

EOA Scientific Program
October 17-20, 2018
Omni Amelia Island, Amelia Island, FL
(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 Room 2, Conference Room 3*)
(Presenters are available to answer questions.)

6:30 am – 6:45 am **First Business Meeting** (*Magnolia Ballroom E, F & G*)

6:45 am – 6:50 am **Welcome, Introduction of Program and Announcements** (*Magnolia Ballroom E, F & G*)
Javad Parvizi, MD, FRCS, President
Kevin D. Plancher, MD, MPH, Program Chair

Concurrent Symposium 1A – Controversies in Total Hip and Knee Arthroplasty (*Magnolia Ballroom E, F & G*)

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 – 7:28 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 – 7:28 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

Focused Brunch Presentation (*Magnolia Ballroom E, F & G*)

7:30 am – 8:04 am Smith & Nephew
Treating Rotator Cuff Disease with the REGENETEN Bioinductive Implant Demonstrating Improved Patient Outcome through Registry Data & Case Studies
Lou McIntyre, MD

Session 1 – Debate – Battle of the Titans: The Massive Rotator Cuff Tear (*Magnolia Ballroom E, F & G*)

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 (*Magnolia Ballroom A, B, C & D*)

Session 2 – Award Abstract Presentations (*Magnolia Ballroom E, F & G*)

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

8:49 am – 8:54 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 L. McDonald, BA, Rothman Institute at Thomas Jefferson University Hospital

8:54 am – 8:59 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

8:59 am – 9:06 am

Discussion

9:06 am – 9:11 am

Resident/Fellow Paper Award

A Prospective Evaluation of Opioid Consumption Following Orthopaedic F&A Surgery
Sundeep Saini, DO, RowanSOM Orthopedic Surgery Residency Program

9:11 am – 9:16 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

9:16 am – 9:21 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
Stuart Changoor, MD, Seton Hall University School of Health and Medical Sciences

9:21 am – 9:26 am

Travel Grant Funding Provided by J. Richard Bowen, MD

J-Splint Use for Definitive Management of Pediatric Femur Fractures
Jamie Grossman, MD, Monmouth Medical Center

9:26 am – 9:31 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

9:31 am – 9:36 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

9:36 am – 9:41 am

Travel Grant Funding Provided by Marc J. Levine, MD

Arthroscopic versus Open Rotator Cuff Repair: Evaluation of ABOS Database
Blane Kelly, MD, Virginia Commonwealth University

9:41 am – 9:49 am

Discussion

9:49 am – 9:59 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 G. Karas, MD, *Emory Sports Medicine*

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

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

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

- 10:01 am – 10:05 am Higher BMI is Associated with Additional Surgery in the Setting of ACL Reconstruction
Sophia A. Traven, MD, Medical University of South Carolina
- 10:05 am – 10:09 am Reliability of Preoperative MRI Prediction of Hamstring ACL Autograft Size
Andrew Hanna, MS, Virginia Tech Carilion School of Medicine
- 10:09 am – 10:13 am **EOA/OREF Resident Travel Grant Award**
Release of Tibialis Posterior Muscle Osseofascial Sheath for Exertional Compartment Syndrome
J. Taylor Bellamy, MD, Emory University
- 10:13 am – 10:21 am Discussion
- 10:21 am – 10:25 am **Resident Travel Grant Award**
Prospective Evaluation of Glenoid Bone Loss after Anterior Glenohumeral Instability
Sean E. Slaven, MD, Walter Reed National Military Medical Center
- 10:25 am – 10:29 am Chondral Delamination of Fresh Osteochondral Allograft in the Knee
Ryan Rauck, MD, Hospital for Special Surgery
- 10:29 am – 10:33 am **Resident Travel Grant Award**
Thigh Tourniquet Effect on Popliteal Artery Spatial Anatomy
Justen Elbayar, MD, Stony Brook University Hospital
- 10:33 am – 10:40 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*

- 10:01 am – 10:05 am Risk Adjustment for Episode-of-Care Costs Following TJA: Costs of Comorbidities
Yale Fillingham, MD, Rothman Institute at Thomas Jefferson University Hospital

- 10:05 am – 10:09 am Safety Criteria for Short Stay after Total Joint Replacement
Morteza Meftah, MD, Bronx Lebanon Hospital Center
**Presented by Peter B. White, BA*
- 10:09 am – 10:13 am Utilization of Drains in Total Knee Arthroplasty: A Population Based Study
Robert Brochin, MD, Mt Sinai Medical Center
- 10:13 am – 10:21 am Discussion
- 10:21 am – 10:25 am Patient Satisfaction in Academic versus Community Hospitals Following
Joint Arthroplasty
Cierra S. Hong, BA, Duke University School of Medicine
- 10:25 am – 10:29 am Implant Selection Errors in Total Joint Arthroplasty
Michael P. Ast, MD, Hospital for Special Surgery
- 10:29 am – 10:33 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 S. Cremins, PhD, PA-C*
- 10:33 am – 10:40 am Discussion

Rapid Fire Session 1C – Pediatrics (Ossabaw A)

Moderators: J. Richard Bowen, MD, *Alfred I. duPont Hospital for Children (Nemours Foundation)*
Thomas R. Bowen, MD, *Geisinger Medical Center*
James T. Guille, MD, *Premier Orthopaedics, Brandywine Institute of Orthopaedics
Division*

- 10:01 am – 10:05 am Early versus Late-In-The-Day Admissions Impact Outcomes in Pediatric
Patients with Osteomyelitis
*David H. Mai, MD, MPH, New York University Langone Orthopedic
Hospital*
- 10:05 am – 10:09 am Intelligent Use, not Abuse of Radiology in Infantile Non-Accidental
Trauma
*John Handelsman, MD, FRCS, MCh.Orth, New York University Langone
Orthopedic Hospital*
- 10:09 am – 10:13 am National Trends in Orthopaedic Surgery Resident Pediatric Case Logs
*Todd P. Pierce, MD, Seton Hall University School of Health and Medical
Sciences*
**Presented by Jennifer Kurowicki, MD*
- 10:13 am – 10:21 am Discussion
- 10:21 am – 10:25 am Impact of Pediatric Subspecialty Training on Complications in AIS Surgery
Nicholas Yohe, MD, Maimonides Medical Center
**Presented by Daniel Komlos, MD, PhD*

10:25 am – 10:29 am Epiphyseal-Entry Cannulated Screws for Temporary Guided Growth of Knees
Kevin Neal, MD, Nemours Childrens Specialty Care

10:29 am – 10:33 am Improving Resident Education through Unstable Chicken Hips
Matthew Geswell, MD, Geisinger Medical Center

10:33 am – 10:40 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*

10:01 am – 10:05 am Delay to Arthroscopic Rotator Cuff Repair Increases Revision Surgery Rates
Evan O'Donnell, MD, Hospital for Special Surgery

10:05 am – 10:09 am Microbial Colonization of Subscapularis Tagging Sutures in Shoulder Arthroplasty
Ryan Roach, MD, MS, New York University Langone Orthopedic Hospital
**Presented by Mandeep S. Virk, MD*

