EOA Scientific Program
October 21-23, 2021
Broadway Ballroom E
(Unless Otherwise Specified)
Omni Nashville Hotel
Nashville, TN

(Presenters and times are subject to change)

Thursday, October 21

6:00 am – 6:45 am  Scientific E-Poster Session (Broadway Ballroom A, B, C, D, G)
(Presenters will be available to answer questions)

6:45 am – 7:00 am  First Business Meeting

7:00 am – 7:05 am  Welcome, Introduction of Program & Announcements
Marc J. Levine, MD, President
Joshua A. Baumfeld, MD, Program Chair

Symposium 1 – Regulatory Insights for TJA Practice
Moderator: Richard Iorio, MD, Brigham and Women’s Hospital

7:05 am – 7:15 am  Outpatient TJA
Kevin D. Plancher, MD, MPH, MS, Albert Einstein College of Medicine

7:15 am – 7:25 am  Trends in LOS, Readmissions, and Quality with the IPO Rule
Derek Haas, Avant-Guard Health

7:25 am – 7:35 am  Improving Arthroplasty Efficiency and Quality through
Concentrating Service Volume by Complexity
Richard Iorio, MD, Brigham and Women’s Hospital

7:35 am – 7:45 am  CMS, RUC and Reconciliation: Where Did the Money Go?
Joseph A. Bosco III, MD, NYU Langone Health

7:45 am – 8:00 am  Discussion

8:05 am – 8:35 am  Focused Breakfast Presentation
*CME Credit Not Available

Rapid Fire Session 1A – Basic Science (Broadway Ballroom A)
Moderators: Robert P. Boran Jr., MD, Lehigh Valley Physicians Group
Marc J. Levine, MD, Orthopedic and Spine Institute at RWJ / Barnabas
8:40 am – 8:44 am  **EOEF Resident Travel Grant Award**
787 - Contact with Blood Does Not Affect Bactericidal Properties of Povidone-Iodine  
*Ilan Small, Rothman Orthopaedic Institute*

8:44 am – 8:48 am  329 - An Evaluation of the Bacterial Adherence to Casting Materials  
*Joseph E. Massaglia, DO, Rowan School of Osteopathic Medicine*

8:48 am – 8:52 am  509 - Cell Lineage Tracing in a Spine Fusion Model  
*Michael A. Benvenuti, MD, Vanderbilt University Medical Center*

8:52 am – 8:55 am  Discussion

8:55 am – 8:59 am  595 - Efficacy of Surgical Irrigation Solutions Against Biofilm: In vitro Investigation  
*Jeongeun Cho, Rothman Orthopaedic Institute*  
*Presented by Emanuele Chisari, MD*

8:59 am – 9:03 am  241 - Bioengineered Collagen-Based Implant with Organized Microfibers Improve Tendon-Like Tissue Biointegration  
*Sheldon S. Lin, MD, New Jersey Medical School*

9:03 am – 9:07 am  492 - Local Zinc Treatment Enhances Impaired Bone Healing in Femur Fracture Model in Diabetic Rats  
*Michael Levidy, New Jersey Medical School*

9:07 am – 9:10 am  Discussion

**Rapid Fire Session 1B – Foot & Ankle** (*Broadway Ballroom B*)  
**Moderators:** Sameh A. Labib, MD, *Emory University*  
Elizabeth A. Martin, MD, ScM, *Brigham and Women's Hospital*

8:40 am – 8:44 am  230 - Increased Complication Rate Associated with Podiatric Surgery  
*Caroline P. Hoch, BS, Medical University of South Carolina*

8:44 am – 8:48 am  625 - No Evidence of Bone-Healing Impairment or NSAID-Related Toxicity With HTX-011  
*Peter K.Sculco, MD, Hospital for Special Surgery*  
*Presented by Michelle Ouellette*

8:48 am – 8:52 am  44 - Tranexamic Acid Associated with Less Wound Complications in Hindfoot Surgery
Andrew Moore, BS, Medical University of South Carolina

8:52 am – 8:55 am  Discussion

8:55 am – 8:59 am  **EOEF Resident Travel Grant Award**

290 - Effect of Limb Rotation on Hindfoot Moment Arm and
Hindfoot Alignment Angle

*Ryan G. Rogero, MD, Rothman Orthopaedic Institute*

8:59 am – 9:03 am  843 - Synthetic Cartilage Implant Hemiarthroplasty for the
Treatment of Hallux Rigidus

*Tyler Hoskins, BA, Morristown Medical Center*

*Presented by James C. Wittig, MD*

9:03 am – 9:07 am  877 - Defining Reference Values for the Anatomical Axis of
Syndesmosis and Landmark for the Clamp Placement to Minimize
Malreduction

*Rohan Bhimani, MD, MBA, Massachusetts General Hospital*

9:07 am – 9:10 am  Discussion

**Rapid Fire Session 1C – Hand & Wrist (Broadway Ballroom C)**

**Moderators:** N. George Kasparyan, MD, PhD, Lahey Health
Kevin D. Plancher, MD, MPH, Albert Einstein College of Medicine

8:40 am – 8:44 am  515 - Does Surgery Improve Healing after Isolated Diaphyseal
Ulna Fractures?

*Tyler W. Henry, BS, Sidney Kimmel Medical College*

*Presented by Terence L. Thomas Jr., BS*

8:44 am – 8:48 am  458 - The Efficacy of Steroid Injections in the Thumb
Carpometacarpal Joint

*Amr M. Tawfik, BA, Rothman Orthopaedic Institute*

8:48 am – 8:52 am  **EOEF Bruce A. Monaghan, MD Donor Grant**

835 - Unplanned Office Visits following Outpatient Hand Surgery

*Clay Townsend, BS, Rothman Institute*

8:52 am – 8:55 am  Discussion

8:55 am – 8:59 am  **EOEF Kevin D. Plancher, MD, MPH Donor Grant**

169 - The Financial Implications of Telehealth Visits within a
Hand and Wrist Surgery Clinical Practice during the COVID-19
Pandemic

*Madeline Tadley, MD, Thomas Jefferson University Hospital*

*Presented by Terence L. Thomas Jr., BS*
8:59 am – 9:03 am 494 - Prolonged Opioid Use after Surgery for Distal Radius Fracture
Michael B. Gottschalk, MD, Emory University School of Medicine
*Presented by Alexander M. Dawes, BS

9:03 am – 9:07 am EOEF Henry A. Backe Jr., MD Donor Grant
946 - Nail Bed Injury Repair: Nail Plate Replacement vs. Non-Replacement
Justin M. Rock, MD, Rutgers New Jersey Medical School

9:07 am – 9:10 am Discussion

Rapid Fire Session 1D – Pediatrics (Broadway Ballroom D)

Moderators: L. Andrew Koman, MD, Wake Forest University
Kevin M. Neal, MD, Nemours Children’s Health

8:40 am – 8:44 am 579 - Rate of Revision Hip Arthroscopy for Pediatric Femoroacetabular Impingement
Edward S. Mojica, BS, New York University Langone
*Presented by Teren Yedikian, MS, BS

8:44 am – 8:48 am 149 - TLICS Predicts Concomitant Intraabdominal Injury in Children Injured in MVAs
Katherine D. Sborov, Vanderbilt University School of Medicine

8:48 am – 8:53 am Discussion

8:53 am – 8:57 am EOEF Resident Travel Grant Award
199 - Sports-Related Concussions in High School Females: An Epidemiologic Analysis of 20-Year National Trends Pediatrics
Kevin Pirruccio, BA, School of Medicine at the University of Pennsylvania

8:57 am – 9:01 am 572 - Diagnostic Yield of Cultures in Pediatric Musculoskeletal Infections
Edward S. Mojica, BS, New York University Langone
*Presented by Teren Yedikian, MS, BS

