planovalgus Correction Using Trabecular Metallic Wedges at Two-Years Follow-Up  
*Justin Tsai, MD State University of New York Downstate Medical Center University Hospital*  
*\*Presented by Brian Winters, MD*
- 1:19 pm – 1:23 pm      Radiographic Predictors for Improved Outcomes after Hammertoe Correction Surgery  
*Samuel Maidman, BA, Emory University*
- 1:23 pm – 1:27 pm      Time to Surgery and Surgical Management of Pilon Fractures  
*Jessica Mandel, BA, New York University*
- 1:27 pm – 1:35 pm      Discussion
- 1:35 pm – 1:39 pm      Risk Factors for Complications of Kirschner-Wires Following Elective Forefoot Surgery  
*James McKenzie, MD, Rothman Institute at Thomas Jefferson University Hospital*
- 1:39 pm – 1:43 pm      Gender Trends in Authorship of Foot and Ankle Academic Literature Over 24 Years  
*Molly Vora, BA, Boston University School of Medicine*
- 1:43 pm – 1:47 pm      Medializing Calcaneal Osteotomy with Triple/Double Arthrodesis for Rigid Flatfoot Deformity  
*Vincent Buddle, DO, RowanSOM*
- 1:47 pm – 1:55 pm      Discussion

**Rapid Fire Session 2D – Total Hip & Hip Arthroscopy with Economics (Ossabaw B)**

**Moderators:** Michael B. Cross, MD, *Hospital for Special Surgery*  
Richard Iorio, MD, *Brigham Health, Brigham and Women's Hospital*  
Adam J. Rana, MD, *Maine Medical Partners*  
Jose Rodriguez, MD, *Hospital for Special Surgery*  
Neil P. Sheth, MD, *Hospital of the University of Pennsylvania*  
Steven B. Zelicof, MD, PhD, *Harrison, NY*

- 1:15 pm – 1:19 pm      Early Detection of Joint Arthroplasty Loosening Using a Reference Implant  
*Luke Austin, MD, Rothman Institute at Thomas Jefferson University Hospital*
- 1:19 pm – 1:23 pm      Prosthetic Joint Infections: Does Established Relationships Impact Medical Decision Making?  
*Sean Ryan, MD, Duke University Hospital*
- 1:23 pm – 1:27 pm      Analyzing the Utilization and Impact of a Web-Based Portal following Total Joint Arthroplasty  
*Paraskevi (Vivian) Papas, BS, CCRC, Lenox Hill Hospital/Northwell*

*Health*

- 1:27 pm – 1:35 pm      Discussion
- 1:35 pm – 1:39 pm      Fibromyalgia Increases 90-Day Complications Following Primary Total Hip Arthroplasty  
*Scott Nelson, DO, Broward General Hospital*
- 1:39 pm – 1:43 pm      Defining Treatment Success after Two Stage Exchange Arthroplasty for Periprosthetic Joint Infection  
*Timothy L. Tan, MD, Rothman Institute at Thomas Jefferson University Hospital*
- 1:43 pm – 1:47 pm      **Resident Travel Grant Award**  
Utilization of a Repless Model in Primary Joint Arthroplasty: Lessons Learned  
*Peter White, BA, Bronx Lebanon Hospital Center*
- 1:47 pm – 1:55 pm      Discussion
- Rapid Fire Session 2E – Basic Science & Biologics** (*Conference 2*)  
**Moderators:** Scott D. Boden, MD, *Emory University*  
Gregory S. DiFelice, MD, *Hospital for Special Surgery*  
Spero Karas, MD, *Emory Sports Medicine*  
George Kasparyan, MD, PhD, *Lahey Clinic*  
John M. Olsewski, MD, *Montefiore Medical Center/Albert Einstein College of Medicine*
- 1:15 pm – 1:19 pm      Double-Row Repair is Stronger than Single-Row Repair of Hip Abductor Tears: A Biomechanical Matched Cadaver Study  
*Cynthia Kahlenberg, MD, Hospital for Special Surgery*
- 1:19 pm – 1:23 pm      Limited Contact Cables Preserves Periosteal Blood: A Cadaveric Injection Study  
*Daniel Schlatterer, DO, Wellstar at Atlanta Medical Center*
- 1:23 pm – 1:27 pm      Molybdenum-Rhenium Alloy with Novel Sensor Technology Superior for Remote Real-Time Monitoring of Bone Growth Across Fracture Segment  
*Kornelis Poelstra, MD, PhD, The Spine Institute on the Emerald Coast*
- 1:27 pm – 1:35 pm      Discussion
- 1:35 pm – 1:39 pm      Genetically Modified Therapeutic Cells Designed to Enhance Tendon Healing Exhibit Controlled Insulin Growth Factor Delivery with Improved Tissue Integration  
*Mark L. Wang, MD, PhD, Rothman Institute at Thomas Jefferson University*
- 1:39 pm – 1:43 pm      Cigarette Smoke Induces Nutritional Deprivation and Impaired Fracture Healing  
*Russell Reeves, MD, Medical University of South Carolina*

1:43 pm – 1:47 pm Osteoarthritis May Promote Cancer Proliferation: In Vitro Preliminary Findings  
*Samuel Rosas, MD, Wake Forest School of Medicine*

1:47 pm – 1:55 pm Discussion

**Rapid Fire Session 2F – Tumor, Diabetes & Miscellaneous (Cumberland Ballroom C)**

**Moderators:** Benjamin A. Alman, MD, *Duke University Medical Center*

J. Richard Bowen, MD, *Alfred I. duPont Hospital for Children (Nemours Foundation)*

Tae Won Kim, MD, *MD Anderson Cancer Center at Cooper*

1:15 pm – 1:19 pm Positive Margin Status is Correlated with Poorer Survival in Primary Bone Tumors of the Spine: An NCDB Study  
*Alexander Lazarides, MD, Duke University Medical Center*

1:19 pm – 1:23 pm Epidemiologic and Survival Trends in Primary Malignant Osseous Tumors of the Spine: A NCDB Study  
*Brian Dial, MD, Duke University*

1:23 pm – 1:27 pm Insulin Dependence Is Associated with Increased Risk of Complications Following Shoulder and Knee Arthroscopy  
*Sophia Traven, MD, Medical University of South Carolina*

1:27 pm – 1:35 pm Discussion

1:35 pm – 1:39 pm Demonstrating Osteoinductivity in a Novel Decellularized Xenograft  
*Alexander Jinnah, MD, Wake Forest University School of Medicine*  
*\*Presented by Samuel Rosas, MD*

1:39 pm – 1:43 pm **Resident Travel Grant Award**  
High Facility Volume May Improve Survival in Patients with Primary Bone Tumors of the Vertebral Column  
*Alexander Lazarides, MD, Duke University Medical Center*

1:43 pm – 1:47 pm Surgical Treatment of Soft Tissue and Bone Sarcomas: Unplanned Readmissions  
*Karina Lo, BS, Cooper University Hospital*  
*\*Presented by Tae Won B. Kim, MD*

1:47 pm – 1:55 pm Discussion

**Concurrent Symposium 2A – Caring for Complications of Joints: Algorithm for Success**

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

1:55 pm – 2:07 pm The Infected Total Hip at 6 Weeks/2 Years  
*Jose Rodriguez, MD, Hospital for Special Surgery*