10:09 am – 10:13 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

10:13 am – 10:23 am Discussion

10:23 am – 10:27 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

10:27 am – 10:31 am Opioid Induced Constipation after Rotator Cuff Repair: Randomized Prospective Study
Danielle G. Weekes, MD, Rothman Institute, Egg Harbor Township

10:31 am – 10:40 am Discussion

Rapid Fire Session 1E – Spine (Conference Room 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*

10:01 am – 10:05 am **EOA/OREF Resident Travel Grant Award**

Culture Patterns in Aseptic Revision Spine Surgery
Michael E. Steinhaus, MD, Hospital for Special Surgery

10:05 am – 10:09 am Factors Influencing Successful Medical Management of Infection Following Lumbar Surgery
Christopher Lucasti, BS, Rothman Institute, Egg Harbor Township

10:09 am – 10:19 am Discussion

10:19 am – 10:23 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
**Presented by George A. Beyer, MS*

10:23 am – 10:27 am Surgical Management of Fractures in Ankylosing Spondylitis
Etka Kurucan, BA, University of Rochester School of Medicine & Dentistry

10:27 am – 10:31 am A Comparison of Transverse Pedicle Angles between Ethnic Groups
Robert Stockton, DO, Plainview Hospital

10:31 am – 10:40 am Discussion

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

Moderators: Henry A. Backe Jr., MD, *Netter School of Medicine, Quinnipiac University, New Haven Health System*
Glenn A. Barden, MD, *Lakeland, FL*
Harris Gellman, MD, *University of Miami*
Bruce A. Monaghan, MD, *Advanced Orthopaedics Centers*
Mark S. Rekant, MD, *Philadelphia Hand to Shoulder Center*

10:01 am – 10:05 am Mid-Term Results of Anatomic Total Shoulder Arthroplasty with a Third-Generation Implant
Jonathan C. Levy, MD, Holy Cross Hospital
**Presented by Paul DeVito, DO*

10:05 am – 10:09 am Impact of Wrist Fracture on Major League Baseball Players' Performance
Pradip Ramamurti, BS, George Washington University

10:09 am – 10:13 am Nerve Allograft Decellularization and Oxidation
Daniel Lara, MD, Wake Forest Baptist Medical Center

10:13 am – 10:23 am Discussion

10:23 am – 10:27 am Reducing Cost by Using a Smaller Tray in Hand Surgery
Philip Kirn, MD, PharmD, Medical University of South Carolina

10:27 am – 10:31 am Identifying Appropriate Candidates for Outpatient Shoulder Arthroplasty: A Validated Selection Algorithm
Matthew N. Fournier, MD, University of Tennessee

10:31 am – 10:40 am Discussion

10:40 am – 11:00 am BREAK – Please Visit Exhibits (*Magnolia Ballroom A, B, C & D*)
Apple TV

Session 3 – ABOS Update, AAOS Town Meeting (*Magnolia Ballroom E, F & G*)

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

11:00 am– 11:07 am ABOS Update
Peter M. Murray, MD, President ABOS, Mayo Clinic
David F. Martin, MD, Executive Director, ABOS, Wake Forest University

11:07 am –11:27 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 (*Magnolia Ballroom E, F & G*)

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

11:27 am – 11:32 am Introduction of Presidential Guest Speaker
Javad Parvizi, MD, FRCS, Rothman Institute at Thomas Jefferson University Hospital

11:32 am – 12:17 pm Physician Entrepreneurship: From Operating Room to Board Room.
David Kirschman, MD, Parvizi Surgical Innovations

Focused Lunch Presentation (*Magnolia Ballroom E, F & G*)

12:17 pm – 1:02 pm Johnson & Johnson Medical Devices Company
Moving Toward Opioid-Free Surgery: A Discussion on the Latest Data,
Techniques, and Trends
Stan Dysart, MD

1:02 pm – 1:07 pm OREF Report
Michael L. Parks, MD, Hospital for Special Surgery

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*

1:09 pm – 1:13 pm Shoulder Surgery Practice Variation in a Single, Multispecialty Group
Joshua A. Baumfeld, MD, Lahey Hospital & Medical Center

1:13 pm – 1:17 pm Tobacco Use Impact on Complications Following Hip Arthroscopy: A
Nationwide Matched-Paired Analysis
Jennifer Kurowicki, MD, Seton Hall University School of Health and Medical Sciences

- 1:17 pm – 1:21 pm Epidemiology of Multiligamentous Knee Injury at an Urban Level I Trauma Center
Cameron Egan, BS, Boston University School of Medicine
- 1:21 pm – 1:29 pm Discussion
- 1:29 pm – 1:33 pm Variability of Online Available Physical Therapy Protocols for MPFL Reconstruction
Adam C. Lieber, BA, Icahn School of Medicine at Mount Sinai
- 1:33 pm – 1:37 pm A Matched Comparative Cohort Study of ACL Reconstruction with Internal Bracing
Evan Michaelson, MD, Georgetown University Medical Center
- 1:37 pm – 1:41 pm Epidemiology of Knee Injuries in Firefighters
Cynthia A. Kahlenberg, MD, Hospital for Special Surgery
- 1:41 pm – 1:49 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*

- 1:09 pm – 1:13 pm Consulting Payments Increase Scholarly Output and Impact for Orthopedic Surgeons
AlexanderM. Lieber, BA, Drexel University College of Medicine
**Presented by Yehuda "Yudi" Kerbel, MD*
- 1:13 pm – 1:17 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
- 1:17 pm – 1:21 pm Are CT Scans Over-Utilized in the Workup of Vertebral Compression Fractures?
Shane M. McGowan, MD, St. Lukes University Health Network
**Presented by Gbolabo Sokunbi MD*
- 1:21 pm – 1:29 pm Discussion
- 1:29 pm – 1:33 pm **NJOS Travel Grant Award**
Appropriateness of Elective Outpatient Spine Surgery Referral
Fady H. Sourial, DO, Rothman Institute, Egg Harbor Township
- 1:33 pm – 1:37 pm The Economic Impact of Reported Concussion Injuries in Major League Baseball
Kiran Chatha, MD, Cleveland Clinic Florida
- 1:37 pm – 1:41 pm Does Health Insurance Status Impact Timing in Treatment of Anterior

Cruciate Ligament Tears?
Edward S. Chang, MD, Inova Health System
**Presented by Caroline Fryar, MS*

1:41 pm – 1:49 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*

1:09 pm – 1:13 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 S. Winters, MD*

1:13 pm – 1:17 pm Periosteal Medial Femoral Condyle Graft for Talus Avascular Necrosis
Megan L. Jimenez, DO, Rowan/Inspira Health Network

1:17 pm – 1:29 pm Discussion

1:29 pm – 1:33 pm Risk Factors for Complications of Kirschner-Wires Following Elective Forefoot Surgery
James C. McKenzie, MD, Rothman Institute at Thomas Jefferson University Hospital

1:33 pm – 1:37 pm **NJOS Travel Grant Award**
Medializing Calcaneal Osteotomy with Triple/Double Arthrodesis for Rigid Flatfoot Deformity
Vincent Buddle, DO, RowanSOM