9:01 am – 9:05 am 119 - External Oblique Transfer to Supplement Osteotomy in Paralytic Hip Instability
Matthew J. Poorman, MD, UMass Memorial Medical Center

9:05 am – 9:10 am Discussion

Rapid Fire Session 1E – Tumor (Broadway Ballroom G)
Moderators: Megan E. Anderson, MD, Boston Children’s Hospital  
Cynthia L. Emory, MD, MBA, Wake Forest University School of Medicine

8:40 am – 8:44 am 689 - Subchondral Bone Grafting in Giant Cell Tumor of the Extremity Reduces Nononcological Complications  
*Presented by Brock W. Adams, MD

8:44 am – 8:48 am 584 - Can Low-Grade Chondrosarcoma in Flat Bone be Treated with Intrallesional Curettage and Cryotherapy?  
*Presented by Courtney Toombs, MD, Yale New Haven Hospital

8:48 am – 8:52 am 18 - Percutaneous Ablation-Osteoplasty-Reinforcement-Internal Fixation (AORIF) for Peri-Acetabular Metastases

8:52 am – 8:55 am Discussion

8:55 am – 8:59 am **EOEF Cynthia L. Emory, MD, MBA Donor Grant**  
75 - Epidemiology, Incidence, Survival of Spinal Cord Ependymoma: SEER Database Study  
*Presented by Courtney Toombs, MD

8:59 am – 9:03 am 17 - A Nationwide Analysis of Pediatric Soft Tissue Sarcomas of Bone  
*Presented by Courtney Toombs, MD

9:03 am – 9:07 am 687 - 40 Years of Treating Osteosarcoma: Has Treatment and Survival Improved?  
*Presented by Courtney Toombs, MD

9:07 am – 9:10 am Discussion

9:10 am – 9:30 am **BREAK – Please visit Exhibits (Broadway Ballroom West)**

General Session 1 – OREF Report & EOEF Presidential Guest Speaker  
Moderator: Marc J. Levine, MD, Orthopedic and Spine Institute at RWJ / Barnabas Healthcare System

9:30 am – 9:35 am OREF Report

9:35 am – 9:40 am Introduction of EOEF Presidential Guest Speaker  
*Presented by Courtney Toombs, MD, Yale New Haven Hospital*
9:40 am – 10:20 am  
EOEF Presidential Guest Speaker  
EOA Presidential Guest Talk  
Scott D. Boden, MD, Emory Spine Center

10:20 am – 10:40 am  
**BREAK – Please visit Exhibits** *Broadway Ballroom West*

**Symposium 2 – Complex Primary TKA**

**Moderators:** Geoffrey H. Westrich, MD, *Hospital for Special Surgery*

10:40 am – 10:48 am  
TKA with History of Osteotomy or Fracture  
*Wayne E. Moschetti, MD, Dartmouth-Hitchcock Orthopaedics*

10:48 am – 10:56 am  
Severe Varus Deformity  
*Amar S. Ranawat, MD, Hospital for Special Surgery*

10:56 am – 11:04 am  
Severe Valgus Deformity  
*Neil P. Sheth, MD, University of Pennsylvania*

11:04 am – 11:12 am  
Extra-Articular Deformities  
*Geoffrey H. Westrich, MD, Hospital for Special Surgery*

11:12 am – 11:20 am  
Case Presentation and Discussion  
*Geoffrey H. Westrich, MD, Hospital for Special Surgery*

11:20 am – 11:30 am  
Discussion

11:35 am – 12:05 pm  
**Focused Lunch Presentation**  
*CME Credit Not Available*

**Concurrent Session 1A – Hand & Wrist** *Broadway Ballroom E*

**Moderator:** N. George Kasparyan, MD, PhD, *Lahey Health*

12:10 pm - 12:18 pm  
Bridge Plating for Complex Distal Radius Fractures  
*Marc J. Richard, MD, Duke University*

12:18 pm – 12:26 pm  
ORIF of the Complex Intra-Articular Distal Radius Fracture: Key Pearls  
*Eric T. Tolo, MD, Lahey Hospital and Medical Center*

12:26 pm – 12:34 pm  
Acute Scapholunate Ligament Tear: What is the State-of-the-Art Today?  
*Julie Adams, MD, University of Tennessee College of Medicine, Chattanooga*

12:34 pm – 12:42 pm  
Opioids and Upper Extremity Surgery: What is the Best Practice?
Alice A. Hunter, MD, Lahey Health

12:42 pm – 12:50 pm Basal Joint Arthritis 2021: LRTI – 35 Years Later
N. George Kasparyan, MD, PhD, Lahey Health

12:50 pm – 12:58 pm Cubital Tunnel Surgery 2021: Do We Really Know the Preferred Technique?
Bruce A. Monaghan, MD, Premier Orthopaedic and Sports Medicine Associates

12:58 pm – 1:10 pm Discussion

Concurrent Session 1B – Tumor (Broadway Ballroom A & B)
Moderator: Cynthia L. Emory, MD, MBA, Wake Forest University School of Medicine

12:10 pm – 12:20 pm How to Stay Out of Trouble
Cynthia L. Emory, MD, MBA, Wake Forest University School of Medicine

12:20 pm – 12:30 pm Pediatric Tumors: What’s Likely to Come into Your Practice and Initial Management
Megan E. Anderson, MD, Boston Children’s Hospital

12:30 pm – 12:40 pm Tumor Mimics
Sheila A. Conway, MD, University of Miami School of Medicine

12:40 pm – 12:50 pm Operative Treatment of Metastatic Disease
Cynthia L. Emory, MD, MBA, Wake Forest University School of Medicine

12:50 pm – 1:00 pm What’s New in Leg Length Deformity Correction?
Speaker TBD

1:00 pm – 1:10 pm Discussion

General Session 2 – Appropriate Site of Service: Understanding How to Optimize Orthopaedic Care
Moderator: Neil P. Sheth, MD, University of Pennsylvania

1:10 pm – 1:20 pm The Hospital, the ASC, the Office: How to Know When Each is Best
Michael P. Ast, MD, Hospital for Special Surgery

1:20 pm – 1:30 pm The Orthopaedic Specialty Hospital: Why It Makes Sense and How to Work with Your Health System
Scott D. Boden, MD, Emory Spine Center
The View of the Orthopaedic Service Line: Optimizing Site of Service Across your Department
*Cynthia L. Emory, MD, MBA, Wake Forest University School of Medicine*

1:40 pm – 2:00 pm
Discussion

2:00 pm – 2:20 pm  **BREAK – Please visit Exhibits** *(Broadway Ballroom West)*

**Concurrent Session 2A – Total Hip** *(Broadway Ballroom E)*

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

2:20 pm – 2:28 pm  The Spinopelvic Relationship in Total Hip Replacement: Simplified Definitions
* Amar S. Ranawat, MD, Hospital for Special Surgery

2:28 pm – 2:36 pm  Dual Mobility in Patients with Lumbar Spine Fusion
* Geoffrey H. Westrich, MD, Hospital for Special Surgery

2:36 pm – 2:44 pm  TJA Infection 2021
* Javad Parvizi, MD, Rothman Orthopaedic Institute

2:44 pm – 2:52 pm  THA in Hip Dysplasia
* Michael P. Bolognesi, MD, Duke University

2:52 pm – 3:00 pm  Avoiding the Learning Curve with Anterior THA
* John Keggi, MD, St. Mary’s Hospital

3:00 pm – 3:15 pm  Discussion

**Concurrent Session 2B – Spine: Today’s Standards & Where Are We Going?** *(Broadway Ballroom A & B)*

**Moderator:** Marc J. Levine, MD, Orthopedic and Spine Institute at RWJ / Barnabas Healthcare System

2:20 pm – 2:28 pm  Current Concepts in Spine Deformity
* Andrew H. Milby, MD, Emory University