2:07 pm – 2:11 pm Discussion

2:11 pm – 2:23 pm	The Infected Total Knee at 6 Weeks/1 Year <i>Steven B. Zelicof, MD, PhD, Harrison, NY</i>
2:23 pm – 2:27 pm	Discussion
2:27 pm – 2:39 pm	The Dislocating Total Hip at 4 Months/10 Years <i>Chitranjan S. Ranawat, MD, Hospital for Special Surgery</i>
2:39 pm – 2:43 pm	Discussion
2:43 pm – 2:55 pm	The Stiff Total Knee at 8 Weeks <i>Giles R. Scuderi, MD, Northwell Orthopedic Institute</i>
2:55 pm – 2:59 pm	Discussion
2:59 pm – 3:05 pm	Final Comments <i>Amar S. Ranawat, MD, Hospital for Special Surgery</i>

**Concurrent Symposium 2B – Common Cases & Complications in Sports Medicine: The Great Debates** (*Cumberland Ballroom A*)

**Moderator:** Nicholas Sgaglione, MD, *North Shore Long Island Jewish Medical Center*

**The 56-Year-Old Tennis Player/Golfer with Pain in the Shoulder, No Rotator Cuff Tear**

1:55 pm – 2:01 pm	Biceps Tenotomy <i>Stephen C. Weber, MD, John Hopkins</i>
2:01 pm – 2:07 pm	Tenodesis <i>Stephen J. Nicholas, MD, Lenox Hill Hospital</i>
2:07 pm – 2:11 pm	Rebuttal/Discussion

**19-Year-Old Wrestler Second Dislocation with 18 Percent Bone Loss**

2:11pm – 2:16 pm	Latarjet <i>Louis F. McIntyre, MD, Northwell Health</i>
2:16 pm – 2:21 pm	Open Bankart Repair <i>Joseph A. Abboud, MD, Rothman Institute at Thomas Jefferson University Hospital</i>
2:21pm – 2:26 pm	Arthroscopic Bankart Repair <i>Mark J. Lemos, MD, Lahey Hospital &amp; Medical Center</i>
2:26 pm – 2:30 pm	Rebuttal/Discussion

**17-Year-Old Female Skeletally Mature Soccer Player, Torn Midsubstance ACL with Ligamentous Laxity and Slight Opening (3mm) Laterally More Than Her Opposite Side**

2:30 pm – 2:36 pm	ACL Reconstruction Only
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*William R. Beach, MD, Tuckahoe Orthopaedic Associates*

2:36 pm – 2:42 pm      Fix the Lateral Side with an ACL Reconstruction  
*Claude T. Moorman III, MD, Carolinas Medical Center*

2:42 pm – 2: 46 pm      Rebuttal/Discussion

**47-Year-Old Man with 25 Year History of Lateral Meniscectomy, now with Valgus Thrust Gait and Pain, Grade 2 Outerbridge Arthritis, Rosenberg View with Bone-on-Bone, AP Open Joint Space**

2:46 pm – 2:51 pm      Meniscus Implant with Osteotomy  
*Andreas H. Gomoll, MD, Hospital for Special Surgery*

2:51 pm – 2:56 pm      Osteotomy Alone  
*Anil S. Ranawat, MD, Hospital for Special Surgery*

2:56 pm – 3:01 pm      Uni /TKR  
*Riyaz H. Jinnah, MD, FRCS, Wake Forest School of Medicine*

3:01 pm – 3:05 pm      Rebuttal/Discussion

**Session 5 – New Jersey Orthopedic Society Distinguished Lectures**

**President:** Ronald M. Selby, MD, *New Jersey Orthopedic Society*

**Moderator:** Bruce A. Monaghan, MD, *Advanced Orthopaedics Centers*

3:05 pm – 3:15 pm      Hip Arthroscopy & Joint Preservation: What We Now Can Do Successfully  
*John P. Salvo Jr., MD, Rothman Institute at Thomas Jefferson University Hospital*

3:15 pm – 3:25 pm      Tendon Disorders Around the Hip & Pelvis, Easily Taken Care Of  
*Anthony J. Scillia, MD, NJOS, Seton Hall University*

**Concurrent Symposium 3A – Understanding How to Stay Alive: Billing/Alphabet Soup**

**Moderators:** William R. Beach, MD, *Tuckahoe Orthopaedic Associates*

Louis F. McIntyre, MD, *Northwell Health*

3:25 pm -3:30 pm      We Don't Want to Stay Alive, We Want to Thrive! How to Succeed in a Changing Environment  
*Louis F. McIntyre, MD, Northwell Health*

3:30 pm – 3:45 pm      Returning Price into the Care Equation: How Bundled Payments Will Revolutionize Orthopedic Care Delivery. The ABC's of CJR, BPCI and Private Bundle Contracting  
*Richard Iorio, MD, Brigham Health, Brigham and Women's Hospital*

3:45 pm – 4:00 pm      Contracting 101: How Do I Transition My group to a Hospital Contract and Maintain My Autonomy?  
*William R. Beach, MD, Tuckahoe Orthopaedic Associates*

4:00 pm – 4:20 pm      3.5 Million TKA per Year by 2030: It's Great to Be Part of a Growth

Industry but How Do We Satisfy That Demand? The Coming Joint Factory  
*Michael P. Bolognesi, MD, Duke University Medical Center*

4:20 pm – 4:35 pm      The Alphabet Gone Bad: MIPS and How to Comply for the Orthopedic Surgeon. It's Not Rocket Science  
*Louis F. McIntyre, MD, Northwell Health*

4:35 pm – 4:55 pm      Coding Scenarios for Sports and Joints. How to Maximize Your Value  
Panel Discussion

**Panel:** *William R. Beach, MD, Tuckahoe Orthopaedic Associates*  
*Michael P. Bolognesi, MD, Duke University Medical Center*  
*Richard Iorio, MD, Brigham Health, Brigham and Women's Hospital*  
*Louis F. McIntyre, MD, Northwell Health*

4:55 pm – 5:25 pm      Q&A with Clinical Cases

5:25 pm – 5:30 pm      Final Comments

**Concurrent Symposium 3B – Trauma and The Great Debates: No Waffling from My Colleagues**  
(*Cumberland Ballroom A*)

**Moderators:** *Brian J. Galinat, MD, MBA, Christiana Care Health System*  
*Patrick W. Kwok, MD, Orthopaedic Specialty Group*  
*David S. Zelouf, MD, The Philadelphia Hand Center*

**The Intertrochanteric Fracture: Cephalomedullary versus The Plate**

**Moderator:** *Xinning Li, MD, Boston University School of Medicine*

3:25 pm – 3:33 pm      The Cephalomedullary Nail Works Best  
*Derek J. Donegan, MD, University of Pennsylvania*

3:33 pm – 3:41 pm      The Sliding Hip, Screw, Plate Has Been Used – Wake Up  
*Cullen K. Griffith, MD, Orthopaedic Specialty Group*

3:41 pm – 3:55 pm      Discussion  
**Moderator:** *Xinning Li, MD, Boston University School of Medicine*

3:55 pm – 4:10 pm      76-Year-Old Woman with Glenohumeral Arthritis and 2-Part Humerus Fracture: Reverse vs. ORIF  
**Moderator:** *Patrick W. Kwok, MD, Orthopaedic Specialty Group*  
**Lecturer:** *Xinning Li, MD, Boston University School of Medicine*

4:10 pm – 4:25 pm      Discussion

**11-Year-Old Tanner 3 with Torn ACL & MRI Evidence Open Growth Plates**

**Moderator:** *Brian J. Galinat, MD, MBA, Christiana Care Health System*

4:25 pm – 4:30 pm      **Pro:** All-Inside Drill and Don't Worry about It  
*Sabrina Strickland, MD, Hospital for Special Surgery*