1:37 pm – 1:49 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*

1:09 pm – 1:13 pm Early Detection of Joint Arthroplasty Loosening Using a Reference Implant
Luke S. Austin, MD, Rothman Institute at Thomas Jefferson University Hospital

1:13 pm – 1:17 pm Prosthetic Joint Infections: Does Established Relationships Impact Medical Decision Making?
Sean P. Ryan, MD, Duke University Hospital

- 1:17 pm – 1:21 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
- 1:21 pm – 1:29 pm Discussion
- 1:29 pm – 1:33 pm Four-Year Outcomes Following Arthroscopic Microfracture of the Hip
Benjamin Kester, MD, New York University Langone Orthopedic Hospital
- 1:33 pm – 1:37 pm Defining Treatment Success after Two Stage Exchange Arthroplasty for Periprosthetic Joint Infection
Timothy L. Tan, MD, Rothman Institute at Thomas Jefferson University Hospital
- 1:37 pm – 1:41 pm **Resident Travel Grant Award**
Utilization of a Repless Model in Primary Joint Arthroplasty: Lessons Learned
Peter B. White, BA, Bronx Lebanon Hospital Center
- 1:41 pm – 1:49 pm Discussion

Rapid Fire Session 2E – Basic Science & Biologics (*Conference Room 2*)

- Moderators:** Scott D. Boden, MD, *Emory University*
Gregory S. DiFelice, MD, *Hospital for Special Surgery*
Spero G. Karas, MD, *Emory Sports Medicine*
George Kasparian, MD, PhD, *Lahey Clinic*
John M. Olsewski, MD, *Montefiore Medical Center/Albert Einstein College of Medicine*
- 1:09 pm – 1:13 pm Double-Row Repair is Stronger than Single-Row Repair of Hip Abductor Tears: A Biomechanical Matched Cadaver Study
Cynthia A. Kahlenberg, MD, Hospital for Special Surgery
- 1:13 pm – 1:17 pm Limited Contact Cables Preserves Periosteal Blood: A Cadaveric Injection Study
Daniel Schlatterer, DO, Wellstar at Atlanta Medical Center
- 1:17 pm – 1:21 pm Molybdenum-Rhenium Alloy with Novel Sensor Technology Superior for Remote Real-Time Monitoring of Bone Growth Across Fracture Segment
Kornelis A. Poelstra, MD, PhD, The Spine Institute on the Emerald Coast
- 1:21 pm – 1:29 pm Discussion
- 1:29 pm – 1:33 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

1:33 pm – 1:37 pm Cigarette Smoke Induces Nutritional Deprivation and Impaired Fracture Healing
Russell A. Reeves, MD, Medical University of South Carolina

1:37 pm – 1:41 pm Osteoarthritis May Promote Cancer Proliferation: In Vitro Preliminary Findings
Samuel Rosas, MD, Wake Forest School of Medicine

1:41 pm – 1:49 pm Discussion

Rapid Fire Session 2F – Tumor, Diabetes & Miscellaneous (*Conference Room 3*)

Moderators: J. Richard Bowen, MD, *Alfred I. duPont Hospital for Children (Nemours Foundation)*
John D. Kelly IV, MD, *University of Pennsylvania*
Tae Won B. Kim, MD, *MD Anderson Cancer Center at Cooper*

1:09 pm – 1:13 pm Positive Margin Status is Correlated with Poorer Survival in Primary Bone Tumors of the Spine: An NCDB Study
Alexander L. Lazarides, MD, Duke University Medical Center

1:13 pm – 1:17 pm Epidemiologic and Survival Trends in Primary Malignant Osseous Tumors of the Spine: A NCDB Study
Brian L. Dial, MD, Duke University
**Presented by Alexander L. Lazarides, MD*

1:17 pm – 1:21 pm Insulin Dependence Is Associated with Increased Risk of Complications Following Shoulder and Knee Arthroscopy
Sophia A. Traven, MD, Medical University of South Carolina

1:21 pm – 1:29 pm Discussion

1:29 pm – 1:33 pm Demonstrating Osteoinductivity in a Novel Decellularized Xenograft
Alexander H. Jinnah, MD, Wake Forest University School of Medicine
**Presented by Samuel Rosas, MD*

1:33 pm – 1:37 pm **Resident Travel Grant Award**
High Facility Volume May Improve Survival in Patients with Primary Bone Tumors of the Vertebral Column
Alexander L. Lazarides, MD, Duke University Medical Center

1:37 pm – 1:41 pm Surgical Treatment of Soft Tissue and Bone Sarcomas: Unplanned Readmissions
Karina W. Lo, BS, Cooper University Hospital
**Presented by Tae Won B. Kim, MD*

1:41 pm – 1:49 pm Discussion

Concurrent Symposium 2A – Caring for Complications of Joints: Algorithm for Success (*Magnolia Ballroom E, F & G*)

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

1:51 pm – 2:03 pm	The Infected Total Hip at 6 Weeks/2 Years <i>Jose Rodriguez, MD, Hospital for Special Surgery</i>
2:03 pm – 2:07 pm	Discussion
2:07 pm – 2:19 pm	The Infected Total Knee at 6 Weeks/1 Year <i>Steven B. Zelicof, MD, PhD, Harrison, NY</i>
2:19 pm – 2:23 pm	Discussion
2:23 pm – 2:35 pm	The Dislocating Total Hip at 4 Months/10 Years <i>Chitranjan S. Ranawat, MD, Hospital for Special Surgery</i>
2:35 pm – 2:39 pm	Discussion
2:39 pm – 2:51 pm	The Stiff Total Knee at 8 Weeks <i>Giles R. Scuderi, MD, Northwell Orthopedic Institute</i>
2:51 pm – 2:55 pm	Discussion
2:55 pm – 3:01 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 A. 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

1:51 pm – 1:57 pm	Biceps Tenotomy <i>Stephen C. Weber, MD, Johns Hopkins University</i>
1:57 pm – 2:03 pm	Tenodesis <i>Stephen J. Nicholas, MD, Lenox Hill Hospital</i>
2:03 pm – 2:08 pm	Rebuttal/Discussion

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

2:08 pm – 2:12 pm	Latarjet <i>Louis F. McIntyre, MD, Northwell Health</i>
2:12 pm – 2:17 pm	Open Bankart Repair <i>Joseph A. Abboud, MD, Rothman Institute at Thomas Jefferson University Hospital</i>
2:17 pm – 2:22 pm	Arthroscopic Bankart Repair <i>Mark J. Lemos, MD, Lahey Hospital & Medical Center</i>
2:22 pm – 2:26 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

2:26 pm – 2:32 pm ACL Reconstruction Only
William R. Beach, MD, Tuckahoe Orthopaedic Associates

2:32 pm – 2:38 pm Fix the Lateral Side with an ACL Reconstruction
Claude T. Moorman III, MD, Carolinas Medical Center

2:38 pm – 2:43 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

2:43 pm – 2:48 pm Meniscus Implant with Osteotomy
Andreas H. Gomoll, MD, Hospital for Special Surgery

2:48 pm – 2:53 pm Osteotomy Alone
Anil S. Ranawat, MD, Hospital for Special Surgery