2:28 pm – 2:36 pm  Spine Trauma
* Michael Vives, MD, Rutgers University

2:36 pm – 2:44 pm  Degenerative Lumbar Spine
* Byron F. Stephens, MD, Vanderbilt University

2:44 pm – 2:52 pm  Endoscopic Spine Surgery
Raymond Gardocki, MD, Vanderbilt University

2:52 pm – 3:00 pm  Pediatric Scoliosis  
Suken A. Shah, MD, Nemours Children’s Health System

3:00 pm – 3:08 pm  Biologics  
Scott D. Boden, MD, Emory Spine Center

3:08 pm – 3:15 pm  Discussion

Rapid Fire Session 2A – Shoulder Arthroplasty (Broadway Ballroom A)  
Moderators:  Srinath Kamineni, MD, University of Kentucky  
Scott P. Steinmann, MD, UTHSC College of Medicine

3:20 pm – 3:24 pm  383 - Interscalene Block with Liposomal and Plain Bupivacaine in Shoulder Arthroplasty  
Uchenna Umeh, MD, New York University Langone Hospital  
*Presented by Mandeep Virk, MD

3:24 pm – 3:28 pm  **EOEF Resident Travel Grant Award**  
401 - A Validated Predictive Tool for Discharge to Post-Acute Care after Shoulder Arthroplasty  
Daniel E. Goltz, MD, MBA, Duke University

3:28 pm – 3:32 pm  761 - Arthroplasty Costs Excluding Implants: Anatomic Total Shoulder vs Reverse Shoulder Arthroplasty  
Christopher Fang, MD, New England Baptist Hospital

3:32 pm – 3:35 pm  Discussion

3:35 pm – 3:39 pm  298 - Aseptic Reoperation following Shoulder Arthroplasty Increases Risk of Prosthetic Joint Infection  
John Wickman, MD, MBA, Duke University Hospital  
*Presented by Daniel E. Goltz, MD, MBA

3:39 pm – 3:43 pm  337 - Patient’s Willingness and Concerns for Discharge after Shoulder Arthroplasty  
Kevin M. Magone, MD, NYU Langone Orthopaedic Hospital  
*Presented by Mandeep Virk, MD

3:43 pm – 3:47 pm  84 - Corticosteroid Injections and Risk of Revision in Shoulder Arthroplasty  
Monica Stadecker, MD, MBA, George Washington University  
*Presented by Amil R. Agarwal, BA

3:47 pm – 3:50 pm  Discussion
Rapid Fire Session 2B – Trauma *(Broadway Ballroom B)*

**Moderators:** Anthony J. Scillia, MD, *Seton Hall University*
Craig Wright, MD, *New Jersey Orthopaedics Institute*

3:20 pm – 3:24 pm  
**EOEF / OREF Resident Travel Grant Award**  
179 - Are CT Scans Needed for Evaluation of Femoral Gunshot Wounds?  
*Heather Flynn, MD, Temple University Hospital*

3:20 pm – 3:24 pm  
**New Jersey Orthopaedic Society Resident Award**  
474 - Besides Delay, What Else Increases Mortality following Hip Fracture Surgery?  
*Richard A. Pizzo, DO, Jersey City Medical Center*  
*Presented by Erick Heiman, DO*

3:28 pm – 3:33 pm  
Discussion

3:33 pm – 3:37 pm  
47 - THA vs. Hemiarthroplasty for Fracture in Patients with Lumbosacral Fusion  
*Tom Pollard, MD, George Washington University*  
*Presented by Amil R. Agarwal, BA*

3:37 pm – 3:41 pm  
514 - Fixation vs. Replacement of Femoral Neck Fractures in 40 to 59-Year-Olds  
*Corey A. Jones, MD, Emory University*

3:41 pm – 3:45 pm  
65 - A Seven-Year Perspective on Hip Fracture Management in New York State: Do Level 1 Trauma Centers Provide Better Care?  
*Andrew D. Posner, MD, Albany Medical College*

3:45 pm – 3:50 pm  
Discussion

Rapid Fire Session 2C – Sports Medicine *(Broadway Ballroom C)*

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

3:20 pm – 3:24 pm  
746 - Repairing Lateral Meniscus Tears in Patients with Anterior Cruciate Ligament Reconstruction Ensures Low Rate of Symptomatic OA Compared to Lateral Meniscectomy at Nine-Year Follow-Up Sports  
*Kevin D. Plancher, MD, MPH, MS, Albert Einstein College of Medicine*

3:24 pm – 3:28 pm  
**EOEF John D. Kelly IV, MD Donor Grant**
577 - Biomechanical Evaluation of Over-The-Top Femoral Fixation Technique for ACL Reconstruction
Heath P. Gould, MD, MedStar Orthopaedic Institute

3:28 pm – 3:32 pm
641 - Peroneal Nerve Involvement in Multi-Ligamentous Knee Injury: A Multi-Center Study
Danielle H. Markus, BA, NYU Langone Health

3:32 pm – 3:35 pm
Discussion

3:35 pm – 3:39 pm
803 - Risk Factors for Infections following Arthroscopic Rotator Cuff Repair
Neil Patel, MD, Ann and Robert H. Lurie Children's Hospital of Chicago
*Presented by Francis Rosato

3:39 pm – 3:43 pm
609 - Physician Pay and Insurance Reimbursement: A Look from the Patient’s Perspective
Iciar M. Davila Castrodad, MD, St. Joseph's University Medical Center

3:43 pm – 3:47 pm
676 - Absorbable vs. Non-Absorbable Sutures for the Treatment of Knee Arthroscopy
Donghoon Lee, BS, Rothman Orthopaedic Institute
*Presented by Shyam Brahmbhatt, MD

3:47 pm – 3:50 pm
Discussion

Rapid Fire Session 2D – Total Joint/Total Knee Arthroplasty (Broadway Ballroom D)
Moderator: Amar S. Ranawat, MD, Hospital for Special Surgery

3:20 pm – 3:24 pm
EOEF Michael P. Ast, MD Donor Grant
131 - Do Physicians Overestimate Radiographic Findings in Patients Undergoing Knee Arthroplasty?
James J. Gregory, MD, Dartmouth-Hitchcock Medical Center

3:24 pm – 3:28 pm
106 - Meloxicam has Equivalent Safety Profile as Celecoxib, but is Less Costly, for Postoperative Analgesia after Total Knee Arthroplasty
Amer Haffar, BS, Rothman Orthopaedic Institute

3:28 pm – 3:32 pm
EOEF / OREF Resident Travel Grant Award
846 - Outcomes and Patient Satisfaction after TKA are Not Associated with Implant Manufacturer
Adam W. Green, MD, University of Massachusetts Medical Center
3:32 pm – 3:37 pm  Discussion

3:37 pm – 3:41 pm  108 - One Day Knee: Clinical Transformation Project
Vijayakrishnan Poondi Srinivasan, MS, Maine Medical Center

3:41 pm – 3:45 pm  **EOEF Amar S. Ranawat, MD Donor Grant**
604 - 30 Days of Aspirin Adequate as VTE Prophylaxis following TKA
Noam Shohat, MD, Rothman Orthopaedic Institute
*Presented by Leanne Ludwick, BS

3:45 pm – 3:50 pm  Discussion

**Rapid Fire Session 2E – Spine (Broadway Ballroom G)**
**Moderator:**  Suken A. Shah, MD, Nemours Children’s Health System