4:30 pm – 4:35 pm      **Pro:** Transphyseal Works Every Time  
*Patrick W. Kwok, MD, Orthopaedic Specialty Group*

4:35 pm – 4:40 pm      **Pro:** Just Repair the ACL, Don't Reconstruct  
*Gregory S. DiFelice, MD, Hospital for Special Surgery*

4:40 pm – 4:55 pm      Discussion

**35-Year-Old Woman with CMC Grade 4 Arthritis**

**Moderator:** David S. Zelouf, MD, *The Philadelphia Hand Center*

4:55 pm – 5:03 pm      **Pro:** FCR/CMC Arthroplasty is the Only Way to Go  
*Henry A. Backe Jr., MD, Netter School of Medicine, Quinnipiac University, New Haven Health System*

5:03 pm – 5:11 pm      **Pro:** Don't Bother with FCR: I Have the Answer  
*Charles P. Melone, MD, Mount Sinai Beth Israel*

5:11 pm – 5:25 pm      Discussion

5:25 pm – 5:30 pm      Final Comments  
*Brian J. Galinat, MD, MBA, Christiana Care Health System*  
*Patrick W. Kwok, MD, Orthopaedic Specialty Group*  
*David S. Zelouf, MD, The Philadelphia Hand Center*

5:30 pm – 6:30 pm      **Scientific E-Poster Session** (*Talbot A, Talbot B, Ossabaw A, Ossabaw B, Conference 2, Conference 3*)  
(Presenters are available to answer questions.)

**Friday, October 19**

6:00 am – 7:00 am      **Scientific E-Poster Session** (*Talbot A, Talbot B, Ossabaw A, Ossabaw B, Conference 2, Conference 3*)  
(Presenters are available to answer questions.)

7:00 am – 7:05 am      **Morning Agenda**  
*Kevin D. Plancher, MD, MPH, Program Chair*

**Session 6 – Award Abstract Presentations**

**Moderators:** Mark J. Lemos, MD, *Lahey Hospital & Medical Center*  
Matthew J. Matava, MD, *Washington University School of Medicine*  
Nicholas Sgaglione, MD, *North Shore Long Island Jewish Medical Center*

7:05 am – 7:10 am      **Richmond Arthroscopy/Sports Medicine Award**  
Effects of Artificial Turf on Knee Injuries in NCAA Football  
*Galvin Loughran, BS, Georgetown University School of Medicine*

7:10 am – 7:15 am      **Parvizi Resident/Fellow Musculoskeletal Infection Award**



Polymyxin and Bacitracin in the Irrigation Solution: There Is No Role for This Practice

*Karan Goswami, MD, Rothman Institute at Thomas Jefferson University Hospital*

7:15 am – 7:20 am

**Resident/Fellow Paper Award**

Sterility of Ethyl Chloride Spray after Use in the Clinic

*Kristin Sandrowski, MD, Rothman Institute at Thomas Jefferson University Hospital*

7:20 am – 7:30 am

Discussion

7:30 am – 7:35 am

**Resident/Fellow Paper Award**

The Cost-Effectiveness of Vancomycin Powder in Lumbar Laminectomy

*Yehuda "Yudi" Kerbel, MD, Drexel University College of Medicine*

7:35 am – 7:40 am

**Travel Grant Funding Provided by Sam A. Labib, MD**

Patterns and Implications of Syndesmotic Screw Failure in Ankle Fractures

*Jessica Mandel, BA, New York University*

7:40 am – 7:45 am

**Travel Grant Funding Provided by Geoffrey H. Westrich, MD**

Perioperative Management of New Oral Anticoagulants in Orthopaedic Surgery

*Claire Eliasberg, MD, Hospital for Special Surgery*

7:45 am – 7:50 am

**Travel Grant Funding Provided by Javad Parvizi, MD, FRCS**

Alternative Graft Preparations for Hamstring All-Inside Anterior Cruciate Ligament Reconstruction

*Meghan Richardson, MD, Stony Brook University Hospital*

7:50 am – 8:00 am

Discussion

8:00 am – 8:20 am

***BREAK – Please Visit Exhibits***

**Symposium 4 – Maintenance of Certification and Update in Orthopaedics: The Giants Review**

**Moderator:** Kevin D. Plancher, MD, MPH, *Albert Einstein College of Medicine*

8:20 am – 8:30 am

Hand and Wrist Update 2018

*George Kasparyan, MD, PhD, Lahey Clinic*

8:30 am – 8:40 am

Trauma Update 2018

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

8:40 am – 8:50 am

Sports Medicine Update 2018

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

8:50 am – 9:00 am

Spine Update 2018

*Alexander Vaccaro, MD, PhD, MBA, Rothman Institute at Thomas Jefferson University Hospital*

- 9:00 am – 9:10 am           Shoulder & Upper Extremity Update 2018  
*Spero Karas, MD, Emory Sports Medicine*
- 9:10 am – 9:20 am           Foot & Ankle Update 2018  
*Shepard R. Hurwitz, MD, University of North Carolina Orthopaedics*
- 9:20 am – 9:30 am           Total Knee/Total Hip Update 2018  
*Douglas Padgett, MD, Hospital for Special Surgery*
- 9:30 am – 9:40 am           Biologics Update 2018  
*Kevin D. Plancher, MD, MPH, Albert Einstein College of Medicine*
- 9:40 am – 9:50 am           Infections, Blood Clots and Ethics  
*Javad Parvizi, MD, FRCS, Rothman Institute at Thomas Jefferson University Hospital*

**Humanitarian Award Presentation**

**Moderator:** *Glenn A. Barden, MD, Lakeland, FL*

- 9:50 am – 9:55 am           Presentation of the Humanitarian Award

**Session 7 – Presidential Address**

**Moderator:** *Kevin D. Plancher, MD, MPH, Albert Einstein College of Medicine*

- 9:55 am – 10:00 am       Introduction of Presidential Address  
*John D. Kelly IV, MD, University of Pennsylvania*
- 10:00 am – 10:30 am       American Dream: The Story of an Immigrant  
*Javad Parvizi, MD, FRCS, Rothman Institute at Thomas Jefferson University Hospital*
- 10:30 am – 10:50 am       **BREAK – Please Visit Exhibits**

**Concurrent Symposium 5A – ACL Innovation & Early Osteoarthritis of the Knee**

**Moderators:** *Andreas H. Gomoll, MD, Hospital for Special Surgery*  
*Matthew J. Matava, MD, Washington University School of Medicine*

- 10:50 am – 11:00 am       The Bony Edema Procedure Update 2018 Avoid the Total Joint  
*Peter Sharkey, MD, Rothman Institute at Thomas Jefferson University Hospital*
- 11:00 am – 11:10 am       The Meniscus is Gone: Now What? How it Effects the Knee and Arthritis  
*Matthew J. Matava, MD, Washington University School of Medicine*
- 11:10 am – 11:20 am       Repair the ACL, Stop Reconstruction  
*Gregory S. DiFelice, MD, Hospital for Special Surgery*
- 11:20 am – 11:30 am       Viscosupplementation: The Science, Why it’s Necessary and How it Helps Patients  
*Louis F. McIntyre, MD, Northwell Health*

11:30 am – 11:39 am Discussion & Case Presentations

**Concurrent Symposium 5B – Shoulder** (*Cumberland Ballroom A*)

**Moderators:** Joshua A. Baumfeld, MD, *Lahey Clinic*  
Brian J. Galinat, MD, MBA, *Christiana Care Health System*  
Spero Karas, MD, *Emory Sports Medicine*