2:53 pm – 2:58 pm Uni /TKR
Riyaz H. Jinnah, MD, FRCS, Wake Forest School of Medicine

2:58 pm – 3:01 pm Rebuttal/Discussion

Session 5 – New Jersey Orthopedic Society Distinguished Lectures (Magnolia Ballroom E, F & G)

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

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

3:01 pm – 3:11 pm Hip Arthroscopy & Joint Preservation: What We Now Can Do Successfully
John P. Salvo Jr., MD, Rothman Institute at Thomas Jefferson University Hospital

3:11 pm – 3:21 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 (Magnolia Ballroom E, F & G)

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

Louis F. McIntyre, MD, *Northwell Health*

3:21 pm – 3:26 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

3:26 pm – 3:41 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

- 3:41 pm – 3:56 pm Contracting 101: How Do I Transition My group to a Hospital Contract and Maintain My Autonomy?
William R. Beach, MD, Tuckahoe Orthopaedic Associates
- 3:56 pm – 4:16 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
- 4:16 pm – 4:31 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
- 4:31 pm – 4:51 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
- 4:51 pm – 5:21 pm Q & A with Clinical Cases
- 5:21 pm – 5:26 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*

- 3:23 pm – 3:31 pm The Cephalomedullary Nail Works Best
Derek J. Donegan, MD, University of Pennsylvania
- 3:31 pm – 3:39 pm The Sliding Hip, Screw, Plate Has Been Used – Wake Up
Cullen K. Griffith, MD, Orthopaedic Specialty Group
- 3:39 pm – 3:53 pm Discussion
Moderator: Xinning Li, MD, *Boston University School of Medicine*
- 3:53 pm – 4:08 pm 76-Year-Old Woman without 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*

4:08 pm – 4:23 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*

4:23 pm – 4:28 pm **Pro:** All-Inside Drill and Don't Worry about It
Anil S. Ranawat, MD, Hospital for Special Surgery

4:28 pm – 4:33 pm **Pro:** Transphyseal Works Every Time
Patrick W. Kwok, MD, Orthopaedic Specialty Group

4:33 pm – 4:38 pm **Pro:** Just Repair the ACL, Don't Reconstruct
Gregory S. DiFelice, MD, Hospital for Special Surgery

4:38 pm – 4:53 pm Discussion

35-Year-Old Woman with CMC Grade 4 Arthritis

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

4:53 pm – 5:01 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

5:01 pm – 5:09 pm **Pro:** Don't Bother with FCR: I Have the Answer
Charles P. Melone, MD, Mount Sinai Beth Israel

5:09 pm – 5:23 pm Discussion

5:23 pm – 5:26 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

5:26 pm – 6:26 pm **Scientific E-Poster Session** (*Talbot A, Talbot B, Ossabaw A, Ossabaw B, Conference Room 2, Conference Room 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 Room 2, Conference Room 3*)
(Presenters are available to answer questions.)

7:00 am – 7:05 am **Morning Agenda** (*Magnolia Ballroom E, F & G*)
Kevin D. Plancher, MD, MPH, Program Chair

Session 6 – Award Abstract Presentations (*Magnolia Ballroom E, F & G*)

Moderators: Mark J. Lemos, MD, *Lahey Hospital & Medical Center*
Matthew J. Matava, MD, *Washington University School of Medicine*

Nicholas A. 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
Omar Behery, MD, MPH, 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

Focused Brunch Presentation (*Magnolia Ballroom E, F & G*)

- 8:00 am – 8:30 am ConvaTec
Risk Mitigation of Post-Operative Complications in Total Joint
Arthroplasty
Giles R. Scuderi, MD
Amar S. Ranawat, MD

Symposium 4 – Maintenance of Certification and Update in Orthopaedics: The Giants Review
(*Magnolia Ballroom E, F & G*)

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

- 8:30 am – 8:40 am Hand and Wrist Update 2018
George Kasparian, MD, PhD, Lahey Clinic
- 8:40 am– 8:50 am Trauma Update 2018
David E. Asprinio, MD, Westchester Medical Arts Atrium
- 8:50 am – 9:00 am Sports Medicine Update 2018
Nicholas A. Sgaglione, MD, North Shore Long Island Jewish Medical Center
- 9:00 am – 9:10 am Spine Update 2018
Alexander Vaccaro, MD, PhD, MBA, Rothman Institute at Thomas Jefferson University Hospital
- 9:10 am – 9:20 am Shoulder & Upper Extremity Update 2018
Spero G. Karas, MD, Emory Sports Medicine
- 9:20 am – 9:30 am Foot & Ankle Update 2018
Shepard R. Hurwitz, MD, University of North Carolina Orthopaedics
- 9:30 am – 9:40 am Total Knee/Total Hip Update 2018
Douglas E. Padgett, MD, Hospital for Special Surgery
- 9:40 am – 9:50 am Biologics Update 2018
Kevin D. Plancher, MD, MPH, Albert Einstein College of Medicine
- 9:50 am – 10:00 am Infections, Blood Clots and Ethics
Javad Parvizi, MD, FRCS, Rothman Institute at Thomas Jefferson University Hospital
- 10:00 am – 10:20 am BREAK – Please Visit Exhibits (*Magnolia Ballroom A, B, C & D*)
- Humanitarian Award Presentation** (*Magnolia Ballroom E, F & G*)
Moderator: Glenn A. Barden, MD, *Lakeland, FL*
- 10:20 am – 10:25 am Presentation of the Humanitarian Award
- Session 7 – Presidential Address** (*Magnolia Ballroom E, F & G*)
Moderator: Kevin D. Plancher, MD, MPH, *Albert Einstein College of Medicine*
- 10:25 am – 10:30 am Introduction of Presidential Address
John D. Kelly IV, MD, University of Pennsylvania
- 10:30 am – 11:00 am American Dream: The Story of an Immigrant
Javad Parvizi, MD, FRCS, Rothman Institute at Thomas Jefferson University Hospital
- 11:00 am – 11:20 am BREAK – Please Visit Exhibits (*Magnolia Ballroom A, B, C & D*)
Eco

Concurrent Symposium 5A – ACL Innovation & Early Osteoarthritis of the Knee (*Magnolia Ballroom E, F & G*)

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

- 11:22 am – 11:32 am The Bony Edema Procedure Update 2018 Avoid the Total Joint
Peter F. Sharkey, MD, Rothman Institute at Thomas Jefferson University Hospital
- 11:32 am – 11:42 am The Meniscus is Gone: Now What? How it Effects the Knee and Arthritis
Matthew J. Matava, MD, Washington University School of Medicine
- 11:42 am – 11:52 am Repair the ACL, Stop Reconstruction
Gregory S. DiFelice, MD, Hospital for Special Surgery
- 11:52 am – 12:02 pm Viscosupplementation: The Science, Why it's Necessary and How it Helps Patients
Louis F. McIntyre, MD, Northwell Health
- 12:02 pm – 12:11 pm 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*