3:20 pm – 3:24 pm  **EOEF Resident Travel Grant Award**
972 - A Modified Method of Triggered Electromyography Monitoring in Minimally Invasive Spine Surgery: Comparison to Conventional Techniques and Correlation with Body Mass Index
Andrew Moon, MD, Tufts University School of Medicine

3:24 pm – 3:28 pm  **EOEF Resident Travel Grant Award**
96 - A Clinical Calculator to Predict Survival in Elderly Spine Trauma Patients
Catherine R. Carlile, MD, Vanderbilt University Medical Center

3:28 pm – 3:32 pm  66 - Prospective Randomized Control Trial of Tranexamic Acid Infusion during Elective Spine Surgery, Preliminary Results
Andrew D. Posner, MD, Albany Medical College

3:32 pm – 3:35 pm  Discussion

3:35 pm – 3:39 pm  781 - The Diagnostic Utility of Biomarkers for Spinal Infection
Francis J Sirch, BS, Rothman Orthopedic Institute

3:39 pm – 3:43 pm  266 - Open vs. Minimally-Invasive Transforaminal Lumbar Interbody Fusion: A Matched Cohort Analysis with Five-Year Follow-Up
Daniel Coban, MD, St. Joseph’s University Medical Center

3:43 pm – 3:47 pm  521 - Comparison of Clinical Guidelines for Reimbursement for Intraoperative Neuromonitoring During Spine Surgery in the United States
Daniel C. Berman, MD, Montefiore Medical Center/Jacobi Hospital
Presented by Megan M. Mizera, MD

3:47 pm – 3:50 pm Discussion

3:50 pm – 4:50 pm Scientific E-Poster Session (Broadway Ballroom A, B, C, D, G) (Presenters will be available to answer questions)

4:50 pm – 5:50 pm Multimedia Education Session (South Foyer Registration Counter)

Friday, October 22

6:00 am – 7:00 am Scientific E-Poster Session (Broadway Ballroom A, B, C, D, G) (Presenters will be available to answer questions)

7:00 am – 7:05 am Announcements
Joshua A. Baumfeld, MD, Program Chair

Symposium 3 – Transitioning to Outpatient TJA
Moderator: Michael P. Ast, MD, Hospital for Special Surgery

7:05 am – 7:13 am How COVID Turned Me into an Outpatient Surgeon
Geoffrey H. Westrich, MD, Hospital for Special Surgery

7:13 am – 7:21 am Technology in the ASC
John Keggi, MD, St. Mary’s Hospital

7:21 am – 7:29 am Perioperative Protocols for Outpatient Total Joint Surgery
Arjun Saxena, MD, MBA, Rothman Orthopaedic Institute

7:29 am – 7:37 am What is the Actual Data on Outpatient TJA
Michael P. Ast, MD, Hospital for Special Surgery

7:37 am – 7:50 am Discussion

7:55 am – 8:25 am Focused Breakfast Presentation
*CME Credit Not Available

Rapid Fire Session 3A – Foot & Ankle/Lower Extremity (Broadway Ballroom A)
Moderators: Jason T. Bariteau, MD, Emory University
Sameh A. Labib, MD, Emory University

8:30 am – 8:34 am 80 - Does Medicaid Expansion Improve Access to Care for Ankle Sprains?
Caroline P. Hoch, BS, Medical University of South Carolina

8:34 am – 8:38 am 292 - Functional Outcomes of Open Reduction and Internal Fixation of Lisfranc Injuries
Daniel O. Corr, BS, Rothman Orthopaedic Institute
*Presented by Rachel Shakked, MD

8:38 am – 8:42 am 792 - Is There a Psychiatric Diagnosis in Chronic Ankle Instability Patients?
John Allen, BS, Medical University of South Carolina

8:42 am – 8:45 am Discussion

8:45 am – 8:49 am 40 - A Detailed Analysis of Workplace Foot and Ankle Injuries
Alexander M. Caughman, BS, Medical University of South Carolina
*Presented by Adam T. Griffith, MD

8:49 am – 8:53 am 229 - The Influence of Sex on Outcomes after Total Ankle Arthroplasty
Kathy McGurk, MD, Medical University of South Carolina
*Presented by Caroline P. Hoch, BS

8:53 am – 8:57 am 234 - Steroid Use Increases Complications following Ankle Open Reduction Internal Fixation
Theodore Quan, BS, George Washington University

8:57 am – 9:00 am Discussion

Rapid Fire Session 3B – Trauma (Broadway Ballroom B)
Moderators:  Kevin W. Dwyer, MD, Dartmouth-Hitchcock Medical Center
            Craig Wright, MD, New Jersey Orthopaedics Institute

8:30 am – 8:34 am 403 - Dual Plating of Periprosthetic Distal Femur Fractures
Christopher A. Grimes, MD, Wake Forest Baptist Health

8:34 am – 8:38 am 512 - Racial and Ethnic Disparities in 30-Day Postoperative Hip Fracture Outcomes
Daniel M. Aloise, FIU Herbert Wertheim College of Medicine

8:38 am – 8:42 am 736 - Single Day Surgical Delay of Hip Fractures is Associated with Increased Morbidity and Mortality
Nipun Sodhi, MD, Long Island Jewish Medical Center

8:42 am – 8:45 am Discussion
921 - High Altitude Increases Risk of Venous Thromboembolism after Acetabular/Pelvic Fixation
*Matthew S. Broggi, MD, MBA, Emory University School of Medicine*

178 - Ability of Orthopaedic Patients to Comply with Nonweightbearing Instructions
*Heather Flynn, MD, Temple University Hospital Orthopaedics*

207 - Developmental Patella Baja Status Post Intramedullary Tibial Nail Placement
*Ryan Sutton, MD, Rothman Institute at Thomas Jefferson University*
*Presented by William Conaway, MD*

**Rapid Fire Session 3C – Sports Medicine (Broadway Ballroom C)**

**Moderators:** Cory M. Edgar, MD, UConn Health
Anil S. Ranawat, MD, Hospital for Special Surgery

**8:30 am – 8:34 am**

**EOEF Sameh A. Labib, MD Donor Grant**
5 - Beach Chair vs. Lateral Decubitus Positioning for Primary Arthroscopic Anterior Shoulder Stabilization: A Consecutive Series of 641 Shoulders
*Bobby G. Yow, MD, Walter Reed National Military Medical Center*

**8:34 am – 8:38 am**

**EOEF Anil S. Ranawat, MD Donor Grant**
170 - Fragility of Statistical Significance in Cartilage Restoration of the Knee
*Robert L. Parisien, MD, University of Pennsylvania*

**8:38 am – 8:42 am**

680 - Evaluation of Knotted vs. Knotless Medial Row Rotator Cuff Repair
*Ryan W. Paul, BS, Rothman Orthopaedic Institute*

**8:42 am – 8:45 am**

Discussion

**8:45 am – 8:49 am**

924 - Analysis of Liposomal Bupivacaine’s Effect on Pain and Opioid Consumption Post-AC
*Emily L. DeMaio, BSN, Emory University School of Medicine*

**8:49 am – 8:53 am**

578 - Poly-L Lactic Acid Mesh Augmentation Improves Cyclic Gap Formation in Transosseous Patellar Tendon Repair: A Biomechanical Study
Heath P. Gould, MD, MedStar Orthopaedic Institute

8:53 am – 8:57 am 862 - Evaluation of Mid-Term Outcomes following Shoulder Hemiarthroplasty for Avascular Necrosis of the Humeral Head in Patients 40 Years and Younger
Edward C. Beck, MD, MPH, Wake Forest Baptist Health
*Presented by Anirudh K. Gowd, MD

8:57 am – 9:00 am Discussion

Rapid Fire Session 3D – Total Hip Arthroplasty (Broadway Ballroom D)
Moderators:  John Keggi, MD, St. Mary’s Hospital
Adam J. Rana, MD, Maine Medical Center