10:50 am – 11:02 am Rotator Cuff: My Algorithm When to Fix, When to Leave Alone  
*Louis F. McIntyre, MD, Northwell Health*

11:02 am – 11:14 am Mistakes I Have Made in Shoulder Instability: My Complications  
*Xinning Li, MD, Boston University School of Medicine*

11:14 am – 11:26 am Shoulder Ream and Run: It Does Work – Believe Me  
*Michael Moskal, MD, Shoulder & Elbow Center, PSC*

11:26 am – 11:39 am Discussion & Case Presentations

11:39 am – 12:09 pm **Focused Lunch Presentation**

**Concurrent Symposium 6A – Sports Medicine/Articular Cartilage**

**Moderators:** Matthew J. Matava, MD, *Washington University School of Medicine*  
John P. McConnell, MD, *Georgetown University*

12:09 pm – 12:21 pm Thermal Energy and It's Role for Articular Cartilage  
*Michael J. Kaplan, MD, Active Orthopaedics PC*

12:21 pm - 12:33 pm Articular Cartilage Restoration: Where We Have Been, Where We are  
Going?  
*Nicholas Sgaglione, MD, North Shore Long Island Jewish Medical Center*

12:33 pm – 12:45 pm Cartilage Repair in the Weekend Warrior  
*Andreas H. Gomoll, MD, Hospital for Special Surgery*

12:45 pm – 1:00 pm Discussion

**Concurrent Symposium 6B –Trauma** (*Cumberland Ballroom A*)

**Moderators:** David E. Asprinio, MD, *Westchester Medical Arts Atrium*  
Matthew A. Mormino, MD, *Mid-America Orthopaedic Association*

12:09 pm – 12:21 pm Pilon and Tibial Plateau Fractures  
*David E. Asprinio, MD, Westchester Medical Arts Atrium*

12:21 pm - 12:33 pm Elbow Trauma  
*Charles Cassidy, MD, Tufts University School of Medicine*

12:33 pm – 12:45 pm Non-Unions & Problem Fractures of the Lower Extremity  
*Payam Tabrizi, MD, The Hughston Clinic/Memorial Hospital*

12:45 pm – 1:00 pm Discussion

### **Special Feature**

1:05 pm – 5:30 pm **CPT & ICD-10 Coding: The Business of Medicine**  
*Margaret Maley, BSN, MS, Karen Zupco & Associates, Inc.*  
(Additional Cost: \$95 per Member and \$295 per Nonmembers)

5:30 pm – 6:30 pm **Scientific E-Poster Session** (*Talbot A, Talbot B, Ossabaw A, Ossabaw B, Conference 2, Conference 3*)  
(Presenters are available to answer questions.)

6:15 pm End Academic Session

### **Saturday, October 20**

6:00 am – 7:00 am **Scientific E-Poster Session** (*Talbot A, Talbot B, Ossabaw A, Ossabaw B, Cumberland Ballroom B, Cumberland Ballroom C*)  
(Presenters are available to answer questions.)

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

7:00 am – 7:05 am **Morning Agenda**  
*Kevin D. Plancher, MD, MPH, Program Chair*

### **Symposium 7 – International Perspectives & Challenges to Innovation in Orthopaedics**

**Moderators:** Michael P. Ast, MD, *Hospital for Special Surgery*  
Stephen C. Weber, MD, *Johns Hopkins*

7:05 am – 7:17 am The Anterior Approach to the Hip: Fact or Fiction!  
*Hari P. Bezwada, MD, Princeton Orthopaedic Associates, PA*

7:17 am – 7:29 am The Orthopaedic Generalist is Not Dead  
*Steven F. Gunther, MD, George Washington University*

7:29 am – 7:44 am Panel Discussion

### **Session 8 – Chairmen and Program Directors (By Invitation Only) Challenges of Residency in Orthopaedics (Room)**

**Moderator:** Gary E. Friedlaender, MD, *Yale University School of Medicine*

**Panel:** *Benjamin A. Alman, MD, Duke University Medical Center*  
*David E. Asprinio, MD, Westchester Medical Arts Atrium*  
*William R. Beach, MD, Tuckahoe Orthopaedic Associates*  
*Scott D. Boden, MD, Emory University*  
*Charles Cassidy, MD, Tufts Medical Center*  
*Shepard R. Hurwitz, MD, University of North Carolina*  
*Orthopaedics*

*George Kasparyan, MD, PhD, Lahey Clinic*  
*Lawrence S. Miller, MD, Cooper Bone & Joint Institute*  
*Peter M. Murray, MD, Mayo Clinic*  
*John M. Olsewski, MD, Montefiore Medical Center/Albert Einstein College of Medicine*  
*Douglas Padgett, MD, Hospital for Special Surgery*  
*E. Anthony Rankin, MD, Providence Hospital*  
*Marc J. Richard, MD, Duke University Medical Center*  
*Neil P. Sheth, MD, Hospital of the University of Pennsylvania*  
*Michael Suk, MD, JD, MPH, MBA, FACS, Geisinger Health System*  
*Alexander Vaccaro, MD, PhD, MBA, Rothman Institute at Thomas Jefferson University Hospital*  
*Robert H. Wilson, MD, Howard University College of Medicine*

7:00 am – 7:15 am      What is the Future of Residency Education?  
*Gary E. Friedlaender, MD, Yale University School of Medicine*

7:15 am – 7:30 am      Discussion

7:30 am– 7:45 am      Turning Education Upside Down: A Competency Based Approach to Training  
*Benjamin A. Alman, MD, Duke University Medical Center*

7:45 am – 8:00 am      Discussion

8:00 am – 8:15 am      Physician Wellness-Taking Care of Yourself  
*Michael Suk, MD, JD, MPH, MBA, FACS, Geisinger Health System*

8:15 am – 8:30 am      Discussion

**Concurrent Symposium 8A – Elbow & Wrist**

**Moderators:** *Henry A. Backe Jr., MD, Netter School of Medicine, Quinnipiac University, New Haven Health System*  
*Charles Cassidy, MD, Tufts Medical Center*  
*Marc J. Richard, MD, Duke University Medical Center*

7:44 am – 7:52 am      Avoiding Pitfalls and Complications of Distal Radius Open Reduction Internal Fixation  
*Mark S. Rekant, MD, Philadelphia Hand to Shoulder Center*

7:52 am – 8:00 am      Comparison of Current Surgical Techniques of UCL Reconstruction in Throwing Athletes  
*Michael G. Ciccotti, MD, Thomas Jefferson University Hospital*

8:00 am – 8:15 am      New Ideas & Controversies of Hand Arthropathy – Articular Surgery for Scleroderma  
*Charles P. Melone, MD, Mount Sinai Beth Israel*

8:15 am – 8:30 am      Discussion & Case Presentations

### **Concurrent Symposium 8B – Spine** (*Cumberland Ballroom B*)

**Moderator:** Marc J. Levine, MD, *Rothman Institute at Thomas Jefferson University Hospital*

- 7:44 am – 7:52 am Update and Advances in Spinal Cord Injuries  
*Alexander Vaccaro, MD, PhD, MBA, Rothman Institute at Thomas Jefferson University Hospital*
- 7:52 am – 8:00 am ALIF, XLIF, OLIF...Which Do We Go With?  
*Marc J. Levine, MD, Rothman Institute at Thomas Jefferson University Hospital*
- 8:00 am – 8:08 am Robots and Spine Surgery – The Past, the Present, and the Future  
*Vladimir A. Sinkov, MD, New Hampshire Orthopaedic Society*
- 8:08 am – 8:16 am The Simple Discectomy, Not So Simple: The Tricks of the Trade  
*Scott D. Boden, MD, Emory University*
- 8:16 am – 8:30 am Discussion & Case Presentations