- 11:22 am – 11:34 am Rotator Cuff: My Algorithm When to Fix, When to Leave Alone
Louis F. McIntyre, MD, Northwell Health
- 11:34 am – 11:46 am Mistakes I Have Made in Shoulder Instability: My Complications
Xinning Li, MD, Boston University School of Medicine
- 11:46 am – 11:58 am Shoulder Ream and Run: It Does Work – Believe Me
Michael J. Moskal, MD, Shoulder & Elbow Center, PSC
- 11:58 am – 12:11 pm Discussion & Case Presentations

Focused Lunch Presentation (*Magnolia Ballroom E, F & G*)

- 12:11 pm – 12:41 pm Flexion Therapeutics
Localized Treatment for Osteoarthritis Knee Pain with a Novel Intra-Articular Formulation
Paul Sethi, MD

Concurrent Symposium 6A – Sports Medicine/Articular Cartilage (*Magnolia Ballroom E, F & G*)

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

- 12:43 pm – 12:55 pm Thermal Energy and It's Role for Articular Cartilage
Michael J. Kaplan, MD, Active Orthopaedics PC

12:55 pm - 1:07 pm Articular Cartilage Restoration: Where We Have Been, Where We are Going?
Nicholas A. Sgaglione, MD, North Shore Long Island Jewish Medical Center

1:07 pm – 1:19 pm Cartilage Repair in the Weekend Warrior
Andreas H. Gomoll, MD, Hospital for Special Surgery

1:19 pm – 1:34 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*

12:43 pm – 12:55 pm Pilon and Tibial Plateau Fractures
David E. Asprinio, MD, Westchester Medical Arts Atrium

12:55 pm - 1:07 pm Elbow Trauma
Charles Cassidy, MD, Tufts University Medical Center

1:07 pm – 1:19 pm Non-Unions & Problem Fractures of the Lower Extremity
Payam Tabrizi, MD, The Hughston Clinic/Memorial Hospital

1:19 pm – 1:34 pm Discussion

KarenZupco Coding Course (*Conference Rooms 2 and 3*)

1:35 pm – 5:45 pm **CPT & ICD-10 Coding: The Business of Medicine**
Margaret Maley, BSN, MS, KarenZupco & Associates, Inc.
(Additional Cost: \$95 per Member and \$295 per Nonmembers)

5:45 pm – 6:45 pm **Scientific E-Poster Session** (*Talbot A, Talbot B, Ossabaw A, Ossabaw B*)
(Presenters are available to answer questions.)

6:45 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 A*)
(Presenters are available to answer questions.)

6:45 am – 7:00 am **Second Business Meeting** (*Magnolia Ballroom E, F & G*)

7:00 am – 7:05 am **Morning Agenda** (*Magnolia Ballroom E, F & G*)
Kevin D. Plancher, MD, MPH, Program Chair

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

Ballroom E, F & G)

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

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 (*Cumberland Ballroom C*)

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
L. Andrew Koman, MD, Wake Forest University Baptist Medical Center
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 E. 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 (*Magnolia Ballroom E, F & G*)

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*

7:47 am – 7:55 am Avoiding Pitfalls and Complications of Distal Radius Open Reduction
Internal Fixation
Mark S. Rekant, MD, Philadelphia Hand to Shoulder Center

7:55 am – 8:03 am Comparison of Current Surgical Techniques of UCL Reconstruction in
Throwing Athletes
Michael G. Ciccotti, MD, Thomas Jefferson University Hospital

8:03 am – 8:18 am New Ideas & Controversies of Hand Arthropathy – Articular Surgery for
Scleroderma
Charles P. Melone, MD, Mount Sinai Beth Israel

8:18 am – 8:31 am Discussion & Case Presentations

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

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

7:47 am – 7:55 am Update and Advances in Spinal Cord Injuries
*Alexander Vaccaro, MD, PhD, MBA, Rothman Institute at Thomas
Jefferson University Hospital*

7:55 am – 8:03 am ALIF, XLIF, OLIF...Which Do We Go With?
*Marc J. Levine, MD, Rothman Institute at Thomas Jefferson University
Hospital*

8:03 am – 8:11 am Robots and Spine Surgery – The Past, the Present, and the Future
Vladimir A. Sinkov, MD, New Hampshire Orthopaedic Society

8:11 am – 8:19 am The Simple Discectomy, Not So Simple: The Tricks of the Trade
Scott D. Boden, MD, Emory University

8:19 am – 8:31 am Discussion & Case Presentations

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

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

7:47 am – 7:55 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

7:55 am – 8:03 am Foot & Ankle Injuries in Athletes: The 5 Diagnoses You Can't Miss
Sameh (Sam) A. Labib, MD, Emory Sports Medicine Center

8:03 am – 8:18 am Deformities in Ankle Arthroplasty: A Journey to Make It Perfect
Steven L. Haddad, MD, Illinois Bone and Joint Institute

8:18 am – 8:31 am Discussion & Case Presentations

Focused Brunch Presentation (*Magnolia Ballroom E, F & G*)

8:33 am – 9:03 am Avanos
Opioid-Sparing Pain Management - Raising the Bar for Optimal Patient
Outcomes
Sonia Szlyk, MD

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

Moderators: Steven L. 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*

9:05 am – 9:09 am Driving after Total Ankle Arthroplasty
*Elizabeth L. McDonald, BA, Rothman Institute at Thomas Jefferson
University Hospital*
**Presented by Rachel Shakked, MD*

9:09 am – 9:13 am Determining Minimum Clinically Important Difference after Hallux Valgus
Surgical Correction
*Ryan M. Sutton, BS, Rothman Institute at Thomas Jefferson University
Hospital*
**Presented by Rachel Shakked, MD*

9:13 am – 9:17 am Functional Outcome Risk Score for Total Ankle Arthroplasty
*Benjamin Hendy, MD, Rothman Institute at Thomas Jefferson University
Hospital*
**Presented by Daniel J. Fuchs, MD*

9:17 am – 9:24 am Discussion

9:24 am – 9:28 am HTX-011 Reduces Acute Pain and Opioid Consumption Following
Bunionectomy
Douglas E. Lucas, DO, Mercy Orthopedic Associates
**Presented by Brian Moran*

9:28 am – 9:32 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*

9:32 am – 9:36am Time to Surgery and Surgical Management of Pilon Fractures

Jessica Mandel, BA, New York University

9:36 am – 9:43 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*

9:05 am – 9:09 am Inpatient Outcomes Following Lumbar Interspinous Process Device Implantation

Gregory J. Kirchner, MPH, Drexel University College of Medicine

**Presented by Anthony J. Boniello, MD*

9:09 am – 9:13 am Allograft Cellular Bone Matrix vs Ultra-Low-Dose Recombinant Bone Morphogenetic Protein-2 for 3-Level Anterior Cervical Discectomy and Fusion

Conor Dunn, MD, Seton Hall University School of Health and Medical Sciences

**Presented by Stuart Changoor, MD*

9:13 am – 9:17 am Long-Term Follow-up of Adult Scoliosis Patients Treated with Minimally-Invasive Lateral Lumbar Interbody Fusion (LLIF)

Conor Dunn, MD, Seton Hall University School of Health and Medical Sciences

**Presented by Stuart Changoor, MD*

9:17 am – 9:24 am Discussion

9:24 am – 9:28 am Cement Augmentation of Compression Fractures Is Safe in the Very Elderly

Murillo Adrados, MD, Yale School of Medicine

**Presented by Courtney Toombs, MD*

9:28 am – 9:32 am Can Postoperative Proprioceptive Changes Predict Coronal Alignment Parameters Following Surgical Correction of Adolescent Idiopathic Scoliosis (AIS)?