EOEF Geoffrey H. Westrich, MD Donor Grant
484 - Preoperative Spinopelvic Hypermobility Resolves following Total Hip Arthroplasty
Eric N. Windsor, MS, Hospital for Special Surgery

EOEF Neil P. Sheth, MD Donor Grant
571 - A Comparison between Neuraxial and General Anesthesia Outcomes in US Veterans Undergoing Primary Total Hip Arthroplasty
Mohanad Baldawi, MD, Southwest Michigan Innovation Center
*Presented by Mohamed E. Awad, MD, MBA

209 - The Anterior Based Muscle Sparing Hip Replacement Approach
Callahan M. Sturgeon, BS, Maine Medical Partners

EOEF Geoffrey H. Westrich, MD Donor Grant
8:42 am – 8:45 am Discussion

32 - Capsular Management in Direct Anterior Total Hip Arthroplasty: A Randomized, Single Blind, Controlled Trial
Rahul K. Goel, MD, Emory University

162- Perioperative Pain following Direct Anterior vs. Posterior Total Hip Arthroplasty
Patawut Bovonratwet, MD, Hospital for Special Surgery
*Presented by Aaron Chen, BS

8:53 am – 8:57 am 348 - BMI and ASA Score Predict Different Perioperative Delays in THA
Zoe Hinton, BS, Duke University Medical Center
*Presented by Lefko T. Charalambous, BS
8:57 am – 9:00 am  Discussion

**Rapid Fire Session 3E – Spine (Broadway Ballroom G)**

**Moderators:**  Marc J. Levine, MD, Orthopedic and Spine Institute at RWJ / Barnabas Healthcare System  
Byron F. Stephens, MD, Vanderbilt University

8:30 am – 8:34 am  264 - ACDF with Ultra-Low Dose BMP-2 vs. Posterior Approach in Multilevel Fusions to the Cervicothoracic Junction  
*Daniel Coban, MD, St. Joseph's University Medical Center*

8:34 am – 8:38 am  801 - How Does Opioid Use Disorder Impact Outcomes following 1- to 2- Level ACDF?  
*Nathan Kim, BA, Maimonides Medical Center*

8:38 am – 8:42 am  208 - Patient Residential Geography and Chronic Opioid Use after ACDF  
*Hannah A Levy, BS, Rothman Institute*

8:42 am – 8:45 am  Discussion

8:45 am – 8:49 am  672 - Increased Hip Fracture Costs of Care in Myelopathic Patients  
*Hanci Zhang, MD, Duke University Medical Center*

8:49 am – 8:53 am  167 - The Effect of Ergonomic Interventions in the Operating Room to Reduce Work-Related Back Pain in Orthopaedists  
*Christopher Lucasti, MD, University at Buffalo*

8:53 am – 8:57 am  891 - COVID-19 Pandemic Delays Care and Worsens Prognosis of Spinal Metastasis  
*Aleksander Mika, MD, Vanderbilt University Medical Center*

8:57 am – 9:00 am  Discussion

9:00 am – 9:20 am  **BREAK – Please visit Exhibits (Broadway Ballroom West)**

**General Session 3 – Presidential Address, AAOS Report, ABOS Report & Outstanding Service Award**

**Moderator:**  Joshua A. Baumfeld, MD, *Beth Israel Lahey Health*

9:20 am – 9:40 am  AAOS Report  
*Daniel Guy, MD, AAOS President, Emory University*

9:40 am – 9:50 am  ABOS Report  
*Gregory A. Mencio, MD, Vanderbilt University Medical Center*
9:50 am – 9:55 am  Outstanding Service Award  
Marc J. Levine, MD and Robin Levine

9:55 am – 10:05 am  Introduction of the EOA President  
Amar S. Ranawat, MD, Hospital for Special Surgery

10:05 am – 10:30 am  Presidential Address  
The Fraternities of Life  
Marc J. Levine, MD, Orthopedic and Spine Institute at RWJ /  
Barnabas Healthcare System

10:30 am – 10:50 am  BREAK – Please visit Exhibits (Broadway Ballroom West)

Symposium 4 – Healthcare Policy & How it Affects Your Practice  
Moderator: Richard Iorio, MD, Brigham and Women’s Hospital

10:50 am – 11:00 am  AUCs, CPGs, Bundles and Orthopaedics: Using EBM to Care for Your Patients  
Adam J. Rana, MD, Maine Medical Partners

11:00 am – 11:10 am  The RUC, EM Coding, CPT Coding, the Present and Future of Reimbursement and Value-Based Payment  
Michael P. Bolognesi, MD, Duke University

11:10 am – 11:20 am  Advocacy Going Forward: Where Do We Go and Have We Been Successful?  
Pro: Joseph A. Bosco, MD, NYU Langone Health  
Con: Michael P. Bolognesi, MD, Duke University

11:20 am – 11:30 am  Discussion

11:35 am – 12:05 pm  Focused Lunch Presentation  
*CME Credit Not Available

Concurrent Session 3A – Total Joint Arthroplasty (Broadway Ballroom E)  
Moderator:  Adam J. Rana, MD, Maine Medical Center  
Amar S. Ranawat, MD, Hospital for Special Surgery

12:10 pm – 12:18 pm  Anterolateral THA Experience  
Adam J. Rana, MD, Maine Medical Partners

12:18 pm – 12:26 pm  Trunionosis  
Brian J. McGrory, MD, Maine Medical Partners

12:26 pm – 12:34 pm  Uncemented TKA  
Wayne E. Moschetti, MD, Dartmouth-Hitchcock Medical Center
12:34 pm – 12:42 pm      Evaluation of the Painful TKA  
                          Amar S. Ranawat, MD, Hospital for Special Surgery

12:42 pm – 12:50 pm      Extensor Mechanism Complications after TKA  
                          Kevin W. Dwyer, MD, Dartmouth-Hitchcock Medical Center

12:50 pm – 1:05 pm      Discussion

Concurrent Session 3B – Foot & Ankle (Broadway Ballroom A & B)
Moderator: Sameh A. Labib, MD, Emory University

12:10 pm – 12:18 pm      Lisfranc Injuries in the Athlete  
                          James A. Nunley II, MD, Duke University

12:18 pm – 12:26 pm      Ankle Sprains: Why Do They Matter?  
                          Sameh A. Labib, MD, Emory University

12:26 pm – 12:34 pm      Deltoid Injuries in Ankle Fractures  
                          Jason T. Bariteau, MD, Emory University

12:34 pm – 12:42 pm      Foot Stress Fractures: Jones to Navicular  
                          Elizabeth A. Martin, MD, ScM, Brigham and Women's Hospital

12:42 pm – 12:50 pm      Achilles Rupture in the Athlete  
                          Rachel J. Shakked, MD, Rothman Orthopaedic Institute

12:50 pm – 1:05 pm      Discussion

Symposium 5 – Patellofemoral Instability (Broadway Ballroom A & B)
Moderator: Cory M. Edgar, MD, UConn Health

1:05 pm – 1:13 pm      Evaluation and Work-Up  
                          Cory M. Edgar, MD, UConn Health

1:13 pm – 1:21 pm      First-Time Dislocator: When Should Surgery be Considered?  
                          Miho J. Tanaka, MD, Massachusetts General Hospital

1:21 pm – 1:29 pm      Isolated Soft Tissue Procedures: When and How?  
                          Cassandra A. Lee, MD, University of California, Davis

1:29 pm – 1:37 pm      Osteotomies: When and How?  
                          Anil S. Ranawat, MD, Hospital for Special Surgery

1:37 pm – 1:45 pm      1044Video - Dealing with Chondral Lesions with Patellofemoral Instability
1:45 pm – 2:00 pm  Cases and Discussion