### **Concurrent Symposium 8C – Foot & Ankle** (*Cumberland Ballroom C*)

**Moderators:** Steven Haddad, MD, *Illinois Bone and Joint Institute*

- 7:44 am – 7:52 am What I Did 10 Years Ago in 8 Minutes, I Don't Do Any Longer in Foot & Ankle Surgery  
*Stuart D. Miller, MD, Medstar Union Memorial Hospital*
- 7:52 am – 8:00 am Foot & Ankle Injuries in Athletes: The 5 Diagnoses You Can't Miss  
*Sameh (Sam) A. Labib, MD, Emory Sports Medicine Center*
- 8:00 am – 8:15 am Deformities in Ankle Arthroplasty: A Journey to Make It Perfect  
*Steven Haddad, MD, Illinois Bone and Joint Institute*
- 8:15 am – 8:30 am Discussion & Case Presentations
- 8:30 am – 9:00 am **Focused Brunch Presentation**

### **Rapid Fire Session 3A – Foot & Ankle** (*Talbot A*)

**Moderators:** Steven Haddad, MD, *Illinois Bone and Joint Institute*  
Sameh (Sam) A. Labib, MD, *Emory Sports Medicine Center*  
James A. Nunley II, MD, *Duke University Medical Center*

- 9:00 am – 9:04 am Driving after Total Ankle Arthroplasty  
*Elizabeth McDonald, BA, Rothman Institute at Thomas Jefferson University Hospital*  
*\*Presented by Rachel Shakked, MD*
- 9:04 am – 9:08 am Determining Minimum Clinically Important Difference after Hallux Valgus Surgical Correction  
*Ryan Sutton, BS, Rothman Institute at Thomas Jefferson University Hospital*  
*\*Presented by Rachel Shakked, MD*

- 9:08 am – 9:12 am            Functional Outcome Risk Score for Total Ankle Arthroplasty  
*Benjamin Hendy, MD, Rothman Institute at Thomas Jefferson University Hospital*  
*\*Presented by Daniel Fuchs, MD*
- 9:12 am – 9:20 am            Discussion
- 9:20 am – 9:24 am            HTX-011 Reduces Acute Pain and Opioid Consumption Following Bunionectomy  
*Douglas Lucas, DO, Mercy Orthopedic Associates*  
*\*Presented by Brian Moran*
- 9:24 am – 9:28 am            Prevalence of Neuropathic Pain in the Foot and Ankle Patients  
*Eliezer Sidon, MD, Rothman Institute at Thomas Jefferson University Hospital*  
*\*Presented by Rachel Shakked, MD*
- 9:28 am – 9:32 am            Periosteal Medial Femoral Condyle Graft for Talus Avascular Necrosis  
*Megan L. Jimenez, DO, Rowan/Inspira Health Network*
- 9:32 am – 9:40 am            Discussion

**Rapid Fire Session 3B – Spine (Talbot B)**

**Moderators:** Scott D. Boden, MD, *Emory University*  
 Marc J. Levine, MD, *Rothman Institute at Thomas Jefferson University Hospital*  
 John M. Olsewski, MD, *Montefiore Medical Center/Albert Einstein College of Medicine*  
 Vladimir A. Sinkov, MD, *New Hampshire Orthopaedic Society*  
 Alexander Vaccaro, MD, PhD, MBA, *Rothman Institute at Thomas Jefferson University Hospital*

- 9:00 am – 9:04 am            Inpatient Outcomes Following Lumbar Interspinous Process Device Implantation  
*Gregory Kirchner, MPH, Drexel University College of Medicine*  
*\*Presented by Yehuda "Yudi" Kerbel, MD*
- 9:04 am – 9:08 am            Anti-Inflammatory Peptide Enhances New Bone Formation and Reduces Inflammation in rhBMP-2-Mediated Spine Fusion  
*Phillip Behrens, MD, Cedars-Sinai Medical Center*
- 9:08 am – 9:12 am            Overall Survival and Ambulatory Prognosis in Spinal Metastatic Disease with Indeterminate Instability (SINS 7-12) does not Depend on Type of Treatment  
*Brian Dial, MD, Duke University*
- 9:12 am – 9:20 am            Discussion
- 9:20 am – 9:24 am            Cement Augmentation of Compression Fractures Is Safe in the Very Elderly  
*Murillo Adrados, MD, Yale School of Medicine*

*\*Presented by Courtney Toombs, MD*

9:24 am – 9:28 am      Can Postoperative Proprioceptive Changes Predict Coronal Alignment Parameters Following Surgical Correction of Adolescent Idiopathic Scoliosis (AIS)?  
*Michael Faloon, MD, University Spine Center*

9:28 am – 9:32 am      PPI Use and Its Effect on Lumbar Spine Fusion  
*James McKenzie, MD, Rothman Institute at Thomas Jefferson University Hospital*  
*\*Presented by John Mangan, MD*

9:32 am – 9:40 am      Discussion

**Rapid Fire Session 3C – Meta Analysis, Outcome Methodology and Technology (Ossabaw A)**

**Moderators:** David E. Asprinio, MD, *Westchester Medical Arts Atrium*  
Lisa K. Cannada, MD, *Saint Louis University School of Medicine*  
Michael Suk, MD, JD, MPH, MBA, FACS, *Geisinger Health System*  
Payam Tabrizi, MD, *The Hughston Clinic/Memorial Hospital*  
Ilya Voloshin, MD, *University of Rochester Medical Center*

9:00 am – 9:04 am      Quantifying Patient Resilience Using the Short Musculoskeletal Function Assessment  
*Kurtis Carlock, BS, New York University Langone Orthopedic Hospital*  
*\*Presented by Kyle Hildebrandt, BS*

9:04 am – 9:08 am      Return to Work after Orthopaedic Procedures: Systematic Review and Meta-Analysis  
*Michael Steinhaus, MD, Hospital for Special Surgery*  
*\*Presented by Adam Lieber, BA*

9:08 am – 9:12 am      Monitoring Surgical Incision Sites in Orthopedic Patients Using an Online Physician-Patient Messaging Platform  
*Jenny Zhang, BA, Lenox Hill Hospital*

9:12 am – 9:20 am      Discussion

9:20 am – 9:24 am      Bilateral Simultaneous Versus Staged Total Knee Arthroplasty: Minimal Perioperative Risk-Differences  
*Ellen Tsay, BS, MS, University of California, San Francisco*

9:24 am – 9:28 am      Four-Year Outcomes Following Arthroscopic Microfracture of the Hip  
*Benjamin Kester, MD, New York University Langone Orthopedic Hospital*

9:28 am – 9:32 am      Outcomes of Ultrasound-Activated Suture Anchor for Lateral Ligament Reconstruction  
*Amalie Erwood, BS, Emory University School of Medicine*  
*\*Presented by Albert Anastasio, BA*

9:32 am – 9:40 am      Discussion



### **Rapid Fire Session 3D – Outcomes and the Social Determinates** (*Ossabaw B*)

**Moderators:** Michael B. Cross, MD, *Hospital for Special Surgery*  
Douglas Padgett, MD, *Hospital for Special Surgery*  
Adam J. Rana, MD, *Maine Medical Partners*  
Jose Rodriguez, MD, *Hospital for Special Surgery*  
Neil P. Sheth, MD, *Hospital of the University of Pennsylvania*