Michael Faloon, MD, University Spine Center

9:32 am – 9:36 am PPI Use and Its Effect on Lumbar Spine Fusion

James C. McKenzie, MD, Rothman Institute at Thomas Jefferson University Hospital

**Presented by John Mangan, MD*

9:36 am – 9:43 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, *Professor and Program Director, University of Florida, Jacksonville*
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*

- 9:05 am – 9:09 am Quantifying Patient Resilience Using the Short Musculoskeletal Function Assessment
Kurtis D. Carlock, BS, New York University Langone Orthopedic Hospital
**Presented by Kyle Hildebrandt, BS*
- 9:09 am – 9:13 am Return to Work after Orthopaedic Procedures: Systematic Review and Meta-Analysis
Michael E. Steinhaus, MD, Hospital for Special Surgery
**Presented by Adam C. Lieber, BA*
- 9:13 am – 9:22 am Discussion
- 9:22 am – 9:26 am Monitoring Surgical Incision Sites in Orthopedic Patients Using an Online Physician-Patient Messaging Platform
Jenny Zhang, BA, Lenox Hill Hospital
- 9:26 am – 9:30 am Hospital Resource Utilization Associated with Endoprosthetic Reconstruction Versus Primary Arthroplasty
Christopher Hoedt, MD, Cooper University Hospital
- 9:30 am – 9:34 am Trends in Peripheral Nerve Blocks in Shoulder Arthroscopy
Abhinav Sharma, BS, David Geffen School of Medicine at UCLA
- 9:34 am – 9:43 am Discussion

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

Moderators: Michael B. Cross, MD, *Hospital for Special Surgery*
Douglas E. 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*

- 9:05 am – 9:09 am Does Musculoskeletal Health Literacy Differ Between Urban and Rural Patients
Christopher Johnson, MD, Albany Medical Center
- 9:09 am – 9:13 am ACA's Impact on an Academic Medical Center's Orthopaedic Surgery Department
Robert H. Wilson, MD, Howard University College of Medicine
- 9:13 am – 9:17 am Patient Pain Perception of Orthopaedic Conditions in an Urban Setting
Lianne Cho, ScB, Bronx-Lebanon Hospital Center
**Presented by Peter Baek, ScB*

- 9:17 am – 9:24 am Discussion
- 9:24 am – 9:28 am Demographic Analysis of Pedicle Diameters in a Diverse Population
Joseph Albano, DO, MBA, Plainview Hospital Northwell Health
- 9:28 am – 9:32 am Racial and Age Related Differences in Lumbar Facet Joint Orientation
Daniel Komlos, MD, PhD, Maimonides Medical Center
- 9:32 am – 9:36 am Comparing Different Tranexamic Acid Routes and Dosages in Total Joint Arthroplasty
Norbert Hootsmans, MPH, Saint Francis Hospital & Medical Center
- 9:36am – 9:43 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*

- 9:05 am – 9:09 am Competitive Swimming Injury Epidemiology and Training Modalities
Ryan Hoffman, MD, Einstein Medical Center
- 9:09 am – 9:13 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*
- 9:13 am – 9:17 am Characteristics of 512 Arthroscopic Rotator Cuff Repair Based on Physician Training
Scott Weiner, DO, Northwell Health Plainview Hospital
- 9:17 am – 9:24 am Discussion
- 9:24 am – 9:28 am Continued Inpatient Care after Primary Total Shoulder Arthroplasty
John Apostolakos, MD, MPH, Hospital for Special Surgery
- 9:28 am – 9:32 am Comparing Shoulder and Cervical Spine Surgical Intervention in Shoulder Pain
Ajith Malige, MD, St. Luke's University Hospital
**Presented by Gbolabo Sokunbi, MD*
- 9:32 am – 9:36 am Return to Sports after Surgical Treatment for Anterior Shoulder Instability
Hussein Abdul-Rassoul, BS, MS, Boston University School of Medicine
- 9:36 am – 9:43 am Discussion

Rapid Fire Session 3F – Health Care Economics (Cumberland Ballroom C)

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*

- 9:05 am – 9:09 am Episode-of-Care Costs for TJA: Predicting a “Bundle-Buster” Patient
Yale Fillingham, MD, Rothman Institute at Thomas Jefferson University Hospital
- 9:09 am – 9:13 am No Difference in Total Episode-of-Care Cost between Staged and
Simultaneous Bilateral Total Joint Arthroplasty
Jessica L. Phillips, MD, Thomas Jefferson University Hospital
- 9:13 am – 9:17 am **NJOS Travel Grant Award**
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 P. Pierce, MD*
- 9:17 am – 9:24 am Discussion
- 9:24 am – 9:28 am Patient Factors Affecting ED Utilization and Hospital Readmission after
ACDF
Evan Sheha, MD, Hospital for Special Surgery
- 9:28 am – 9:32 am Socioeconomic Risk Adjustment Models Are Necessary in Cervical Spine
Surgery
Anthony J. Boniello, MD, Drexel University College of Medicine
- 9:32 am – 9:36 am Frailty Predicts Complications, Readmission, Reoperation, and LOS after
Total Shoulder Arthroplasty
Russell E. Holzgreffe, MD, Emory University
**Presented by Jeffrey Shi, MD*
- 9:36 am – 9:43 am Discussion
- 9:45 am – 10:10 am BREAK – Please Visit Exhibits (*Magnolia Ballroom A, B, C & D*)
Apple TV

Symposium 9 – Physician Wellness, the Opioid Epidemic & Ethics (*Magnolia Ballroom E, F & G*)
Moderator: George Kasparian, MD, PhD, *Lahey Clinic*

- 10:12 am – 10:24 am Physician Burnout and Stress: Catastrophe or Opportunity?
*Alexander Vaccaro, MD, PhD, MBA, Rothman Institute at Thomas
Jefferson University Hospital*
- 10:24 am – 10:32 am Ketorolac Use in the Elite Athlete Medical & Ethical Implications
Matthew J. Matava, MD, Washington University School of Medicine
- 10:32 am – 10:42 am Discussion & Case Presentations

Session 9 – Howard Steel Lecturer (*Magnolia Ballroom E, F & G*)

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

- 10:42 am – 10:47 am Introduction of Howard Steel
Javad Parvizi, MD, FRCS, Rothman Institute at Thomas Jefferson University Hospital
- 10:47 am – 11:18 am Is There an Avatar in the House: Changing the DNA of Healthcare in the Age of AI
Stephen K. Klasko, MD, MBA, Jefferson Health

Symposium 10 – Business School Primer for the Orthopaedist: How to Succeed with Your Colleagues & Administration (*Magnolia Ballroom E, F & G*)