**Rapid Fire Session 4A – Total Joint Arthroplasty** *(Broadway Ballroom A)*

**Moderators:** Javad Parvizi, MD, FRCS, Rothman Institute Orthopaedic Research
Arjun Saxena, MD, MBA, Rothman Orthopaedic Institute

2:05 pm – 2:09 pm  **EOEF Adam J. Rana, MD Donor Grant**
476 - Comparison of Silver-Embedded Occlusive Dressings and Negative Pressure Wound Therapy following Total Joint Arthroplasty in High BMI Patients: A Randomized Controlled Trial Total Joint
Katherine A. Lygrisse, MD, NYU Langone Health

2:09 pm – 2:13 pm  602 - Blood Transfusions Increase the Risk for VTE following TJA
Leanne Ludwick, BS, Rothman Orthopaedic Institute

2:13 pm – 2:17 pm  **EOEF / OREF Resident Travel Grant Award**
629 - Synovial Fluid Absolute Neutrophil Count a Promising Marker for Diagnosing Periprosthetic Joint Infection
Alisina Shahi, MD, PhD, Cooper University Hospital

2:17 pm – 2:20 pm  Discussion

2:20 pm – 2:24 pm  468 - Perioperative Intravenous Steroids in Total Joint Arthroplasty: A Systematic Review
Richard Ruberto, BA, Columbia Orthopedics
*Presented by Cesar D. Lopez, BS*

2:24 pm – 2:28 pm  637 - Postoperative Complications after Outpatient Total Joint Arthroplasty in a Health Disparate Community
Andres A. Zorrilla, MD, Montefiore Medical Center, Albert Einstein School of Medicine
*Presented by Zachary Coles*

2:28 pm – 2:32 pm  788 - Interval Time Less than 17 Weeks between Bilateral Total Knee Arthroplasties is Associated with Increased Postoperative Complications
Alex Gu, BS, George Washington School of Medicine and Health Sciences
*Presented by Amil R. Agarwal, BA*

2:32 pm – 2:35 pm  Discussion
Rapid Fire Session 4B – Pediatrics (Broadway Ballroom B)

Moderators: Kevin M. Neal, MD, Nemours Children’s Health
Lauren Redler, MD, Columbia University

2:05 pm – 2:09 pm  605 - The Impact of Racial Disparities on Opioid Prescription Rates in Pediatrics
Grace V. Gilbert, BSN, Cooper Bone and Joint Institute

2:09 pm – 2:13 pm  791 - Which Pediatric Elbow Fracture Needs Additional Investigation for Intercondylar Split?
Rachel Windmueller, BS, Vanderbilt University Medical Center

2:13 pm – 2:17 pm  New Jersey Orthopaedic Society Resident Award
841 - Surgical Prophylaxis in Pediatric Orthopaedic Patients with Penicillin Allergy
Brian D. Batko, MD, Rutgers New Jersey Medical School

2:17 pm – 2:20 pm  Discussion

2:20 pm – 2:24 pm  284 - Liposomal Bupivacaine Following Posterior Spinal Fusion Decreases Post-Operative Narcotic Usage
Alexander H. Jinnah, MD, Wake Forest Baptist Medical Center

2:24 pm – 2:28 pm  73 - Intercostal Nerve Transfer for Restoration of Shoulder Function after Virally-Induced Spinal Cord Injuries
Ryan Hoffman, MD, Albert Einstein Healthcare Network

2:28 pm – 2:32 pm  117 - Reoperation and Readmission after ORIF of Adolescent Midshaft Clavicle Fractures
Aman Chopra, MedStar Union Memorial Hospital

2:32 pm – 2:35 pm  Discussion

Rapid Fire Session 4C – Shoulder & Elbow (Broadway Ballroom C)

Moderators: Theodore A. Blaine, MD, Hospital for Special Surgery
Scott P. Steinmann, MD, UTHSC College of Medicine

2:05 pm – 2:09 pm  889 - Opioid Free Postoperative Course following Arthroscopic Rotator Cuff Repair
Alessia C. Lavin, BS, University of Miami Miller School of Medicine
*Presented by Ajay Desai

2:09 pm – 2:13 pm  901 - Minimized Elbow Varus Torque in Pitchers with High Pitch Accuracy
Joseph E. Manzi, Weill Cornell Medicine
2:13 pm – 2:17 pm 276 - Preoperative Opioid Use Correlates with Worse Outcomes after Shoulder Surgery
Michael McCurdy, MS, University of Maryland
*Presented by Matheus Schneider, BS

2:17 pm – 2:20 pm Discussion

2:20 pm – 2:24 pm 83 - Clavicle Fracture Fixation with Nitinol Staples vs. Superior Locked Plating
Katherine L. Mistretta, MD, MedStar Union Memorial Hospital

2:24 pm – 2:28 pm 336 - Symptom Severity Impacting Treatment Selection in Patients with Adhesive Capsulitis
Erel B. Ari, MD, NYU Langone Orthopaedic Hospital
*Presented by David Adekanye

2:28 pm – 2:32 pm EOEF Marc J. Levine, MD Donor Grant
185 - Press-Fit vs. Cemented Glenoid Component in Anatomic TSA with Five-Year Follow-Up
Jonathan B. Goodloe, MD, Medical University of South Carolina

2:32 pm – 2:35 pm Discussion

Rapid Fire Session 4D – Trauma (Broadway Ballroom D)
Moderators: Joshua A. Baumfeld, MD, Beth Israel Lahey Health
Elizabeth A. Martin, MD, ScM, Brigham and Women's Hospital

2:05 pm – 2:09 pm 899 - Utility of Whole Body CT in Low Energy Hip Fractures Trauma
Samantha N. Weiss, BS, Cooper University Hospital, Bone and Joint Institute

2:09 pm – 2:13 pm 973 - Comparison of Extramedullary and Intramedullary Implants for Non-Displaced Intertrochanteric Fractures Trauma
Ghulam Saadat, MD, Cook County Health
*Presented by Aria Darbandi, BS

2:13 pm – 2:17 pm 852 - Cemented Fixation Reduces Risk of Early PPFx in High-Risk THA Patients Total Hip
Samuel Rodriguez, MD, Hospital for Special Surgery

2:17 pm – 2:20 pm Discussion

2:20 pm – 2:24 pm 324 - THA vs Hemiarthroplasty in Patients with Femoral Neck Fractures Total Joint
Emmanuel Adeyemo, BA, UT Southwestern Medical Center

2:24 pm – 2:28 pm  62 - Morbidity and Mortality of Proximal Humerus Fragility Fractures Shoulder & Elbow
Patrick B. Curtin, MD, University of Massachusetts
*Presented by Saharsh Mehta, MD

2:28 pm – 2:32 pm  485 - Early vs. Standard Weight Bearing following Operative Treatment of Tibial Plateau Fractures
Erick Heiman, DO, Jersey City Medical Center

2:32 pm – 2:35 pm  Discussion

Rapid Fire Session 4E – Hand & Wrist (Broadway Ballroom G)
Moderators:  Charles A. Cassidy, MD, Tufts Medical Center
            Kevin D. Plancher, MD, MPH, Albert Einstein College of Medicine

2:05 pm – 2:09 pm  21 - Hand Call Practices and Satisfaction: Survey Results from US Hand Surgeons
Diana G. Douleh, MD, University of Colorado, Aurora

2:09 pm – 2:13 pm  192 - Unplanned Return to the Operating Room in Hand Surgery: Incidence and Reason for Return
Lili Schindelar, MD, MPH, Rothman Institute at Thomas Jefferson University
*Presented by Jack G. Graham, MD

2:13 pm – 2:17 pm  903 - Prophylactic Carpal Tunnel Release after Distal Radius Fracture Stabilization
Jonathan Dalton, MD, University of Pittsburgh Medical Center