- 9:00 am – 9:04 am Does Musculoskeletal Health Literacy Differ Between Urban and Rural Patients  
*Christopher Johnson, MD, Albany Medical Center*
- 9:04 am – 9:08 am ACA's Impact on an Academic Medical Center's Orthopaedic Surgery Department  
*Robert Wilson, MD, Howard University College of Medicine*
- 9:08 am – 9:12 am Patient Pain Perception of Orthopaedic Conditions in an Urban Setting  
*Lianne Cho, ScB, Bronx-Lebanon Hospital Center*  
*\*Presented by Peter Baek, ScB*
- 9:12 am – 9:20 am Discussion
- 9:20 am – 9:24 am Demographic Analysis of Pedicle Diameters in a Diverse Population  
*Joseph Albano, DO, MBA, Plainview Hospital Northwell Health*
- 9:24 am – 9:28 am Racial and Age Related Differences in Lumbar Facet Joint Orientation  
*Daniel Komlos, MD, PhD, Maimonides Medical Center*
- 9:28 am – 9:32 am Comparing Different Tranexamic Acid Routes and Dosages in Total Joint Arthroplasty  
*Norbert Hootsmans, MPH, Saint Francis Hospital & Medical Center*
- 9:32 am – 9:40 am Discussion

### **Rapid Fire Session 3E – Upper Extremity** (*Cumberland Ballroom B*)

**Moderators:** Joshua A. Baumfeld, MD, *Lahey Clinic*  
Charles Cassidy, MD, *Tufts Medical Center*  
Michael G. Ciccotti, MD, *Thomas Jefferson University Hospital*  
Patrick W. Kwok, MD, *Orthopaedic Specialty Group*

- 9:00 am – 9:04 am Competitive Swimming Injury Epidemiology and Training Modalities  
*Ryan Hoffman, MD, Einstein Medical Center*
- 9:04 am – 9:08 am Cost Effectiveness of Staphylococcus aureus Screening in Total Shoulder Arthroplasty  
*Anisha Sunkerneni, BS, Drexel University College of Medicine*  
*\*Presented by Yehuda "Yudi" Kerbel, MD*
- 9:08 am – 9:12 am Characteristics of 512 Arthroscopic Rotator Cuff Repair Based on Physician Training

*Scott Weiner, DO, Northwell Health Plainview Hospital*

- 9:12 am – 9:20 am Discussion
- 9:20 am – 9:24 am Delay to Arthroscopic Rotator Cuff Repair Increases Revision Surgery Rates  
*Evan O'Donnell, MD, Hospital for Special Surgery*
- 9:24 am – 9:28 am Comparing Shoulder and Cervical Spine Surgical Intervention in Shoulder Pain  
*Ajith Malige, MD, St. Luke's University Hospital*
- 9:28 am – 9:32 am Return to Sports after Surgical Treatment for Anterior Shoulder Instability  
*Hussein Abdul-Rassoul, BS, MS, Boston University School of Medicine*
- 9:32 am – 9:40 am Discussion

**Rapid Fire Session 3F – Health Care Economics (Conference 3)**

**Moderators:** William R. Beach, MD, *Tuckahoe Orthopaedic Associates*  
Richard Chang, MD, *NJOS, Mid Jersey Orthopaedics*  
Brian A. Jewett, MD, *Slocum Orthopedics*  
Louis F. McIntyre, MD, *Northwell Health*

- 9:00 am – 9:04 am Episode-of-Care Costs for TJA: Predicting a “Bundle-Buster” Patient  
*Yale Fillingham, MD, Rothman Institute at Thomas Jefferson University Hospital*
- 9:04 am – 9:08 am Utility of a Risk-Stratification Tool to Predict 90-day Readmissions  
*Sanjit R. Konda, MD, New York University Langone Orthopedic Hospital*
- 9:08 am – 9:12 am One-Year Mortality Following Fragility Hip Fractures – A Retrospective Review  
*Kimona Issa, MD, Seton Hall University School of Health and Medical Sciences*  
*\*Presented by Todd Pierce, MD*
- 9:12 am – 9:20 am Discussion
- 9:20 am – 9:24 am Patient Factors Affecting ED Utilization and Hospital Readmission after ACDF  
*Evan Sheha, MD, Hospital for Special Surgery*
- 9:24 am – 9:28 am Socioeconomic Risk Adjustment Models Are Necessary in Cervical Spine Surgery  
*Anthony Boniello, MD, Drexel University College of Medicine*
- 9:28 am – 9:32 am The Short-Term Impact of Concussion in the NHL: An Analysis of Player Longevity, Performance, and Financial Loss  
*Prem Ramkumar, MD, MBA, Cleveland Clinic*

9:32 am – 9:40 am Discussion

9:40 am – 10:00 am **BREAK – Please Visit Exhibits**

**Symposium 9 – Physician Wellness, the Opioid Epidemic & Ethics**

**Moderator:** George Kasparyan, MD, PhD, *Lahey Clinic*

10:00 am – 10:12 am Physician Burnout and Stress: Catastrophe or Opportunity?  
*Alexander Vaccaro, MD, PhD, MBA, Rothman Institute at Thomas Jefferson University Hospital*

10:12 am – 10:20 am Ketorolac Use in the Elite Athlete Medical & Ethical Implications  
*Matthew J. Matava, MD, Washington University School of Medicine*

10:20 am – 10:30 am Discussion & Case Presentations

**Session 9 – Howard Steel Lecturer**

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

10:30 am – 10:35 am Introduction of Howard Steel  
*Javad Parvizi, MD, FRCS, Rothman Institute at Thomas Jefferson University Hospital*

10:35 am – 11:06 am Is There an Avatar in the House: Changing the DNA of Healthcare in the Age of AI  
*Steven K. Klasko, MD, MBA, Jefferson Health System*

11:06 am – 11:11 am Plaque Presentation

**Symposium 10 – Business School Primer for the Orthopaedist: How to Succeed with Your Colleagues & Administration**

**Moderator:** Brian J. Galinat, MD, MBA, *Christiana Care Health System*

11:11 am – 11:19 am Reduce Readmissions and How to Obtain a Good Contract for Employment  
*Michael P. Ast, MD, Hospital for Special Surgery*

11:19 am – 11:27 am Maximizing CPT and ICD-10 Codes: Understanding the Rules  
*William R. Beach, MD, Tuckahoe Orthopaedic Associates*

11:27 am – 11:35am Utilizing Your Physician Assistant to Maximize Income  
*Brian A. Jewett, MD, Slocum Orthopedics*

11:35 am – 11:45 am Discussion

11:45 am – 12:15pm **Focused Lunch Presentation**

**Rapid Fire Session 4A – The Opioid Crisis and Complications in Orthopedics (Talbot A)**

**Moderators:** Michael P. Ast, MD, *Hospital for Special Surgery*  
Michael B. Cross, MD, *Hospital for Special Surgery*  
Giles R. Scuderi, MD, *Northwell Orthopedic Institute*