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

- 11:18 am – 11:26 am Reduce Readmissions and How to Obtain a Good Contract for Employment
Michael P. Ast, MD, Hospital for Special Surgery
- 11:26 am – 11:34 am Maximizing CPT and ICD-10 Codes: Understanding the Rules
William R. Beach, MD, Tuckahoe Orthopaedic Associates
- 11:34 am – 11:42 am Utilizing Your Physician Assistant to Maximize Income
Brian A. Jewett, MD, Slocum Orthopedics
- 11:42 am – 11:52 am Discussion

Focused Lunch Presentation (*Magnolia Ballroom E, F & G*)

- 11:52 am – 12:22 pm WRS
Point of Care Dispensing Model

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*
Douglas E. Padgett, MD, *Hospital for Special Surgery*
Giles R. Scuderi, MD, *Northwell Orthopedic Institute*
Neil P. Sheth, MD, *Hospital of the University of Pennsylvania*

- 12:24 pm – 12:28 pm Do Relaxation Exercises Decrease Postoperative Pain after Rotator Cuff Repair?
Danielle G. Weekes, MD, Rothman Institute, Egg Harbor Township
- 12:28 pm – 12:32 pm Opioid Use Patterns after Total Joint Arthroplasty
Andrea Stone, MSN, CRNP, Anne Arundel Medical Center
- 12:32 pm – 12:36 pm Incidence of Chronic Opioid Use Following Arthroscopic Rotator Cuff Repair
Michael J. DeFrance, DO, Rowan University
**Presented by Sundeep Saini, MD*

- 12:36 pm – 12:44 pm Discussion
- 12:44 pm – 12:48 pm Opioid Dependence in TSA: What Can Orthopedic Surgeons Do?
Kiran Chatha, MD, Cleveland Clinic, Florida
- 12:48 pm – 12:52 pm Does Liposomal Bupivacaine Provide Better Outcomes Compared to Ropivacaine in Chronic Opioid Users Undergoing Total Knee Arthroplasty?
Samik Banerjee, MBBS, MS, MRCGS, Albany Medical Center
**Presented by Abdul R. Arain, MD*
- 12:52 pm – 12:56 pm Counseling and Opioid Consumption after Hand Surgery: A Prospective Randomized Trial
Talia Chapman, MD, Rothman Institute at Thomas Jefferson University Hospital
- 12:56 pm – 1:02 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*

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

- 12:24 pm – 12:28 pm Stress Fractures of the Elbow in the Throwing Athlete
Shelby K. Smith, BS, Rothman Institute at Thomas Jefferson University Hospital
**Presented by Alex E. White, BA*
- 12:28 pm – 12:32 pm Hypertrophic Sublime Tubercle in Elbow Ulnar Collateral Ligament Injuries
Michael C. Fu, MD, MHS, Hospital for Special Surgery
- 12:32 pm – 12:36 pm Biomechanics of UCL Docking Reconstruction versus Repair with Internal Bracing
Blake M. Bodendorfer, MD, Georgetown University Medical Center
- 12:36 pm – 12:44 pm Discussion
- 12:44 pm – 12:48 pm Medial Elbow Instability Resulting from Partial Tears of the Ulnar Collateral Ligament: Stress Ultrasound in a Cadaveric Model
Michael C. Ciccotti, MD, Rothman Institute at Thomas Jefferson University Hospital
- 12:48 pm – 12:52 pm **NJOS Travel Grant Award**
Medical Malpractice in Orthopedic Surgery: A WestLaw-Based Demographic Analysis
Nicole Rynecki, BA, Rutgers New Jersey Medical School

12:52 pm – 12:56 pm Open Elbow Fractures Associated with Higher Post-Operative
Complication Rate
Isabella Bianco, BA, NYU Langone Orthopedic Hospital
**Presented by Jessica Mandel, BA*

12:56 pm – 1:02 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 J. Moskal, MD, *Shoulder & Elbow Center, PSC*
Ilya Voloshin, MD, *University of Rochester Medical Center*

12:24 pm – 12:28 pm Effect of Preoperative Patient Expectations on Outcomes Following
Reverse Shoulder Arthroplasty
Ryan Rauck, MD, Hospital for Special Surgery

12:28 pm – 12:32 pm Outpatient Total Shoulder Arthroplasty
Steven Rayappa, MD, Albany Medical College
**Presented by Connor W. Sullivan, MD*

12:32 pm – 12:36 pm Outcomes Using Superior Augmented Baseplates in Reverse Shoulder
Arthroplasty
Lindsey G. Liuzza, MD, NYU Langone Orthopedic Hospital

12:36 pm – 12:44 pm Discussion

12:44 pm – 12:48 pm Arthroscopic Shoulder Stabilization in the Young Athlete: Return to Sport
Jacob Calcei, MD, Hospital for Special Surgery

12:48 pm – 12:52 pm **Resident Travel Grant Award**
National Trends in Orthopaedic Surgery Resident Adult Case Logs
*Todd P. Pierce, MD, Seton Hall University School of Health and Medical
Sciences*

12:52 pm – 12:56 pm Receiver Operating Characteristics for Total Shoulder Arthroplasty Risk
Prediction Models
Michael C. Fu, MD, MHS, Hospital for Special Surgery

12:56 pm – 1:02 pm Discussion

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

Moderators: Joshua A. Baumfeld, MD, *Lahey Clinic*
Thomas R. Bowen, MD, *Geisinger Medical Center*
John D. Kelly IV, MD, *University of Pennsylvania*
Mark J. Lemos, MD, *Lahey Hospital & Medical Center*

12:24 pm – 12:28 pm Comparison of Three Pain Control Strategies for Pediatric ACL Surgery
Gary M. Kiebzak, PhD, Nemours Childrens Hospital
**Presented by Lisgelia Santana-Rojas, MD*

- 12:28 pm – 12:32 pm Differences in ACL Reconstruction Techniques Based on Fellowship Training
Timothy Mulry, DO, Northwell Health
- 12:32 pm – 12:41 pm Discussion
- 12:41 pm – 12:45 pm The Effect of Graft Selection on Patients' Subjective Readiness to Return to Activities after ACL Reconstruction
Weilong J. Shi, MD, Emory University
- 12:45 pm – 12:49 pm Clinical Outcomes Following ACL Reconstruction with Quadriceps Tendon Autografts
Harris S. Slone, MD, Medical University of South Carolina
- 12:49 pm – 12:53 pm Use of Rotationplasty for Pediatric Trauma and Significant Physeal Injuries
Kristina Barber, BA, University of Colorado School of Medicine
- 12:53 pm – 1:02 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*
Arjun Saxena, MD, *Trenton Orthopaedic Group*