2:17 pm – 2:20 pm  Discussion

2:20 pm – 2:24 pm  500 - Depression, Anxiety, and ADHD Predict Complications after Carpal Tunnel Release
Michael B. Gottschalk, MD, Emory University School of Medicine
*Presented by Alexander M. Dawes, BS

2:24 pm – 2:28 pm  235 - Bleeding Disorders Increases Adverse Events following Distal Radius Fracture Repair
Theodore Quan, BS, George Washington University

2:28 pm – 2:32 pm  299 - Preoperative Opioid Use and Two-Year Outcomes after Hand Surgery
Cameran Burt, BS, University of Maryland
*Presented by Matheus Schneider, BS
2:32 pm – 2:35 pm  Discussion

2:35 pm – 3:35 pm  Scientific E-Poster Session *(Broadway Ballroom A, B, C, D, G)*
(Presenters will be available to answer questions)

3:35 pm – 4:35 pm  Multimedia Education Session *(South Foyer Registration Counter)*

**Saturday, October 23**

6:00 am – 7:00 am  Scientific E-Poster Session *(Broadway Ballroom A, B, C, D, G)*
(Presenters will be available to answer questions)

6:15 am – 7:15 am  Chair & Program Directors Meeting (Invitation Only)
*(Broadway Ballroom A)*

7:00 am – 7:15 am  Second Business Meeting

7:15 am – 7:20 am  Announcements
*Joshua A. Baumfeld, MD, Program Chair*

**Symposium 6 – Shoulder**
**Moderator:** John D. Kelly IV, MD, *University of Pennsylvania*

7:20 am – 7:28 am  Management of Anterior Shoulder Instability: What’s New for 2021?
*Josef K. Eichinger, MD, Medical University of South Carolina*

7:28 am – 7:36 am  When to use Remplissage for Shoulder Instability
*John D. Kelly IV, MD, University of Pennsylvania*

7:36 am – 7:44 am  1035 Preoperative CT Planning in TSA
*Scott P. Steinmann, MD, UTHSC College of Medicine*

7:44 am – 7:52 am  1037 Dealing with the Biconcave Glenoid and How Much Retro Version is Acceptable
*Theodore A. Blaine, MD, Hospital for Special Surgery*

7:52 am – 8:00 am  1039 What Humeral Design is Best: Old-School Stem, Short Stem or Stemless?
*Srinath Kamineni, MD, University of Kentucky*

8:00 am – 8:15 am  Discussion
8:20 am – 8:50 am  **Focused Breakfast Presentation**
*CME Credit Not Available*

**General Session 4 – EOEF Resident Award Papers**
**Moderator:** Joshua A. Baumfeld, MD, *Beth Israel Lahey Health*

8:50 am – 8:55 am  **EOEF Founders’ Award**
211 - Melatonin Does Not Improve Sleep Quality in a Randomized Placebo-Controlled Trial following Primary Total Joint Arthroplasty
*Samuel J. Clarkson, MD, Rothman Orthopaedic Institute*

8:55 am – 9:00 am  **EOEF Ranawat Award**
307 - Evaluating the Nosocomial Transmission Rate of COVID-19 following Orthopaedic Surgery
*Anna H. Green, MD, Rutgers Robert Wood Johnson University Hospital*

9:00 am – 9:05 am  **EOEF John D. & Marie S. Kelly Shoulder Award**
248 - Biomechanical Comparison of Stemless Humeral Components in Total Shoulder Arthroplasty
*Raymond E. Chen, MD, University of Rochester*

9:05 am – 9:10 am  **EOEF Parvizi Musculoskeletal Infection Award**
600 - Fracture-Associated Microbiome and Persistent Non-Union: Next-Generation Sequencing Reveals
*Karan Goswami, MD, Rothman Orthopaedic Institute*

9:10 am – 9:17 am  Discussion

9:17 am – 9:22 am  **EOEF Richmond Arthroscopy / Sports Medicine Award**
187 - Stacked Screws in Single Stage Revision ACL Reconstruction
*Ian D. Engler, MD, Tufts Medical Center*

9:22 am – 9:27 am  **EOEF Resident/Fellow Award**
198 - Increased 90-Day Mortality and Morbidity in Hip Fracture Patients during the Coronavirus Pandemic
*Megan M. Mizera, MD, Montefiore Medical Center*

9:27 am – 9:32 am  **EOEF Resident/Fellow Award**
186 - A Simple Hip-Spine Classification for Total Hip Replacement: Validation and Large Multi-Center Series
*Abhinav K. Sharma, BS, David Geffen School of Medicine at UCLA*
9:32 am – 9:37 am **EOEF Resident/Fellow Award**
173 - Mind the Gap: Discrepancies in Work-Family Balance between Female and Male Orthopaedic Surgeons
*Hope E. Skibicki, DO, Rowan University School of Osteopathic Medicine*

9:37 am – 9:45 am Discussion

9:45 am – 10:10 am **BREAK – Please visit Exhibits** (*Broadway Ballroom West*)

**Concurrent Session 4A – Sports Knee / ACL** (*Broadway Ballroom E*)

**Moderators:** Nicholas A. Sgaglione, MD, *Northwell Health*
John C. Richmond, MD, *New England Baptist Hospital*

10:10 am – 10:18 am Avoiding Primary ACL Reconstruction Failure
*John C. Richmond, MD, New England Baptist Hospital*

10:18 am – 10:26 am Addressing Other Issues: When and How? (Root Tears, Tibial Slope, Alignment, Concomitant Injuries)
*Anil S. Ranawat, MD, Hospital for Special Surgery*

10:26 am – 10:34 am Return to Play Considerations following ACL Reconstruction
*Arun J. Ramappa, MD, Beth Israel Deaconess*

10:34 am – 10:42 am Consideration in Pediatric ACL Reconstruction
*Lauren Redler, MD, Columbia University*

10:42 am – 10:50 am Considerations in Revision ACL Reconstruction from the MARS Study
*Rick W. Wright, MD, Vanderbilt University*

10:50 am – 11:00 am Discussion

**Concurrent Session 4B – Pearls for Common Elbow Fractures** (*Broadway Ballroom A & B*)

**Moderators:** Charles A. Cassidy, MD, *Tufts Medical Center*
Eric T. Tolo, MD, *Lahey Health*

10:10 am – 10:20 am Olecranon Fractures
*Eric T. Tolo, MD, Lahey Health*

10:20 am – 10:30 am Distal Humerus Fractures
*Scott P. Steinmann, MD, UTHSC College of Medicine*

10:30 am – 10:40 am Radial Head Fractures
*Charles A. Cassidy, MD, Tufts Medical Center*
10:40 am – 10:50 am  Monteggia Fractures
  
  Srinath Kamineni, MD, University of Kentucky

10:50 am – 11:00 am  Discussion

**Rapid Fire Session 5A – Sports Medicine** *(Broadway Ballroom A)*

**Moderator:**  Lauren Redler, MD, Columbia University

11:05 am – 11:09 am  868 - Factors Associated with Early Reoperation following Quadriceps Tendon ACL Reconstruction
  
  Rebecca M. Haley, BA, Emory University School of Medicine

11:09 am – 11:13 am  958 - Acute Acromioclavicular Joint Separations: Reconstruction with Allograft vs. Anatomic Fixation
  
  Zachary Aman, BA, Rothman Orthopaedic Institute
  
  *Presented by Ryan W. Paul, BS

11:13 am – 11:17 am  350 - Comparison of Latarjet after Failed Arthroscopic Bankart with Primary Latarjet
  