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

- 12:15 pm – 12:19 pm      Do Relaxation Exercises Decrease Postoperative Pain after Rotator Cuff Repair?  
*Danielle Weekes, MD, Rothman Institute, Egg Harbor Township*
- 12:19 pm – 12:23 pm      Primary Lumbar Fusion Complications amongst Opioid Abusers and Non-Opioid Abusers  
*Rushabh Vakharia, MD, Holy Cross Hospital*
- 12:23 pm – 12:27 pm      Incidence of Chronic Opioid Use Following Arthroscopic Rotator Cuff Repair  
*Michael DeFrance, DO, Rowan University*  
*\*Presented by Sundeep Saini, MD, Luke Austin, MD*
- 12:27 pm – 12:35 pm      Discussion
- 12:35 pm – 12:39 pm      Opioid Dependence in TSA: What Can Orthopedic Surgeons Do?  
*Kiran Chatha, MD, Cleveland Clinic, Florida*
- 12:39 pm – 12:43 pm      Rapid Recovery Pathway for the Adolescent Idiopathic Scoliosis  
*Eli Ahdoot, DO, Riverside University Health System*
- 12:43 pm – 12:47 pm      Does Liposomal Bupivacaine Provide Better Outcomes Compared to Ropivacaine in Chronic Opioid Users Undergoing Total Knee Arthroplasty?  
*Samik Banerjee, MBBS, MS, MRCS, Albany Medical Center*  
*\*Presented by Abdul Arain, MD*
- 12:47 pm – 12:55 pm      Discussion

**Rapid Fire Session 4B – Elbow & Outpatient Surgery (Talbot B)**

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

Charles Cassidy, MD, *Tufts Medical Center*

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

Charles P. Melone, MD, *Mount Sinai Beth Israel*

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

- 12:15 pm – 12:19 pm      Stress Fractures of the Elbow in the Throwing Athlete  
*Shelby Smith, BS, Rothman Institute at Thomas Jefferson University Hospital*
- 12:19 pm – 12:23 pm      Hypertrophic Sublime Tubercle in Elbow Ulnar Collateral Ligament Injuries  
*Michael Fu, MD, MHS, Hospital for Special Surgery*
- 12:23 pm – 12:27 pm      Biomechanics of UCL Docking Reconstruction versus Repair with Internal Bracing  
*Blake Bodendorfer, MD, Georgetown University Medical Center*

- 12:27 pm – 12:35 pm Discussion
- 12:35 pm – 12:39 pm Medial Elbow Instability Resulting from Partial Tears of the Ulnar Collateral Ligament: Stress Ultrasound in a Cadaveric Model  
*Michael Ciccotti, MD, Rothman Institute at Thomas Jefferson University Hospital*
- 12:39 pm – 12:43 pm Medical Malpractice in Orthopedic Surgery: A WestLaw-Based Demographic Analysis  
*Nicole Rynecki, BA, Rutgers New Jersey Medical School*
- 12:43 pm – 12:47 pm Risk Optimization in an Academic Ambulatory Clinic  
*Abigail Campbell, MD, New York University Langone Orthopedic Hospital*
- 12:47 pm – 12:55 pm Discussion

**Rapid Fire Session 4C – Shoulder Instability, Arthroplasty, Outcomes and Resident Logs (Ossabaw A)**

**Moderators:** Joseph A. Abboud, MD, *Rothman Institute at Thomas Jefferson University Hospital*  
Michael Moskal, MD, *Shoulder & Elbow Center, PSC*  
Ilya Voloshin, MD, *University of Rochester Medical Center*

- 12:15 pm – 12:19 pm Effect of Preoperative Patient Expectations on Outcomes Following Reverse Shoulder Arthroplasty  
*Ryan Rauck, MD, Hospital for Special Surgery*
- 12:19 pm – 12:23 pm Outpatient Total Shoulder Arthroplasty  
*Steven Rayappa, MD, Albany Medical College*
- 12:23 pm – 12:27 pm Outcomes Using Superior Augmented Baseplates in Reverse Shoulder Arthroplasty  
*Lindsey Liuzza, MD, NYU Langone Orthopedic Hospital*
- 12:27 pm – 12:35 pm Discussion
- 12:35 pm – 12:39 pm Arthroscopic Shoulder Stabilization in the Young Athlete: Return to Sport  
*Jacob Calcei, MD, Hospital for Special Surgery*
- 12:39 pm – 12:43 pm **Resident Travel Grant Award**  
National Trends in Orthopaedic Surgery Resident Adult Case Logs  
*Todd Pierce, MD, Seton Hall University School of Health and Medical Sciences*
- 12:43 pm – 12:47 pm Receiver Operating Characteristics for Total Shoulder Arthroplasty Risk Prediction Models  
*Michael Fu, MD, MHS, Hospital for Special Surgery*
- 12:47 pm – 12:55 pm Discussion

**Rapid Fire Session 4D – Pediatric Knee/ACL (Ossabaw B)**

**Moderators:** Michael G. Ciccotti, MD, *Thomas Jefferson University Hospital*  
Mark J. Lemos, MD, *Lahey Hospital & Medical Center*

- 12:15 pm – 12:19 pm      Comparison of Three Pain Control Strategies for Pediatric ACL Surgery  
*Gary Kiebzak, PhD, Nemours Childrens Hospital*  
*\*Presented by Lisgelia Santana-Rojas, MD*
- 12:19 pm – 12:23 pm      Growth Arrest after Transphyseal ACL Reconstruction in Skeletally  
Immature Adolescents  
*Thomas Melton, MD, Madigan Army Medical Center*
- 12:23 pm – 12:27 pm      Differences in ACL Reconstruction Techniques Based on Fellowship  
Training  
*Timothy Mulry, DO, Northwell Health*
- 12:27 pm – 12:35 pm      Discussion
- 12:35 pm – 12:39 pm      The Effect of Graft Selection on Patients' Subjective Readiness to Return to  
Activities after ACL Reconstruction  
*Weilong Shi, MD, Emory University*
- 12:39 pm – 12:43 pm      Clinical Outcomes Following ACL Reconstruction with Quadriceps Tendon  
Autografts  
*Harris Slone, MD, Medical University of South Carolina*
- 12:43 pm – 12:47 pm      Use of Rotationplasty for Pediatric Trauma and Significant Physeal Injuries  
*Kristina Barber, BA, University of Colorado School of Medicine*
- 12:47 pm – 12:55 pm      Discussion

**Rapid Fire Session 4E – Hip Arthroscopy/Hip Fractures (Cumberland Ballroom B)**

**Moderators:** Brian A. Jewett, MD, *Slocum Orthopedics*  
Edward J. McPherson, MD, FACS, *LA Orthopedic Institute*  
Adam J. Rana, MD, *Maine Medical Partners*  
Jose Rodriguez, MD, *Hospital for Special Surgery*

- 12:15 pm – 12:19 pm      Effect of Cigarette Smoking on Patient Reported Outcomes in Hip  
Arthroscopy  
*Benjamin Domb, MD, American Hip Institute*  
*\*Presented by Ajay Lall, MD*
- 12:19 pm – 12:23 pm      Long-Term Outcomes of Unstable Pelvic Fractures Requiring Iliosacral  
Screw Fixation  
*Kyle Hildebrandt, BS, NYU Langone Orthopaedic Hospital*
- 12:23 pm – 12:27 pm      Effect of Alcohol Consumption on Patient Reported Outcomes in Hip  
Arthroscopy  
*Benjamin Domb, MD, American Hip Institute*  
*\*Presented by Ajay Lall, MD*