- 12:24 pm – 12:28 pm Effect of Cigarette Smoking on Patient Reported Outcomes in Hip Arthroscopy
Benjamin G. Domb, MD, American Hip Institute
**Presented by Ajay Lall, MD, MS*
- 12:28 pm – 12:32 pm Long-Term Outcomes of Unstable Pelvic Fractures Requiring Iliosacral Screw Fixation
Kyle Hildebrandt, BS, NYU Langone Orthopaedic Hospital
- 12:32 pm – 12:36 pm Effect of Alcohol Consumption on Patient Reported Outcomes in Hip Arthroscopy
Benjamin G. Domb, MD, American Hip Institute
**Presented by Ajay Lall, MD, MS*
- 12:36 pm – 12:44 pm Discussion
- 12:44 pm – 12:48 pm Obese Patients Undergoing Total Hip Arthroplasty: Anterior versus Posterior Approach
William D. Zelenty, MD, MedStar Georgetown University Hospital
**Presented by Eric N. Windsor, MS*
- 12:48 pm – 12:52 pm General Anesthesia Increases Complications Following Hip Fracture Surgery
Andrew Tyler, MD, PhD, University of Pennsylvania

12:52 pm – 12:56 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, BS, Peachtree Orthopedics

12:56 pm – 1:02 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, MBA, *Wake Forest University School of Medicine*

12:24 pm – 12:28 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*

12:28 pm – 12:32 pm Open Labral Reconstruction Improves FAI Outcomes after Failed Hip
Preservation
Zlatan Cizmic, MD, New York University Langone Orthopedic Hospital
**Presented by Jonathan M. Vigdorichik, MD*

12:32 pm – 12:36 pm Are Ball and Socket Disc Replacements Fusing with and without
Radiographic Evidence
Fabio Pencle, MBBS, Less Exposure Surgery Society

12:36 pm – 12:46 pm Discussion

12:46 pm – 12:50 pm Midterm Results of Radiographic and Functional Outcomes after
Tibiototalcalcanal Arthrodesis
*Ryan Rogero, BS, Rothman Institute at Thomas Jefferson University
Hospital*
**Presented by Daniel J. Fuchs, MD*

12:50 pm – 12:54 pm Projections for Total Ankle Arthroplasty Based upon the National Inpatient
Sample
Justin M. Rabinowitz, MD, Medical University of South Carolina

12:54 pm – 1:02 pm Discussion

Rapid Fire Session 4G – Spine (*Magnolia Ballroom C*)

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*

12:24 pm – 12:28 pm Surgeon Compensation by Time in ACDF versus Cervical Disc
Arthroplasty

Gregory J. Kirchner, MPH, Drexel University College of Medicine
**Presented by Yehuda "Yudi" Kerbel, MD*

- 12:28 pm – 12:32 pm Factors that Increase Risk for Postoperative Urinary Retention after Elective Laminectomy
Aris D. Yannopoulos, MD, Saint Francis Hospital & Medical Center
- 12:32 pm – 12:41 pm Discussion
- 12:41 pm – 12:45 pm Recovery of Strength Affected By Number of Levels After ACDF
John Mangan, MD, Rothman Institute at Thomas Jefferson University Hospital
**Presented by David Casper, MD*
- 12:45 pm – 12:49 pm Inpatient versus Outpatient Cervical Total Disc Replacement: A Comparison of 30-Day Postoperative Outcomes
Dale N. Segal, MD, Emory University
**Presented by Weilong J. Shi, MD*
- 12:49 pm – 12:53 pm The Arrival of Robotics in Spine Surgery: Review of Literature
Alexander Ghasem, MD, University of Miami
**Presented by Akhil Sharma, BS*
- 12:53 pm – 1:02 pm Discussion

Rapid Fire Session 4H – Trauma (*Cumberland Ballroom A*)

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

Lisa K. Cannada, MD, *Professor and Program Director, University of Florida, Jacksonville*

Michael Suk, MD, JD, MPH, MBA, FACS, *Geisinger Health System*

- 12:24 pm – 12:28 pm Association between Fracture Laterality and Nerve Injury Among Pediatric Supracondylar Humerus Fractures
Diana G. Douleh, MD, University of Colorado Hospital
- 12:28 pm – 12:32 pm Fragility in the Management of Clavicle Fractures: A Systematic Review
Joseph Ruzbarsky, MD, Hospital for Special Surgery
- 12:32 pm – 12:36 pm The Distal Locking Screw Is Not Necessary for Stable Intertrochanteric Fractures
Julianne Forlizzi, MD, Rutgers Robert Wood Johnson University Hospital
- 12:36 pm – 12:44 pm Discussion
- 12:44 pm – 12:48 pm Delayed Primary Closure of Fasciotomy Incisions after Tibia Fracture
John Nolan, MD, MS, University of Vermont Medical Center
- 12:48 pm – 12:52 pm Predicting Patient-Reported Outcomes in Tibia Fractures Treated with Intramedullary Nails
Jeffrey Shroff, MD, University of Rochester Medical Center

- 12:52 pm – 12:56 pm Orthopaedic Trauma Quality Measures for Value Based Healthcare Delivery
Malcolm DeBaun, MD, Stanford University
**Presented by Edward J. Wu, MD*
- 12:56 pm – 1:02 pm Discussion
- 1:02pm – 2:02 pm **Scientific E-Poster Session** (*Talbot A, Talbot B, Ossabaw A, Ossabaw B, Cumberland Ballroom B, Cumberland Ballroom A*)
(Presenters are available to answer questions.)
- 2:02pm – 4:32 pm **Multimedia Education Session** (*Magnolia Ballroom Foyer*)

Resident Review Course (*Magnolia Ballroom E, F & G*)

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, *Professor and Program Director, University of Florida, Jacksonville*

Charles Cassidy, MD, *Tufts Medical Center*

Lawrence S. Miller, MD, *Cooper Bone & Joint Institute*

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

- 1:04 pm – 1:59 pm Hand & Wrist
Marc J. Richard, MD, Duke University Medical Center
- 1:59 pm – 2:54 pm Orthopaedic Oncology
Ginger E. Holt, MD, Vanderbilt Orthopaedic Institute
- 2:54 pm – 3:04 pm Refreshment Break
- 3:04 pm – 3:59 pm Foot & Ankle
Steven L. Haddad, MD, Illinois Bone and Joint Institute
- 3:59 pm – 4:54 pm Total Hip & Total Knee Arthroplasty
Edward J. McPherson, MD, FACS, LA Orthopedic Institute

Resident Bowl Competition – Hosted by New Jersey Orthopedics (*Cumberland Ballroom A*)

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, *Professor and Program Director, University of Florida, Jacksonville*

Charles Cassidy, MD, *Tufts Medical Center*

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

- 4:55 pm – 5:05 pm Refreshment Break
- 5:05 pm – 5:15 pm Resident Bowl Individual Test

5:15 pm – 5:39 pm Team Resident Competition

Preparing for Practice - Residents and Fellows

Moderator: Richard M. Wilk, MD, *Brigham & Women's Hospital*
 Bruce A. Monaghan, MD, *Advanced Orthopaedics Centers*

Facilitators: Michael P. Ast, MD, *Hospital for Special Surgery*
 Cynthia L. Emory, MD, MBA, *Wake Forest University School of Medicine*
 Adam J. Rana, MD, *Maine Medical Partners*

5:43 pm – 6:28 pm Group 1 - Intern & PGY2 (*Talbot Room A*)

Title

Group 2 - PGY3 & PGY4 (*Talbot Room B*)

Title

Group 3 – Chief Resident and Fellows (*Ossabaw Room A*)

Title