- 12:27 pm – 12:35 pm Discussion
- 12:35 pm – 12:39 pm Risk-Assessment Tool Validation for Predicting Cost in Elderly Hip Fracture Patients  
*Sanjit R. Konda, MD, New York University Langone Orthopedic Hospital*
- 12:39 pm – 12:43 pm General Anesthesia Increases Complications Following Hip Fracture Surgery  
*Andrew Tyler, MD, PhD, University of Pennsylvania*
- 12:43 pm – 12:47 pm **Resident Travel Grant Award**  
Arthroscopic Reconstruction of the Acetabular Labrum Using Fascia Lata Allograft: Shuttle Technique and Minimum Two-Year Results  
*Matthew C. Kruchten, Peachtree Orthopedics*
- 12:47 pm – 12:55 pm Discussion
- Rapid Fire Session 4F – New Procedures/Robots/Protocols and Results** (*Cumberland Ballroom C*)  
**Moderators:** J. Richard Bowen, MD, *Alfred I. duPont Hospital for Children (Nemours Foundation)*  
Richard M. Wilk, MD, *Brigham & Women's Hospital*  
Cynthia L. Emory, MD, *Wake Forest University School of Medicine*
- 12:15 pm – 12:19 pm Complications Following Volar Plating of Distal Radius Fractures: Systematic Review  
*Todd Alter, BS, Rothman Institute at Thomas Jefferson University Hospital*  
*\*Presented by Talia Chapman, MD*
- 12:19 pm – 12:23 pm Open Labral Reconstruction Improves FAI Outcomes after Failed Hip Preservation  
*Zlatan Cizmic, MD, New York University Langone Orthopedic Hospital*
- 12:23 pm – 12:27 pm Are Ball and Socket Disc Replacements Fusing with and without Radiographic Evidence  
*Fabio Pencle, MBBS, Less Exposure Surgery Society*
- 12:27 pm – 12:35 pm Discussion
- 12:35 pm – 12:39 pm Midterm Results of Radiographic and Functional Outcomes after Tibiotalocalcaneal Arthrodesis  
*Ryan Rogero, BS, Rothman Institute at Thomas Jefferson University Hospital*  
*\*Presented by Daniel Fuchs, MD*
- 12:39 pm – 12:43 pm Demographics and Rates of Surgical Arthroscopy and Postoperative Rehabilitative Preferences of Arthroscopists from the Arthroscopy Association of North America (AANA)  
*David T. Neuman, MD, New York Sports Care*
- 12:43 pm – 12:47 pm Projections for Total Ankle Arthroplasty Based upon the National Inpatient Sample

*Justin Rabinowitz, MD, Medical University of South Carolina*

12:47 pm – 12:55 pm Discussion

**Rapid Fire Session 4G – Spine** (*Foyer*)

**Moderators:** Marc J. Levine, MD, *Rothman Institute at Thomas Jefferson University Hospital*  
John M. Olsewski, MD, *Montefiore Medical Center/Albert Einstein College of Medicine*  
E. Anthony Rankin, MD, *Providence Hospital*  
Alexander Vaccaro, MD, PhD, MBA, *Rothman Institute at Thomas Jefferson University Hospital*

12:15 pm – 12:19 pm Lumbar Subcutaneous Adipose to Spinous Process Depth Ratio as a Predictor for Surgical Complications  
*Kylie Shaw, BA, David Geffen School of Medicine at UCLA*

12:19 pm – 12:23 pm Surgeon Compensation by Time in ACDF versus Cervical Disc Arthroplasty  
*Gregory Kirchner, MPH, Drexel University College of Medicine*  
*\*Presented by Yehuda "Yudi" Kerbel, MD*

12:23 pm – 12:27 pm Factors that Increase Risk for Postoperative Urinary Retention after Elective Laminectomy  
*Aris Yannopoulos, MD, Saint Francis Hospital & Medical Center*

12:27 pm – 12:35 pm Discussion

12:35 pm – 12:39 pm Recovery of Strength Affected By Number of Levels After ACDF  
*John Mangan, MD, Rothman Institute at Thomas Jefferson University Hospital*

12:39 pm – 12:43 pm Inpatient versus Outpatient Cervical Total Disc Replacement: A Comparison of 30-Day Postoperative Outcomes  
*Dale Segal, MD, Emory University*

12:43 pm – 12:47 pm The Arrival of Robotics in Spine Surgery: Review of Literature  
*Alexander Ghasem, MD, University of Miami*  
*\*Presented by Abhinav Sharma, BS*

12:47 pm – 12:55 pm Discussion

**Rapid Fire Session 4H – Trauma** (*Magnolia Ballroom E, F & G*)

**Moderators:** Benjamin A. Alman, MD, *Duke University Medical Center*  
Lisa K. Cannada, MD, *Saint Louis University School of Medicine*  
Michael Suk, MD, JD, MPH, MBA, FACS, *Geisinger Health System*

12:15 pm – 12:19 pm Association between Fracture Laterality and Nerve Injury Among Pediatric Supracondylar Humerus Fractures  
*Diana Douleh, MD, University of Colorado Hospital*

12:19 pm – 12:23 pm Fragility in the Management of Clavicle Fractures: A Systematic Review



*Joseph Ruzbarsky, MD, Hospital for Special Surgery*

- 12:23 pm – 12:27 pm      The Distal Locking Screw Is Not Necessary for Stable Intertrochanteric Fractures  
*Julianne Forlizzi, MD, Rutgers Robert Wood Johnson University Hospital*
- 12:27 pm – 12:35 pm      Discussion
- 12:35 pm – 12:39 pm      Delayed Primary Closure of Fasciotomy Incisions after Tibia Fracture  
*John Nolan, MD, MS, University of Vermont Medical Center*
- 12:39 pm – 12:43 pm      Predicting Patient-Reported Outcomes in Tibia Fractures Treated with Intramedullary Nails  
*Jeffrey Shroff, MD, University of Rochester Medical Center*
- 12:43 pm – 12:47 pm      Orthopaedic Trauma Quality Measures for Value Based Healthcare Delivery  
*Malcolm DeBaun, MD, Stanford University*  
*\*Presented by Edward J. Wu, MD*
- 12:47 pm – 12:55 pm      Discussion
- 1:00 pm – 2:00 pm      **Scientific E-Poster Session** (*Talbot A, Talbot B, Ossabaw A, Ossabaw B, Cumberland Ballroom B, Cumberland Ballroom C, Foyer, General Session*)  
(Presenters are available to answer questions.)

### **Resident Review Course**

**Course Chair:** Joshua A. Baumfeld, MD, *Lahey Clinic*

**Course Vice Chair:** Robert H. Wilson, MD, *Howard University College of Medicine*

**Moderators:** Lisa K. Cannada, MD, *Saint Louis University School of Medicine*

Charles Cassidy, MD, *Tufts Medical Center*

Ilya Voloshin, MD, *University of Rochester Medical Center*

- 1:00 pm – 2:00 pm      Hand & Wrist  
*Marc J. Richard, MD, Duke University Medical Center*
- 2:00 pm – 3:00 pm      Orthopaedic Oncology  
*Ginger E. Holt, MD, Vanderbilt Orthopaedic Institute*
- 3:00 pm – 4:00 pm      Foot & Ankle  
*Steven Haddad, MD, Illinois Bone and Joint Institute*
- 4:00 pm – 5:00 pm      Total Hip & Total Knee Arthroplasty  
*Edward J. McPherson, MD, FACS, LA Orthopedic Institute*

### **Resident Bowl Competition – Hosted by New Jersey Orthopedics**

**Hosts:** Richard D. Lackman, MD, *Cooper University Health Care*

Vincent K. McInerney, MD, *New Jersey Orthopaedic Institute*

Bruce A. Monaghan, MD, *Advanced Orthopaedics Centers*

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

Lisa K. Cannada, MD, *Saint Louis University School of Medicine*  
Charles Cassidy, MD, *Tufts Medical Center*  
Ilya Voloshin, MD, *University of Rochester Medical Center*

5:00 pm – 6:00 pm            Resident Competition

6:00 pm                        End of Program

2:00 pm – 4:30 pm            **Multimedia Education Session**