  Yaniv Pines, BA, NYU Langone Orthopaedic Hospital

11:17 am – 11:20 am  Discussion

11:20 am – 11:24 am  742 - Failure Rates in Contact vs. Non-Contact Athletes following Modified Arthroscopic Bankart Repair at Ten-Year Follow-Up
  
  Thomas Evely, DO, East Tennessee State University Orthopedic Surgery Residency

11:24 am – 11:28 am  314 - Precise Multiplanar Correction for MOWHTO Utilizing a CT-Based Patient-Specific System
  
  Claire Eliasberg, MD, Hospital for Special Surgery

  
  Ali S. Farooqi, BA, Perelman School of Medicine at the University of Pennsylvania
  
  *Presented by Robert L. Parisien, MD

11:32 am – 11:35 am  Discussion

**Rapid Fire Session 5B – Total Joint Arthroplasty** *(Broadway Ballroom B)*

**Moderators:**  Amar S. Ranawat, MD, Hospital for Special Surgery
  
  Adam J. Rana, MD, Maine Medical Center
11:05 am – 11:09 am 238 - The Ramifications of Long-Term Trends in Arthroplasty Reimbursement
Louis F. McIntye, MD, US Orthopedic Partners

11:09 am – 11:13 am 606 - Acute Kidney Injury after Total Hip and Knee Arthroplasty. What is the Culprit?
Alisina Shahi, MD, PhD, Cooper University Hospital

11:13 am – 11:17 am 81 - Decreased Costs after Total Joint Arthroplasty in a Physician-Owned Hospital
Brian P. Gladnick, MD, W.B. Carrell Memorial Clinic

11:17 am – 11:20 am Discussion

11:20 am – 11:24 am EOEF Amar S. Ranawat, MD Donor Grant
968 - The Effect of an Arthroplasty Center of Excellence on Volume
Shayan Hosseinzadeh, MD, Newton-Wellesley Hospital

11:24 am – 11:28 am 349 - Short Stay Arthroplasty Is Not Associated with Increased 90-Day Complications
Christine J. Wu, BS, Duke University Medical Center
*Presented by Lefko T. Charalambous, BS

11:28 am – 11:32 am 501 - The Impact of COVID-19 Pandemic on Elective Joint Arthroplasty Practice
Mohammad Abdelaal, MD, Rothman Orthopaedic Institute

11:32 am – 11:35 am Discussion

Rapid Fire Session 5C – Shoulder & Elbow (Broadway Ballroom C)
Moderators: Srinath Kamineni, MD, University of Kentucky
Scott P. Steinmann, MD, UTHSC College of Medicine

11:05 am – 11:09 am 789 - An Enhanced Understanding of Shoulder PJI Using Next Generation Sequencing
Brandon Louis Rogalski, MD, Thomas Jefferson University / Rothman Institute
*Presented by Karan Goswami, MD

11:09 am – 11:13 am EOEF Resident Travel Grant Award
136 - The Utilization of Platelet Parameters as an Adjunct Indicator for the Diagnosis of Shoulder Periprosthetic Joint Infection
Taylor Paziuk, MD, The Rothman Orthopaedic Institute at Thomas Jefferson University Hospital
11:13 am – 11:17 am  218 - The Opioid Risk Tool: Can It Predict Postoperative Dependence?  
Dennis DeBernardis, DO, Rowan School of Osteopathic Medicine  
*Presented by Quincy T. Cheesman, DO

11:17 am – 11:20 am  Discussion

11:20 am – 11:24 am  529 - Opioid Use following Shoulder Arthroplasty: Who Requires Refills?  
Eric R. Wagner, MD, Upper Extremity Center, Emory University  
*Presented by Alexander M. Dawes, BS

11:24 am – 11:28 am  278 - PROMIS Depression and Anxiety in Shoulder Surgery Patients  
Mitch Baker, BS, University of Maryland  
*Presented by Matheus Schneider, BS

11:28 am – 11:32 am  EOEF Cynthia L. Emory, MD, MBA Donor Grant  
389 - Is Primary Total Elbow Arthroplasty Appropriately Compensated Compared to Other Major Total Joint Arthroplasty?  
Suresh K. Nayar, MD, Johns Hopkins University

11:32 am – 11:35 am  Discussion

Rapid Fire Session 5D – Upper Extremity (Broadway Ballroom D)  
Moderators:  Bruce A. Monaghan, MD, Premier Orthopaedic and Sports Medicine Associates  
Eric T. Tolo, MD, Lahey Health

11:05 am – 11:09 am  103 - Efficacy of Peroxide Solutions in Decreasing C. Acnes Around the Shoulder  
Lucy E. Meyer, MD, Duke University Medical Center

11:09 am – 11:13 am  925 - Smoking and Associated Surgical Complications in Distal Upper Extremity Fractures  
Charles A. Johnson, MD, Medical University of South Carolina

11:13 am – 11:17 am  240 - A Multi-Institutional Study of Preoperative Albumin and Shoulder Arthroplasty Outcomes  
Etienne M. Flamant, BS, Duke University School of Medicine  
*Presented by Daniel E. Goltz, MD, MBA

11:17 am – 11:20 am  Discussion

11:20 am – 11:24 am  593 - Early Radiographic Changes and Stress Shielding after Total Shoulder Arthroplasty Utilizing Various Stem Designs
Ryan Cox, MD, Thomas Jefferson University

11:24 am – 11:28 am  
25 - Tetanus Vaccination in Intravenous Drug Abuse Patients with Hand Infections  
*Presented by Daniel E. Goltz, MD, MBA

Patrick M. Luchini, MD, West Virginia University

11:28 am – 11:32 am  
161 - Psychological Distress in Patients Presenting to a Shoulder Surgeon’s Clinic  
*Rafeal L. Baker, BS, Duke University School of Medicine

11:32 am – 11:35 am  
Discussion

**Rapid Fire Session 5E – Misc. (Broadway Ballroom G)**

**Moderators:**  
Thomas R. Bowen, MD, Geisinger Medical Center  
Cynthia L. Emory, MD, MBA, Wake Forest University School of Medicine

11:05 am – 11:09 am  
959 - Descriptive Analysis of Hip Surgery Malpractice Litigation in the United States  
Adam Fano, BS, New Jersey Medical School

11:09 am – 11:13 am  
467 - Tranexamic Acid Decreases Complications in Arthroplasty Patients with Preoperative Coagulopathy  
Graham S. Goh, MD, Rothman Orthopaedic Institute

11:13 am – 11:17 am  
733 - Immobilization in Toddler’s Fractures – Is Less More?  
Carsen R. Cash, BS, Vanderbilt University School of Medicine

11:17 am – 11:20 am  
Discussion

11:20 am – 11:24 am  
970 - Variability in Acetabular Component Position in Patients Undergoing Direct Anterior Approach Total Hip Arthroplasty Who Have Concomitant Spine Pathology  
Cesar R. Iturriaga, DO, Northwell Health

11:24 am – 11:28 am  
416 - Direct Anterior Approach Increase Risks of Readmission and Complications after Total Hip Arthroplasty  
Mohamed E. Awad, MD, MBA, Southwest Michigan Innovation Center

11:28 am – 11:32 am  
115 - Clubfoot Cast Simulation Using Pressure Sensors for Resident Education  
Brian C. Lynch, MD, Stony Brook University Hospital

11:32 am – 11:35 am  
Discussion
General Session 5 – BOC Report & Howard Steel Lecturer
Moderator: Marc J. Levine, MD, Orthopedic and Spine Institute at RWJ / Barnabas Healthcare System

11:40 am – 11:50 am BOC Report
Marc J. Levine, MD, Orthopedic and Spine Institute at RWJ / Barnabas Healthcare System

11:50 am – 11:55 am Introduction of Howard Steel Lecturer
Marc J. Levine, MD, Orthopedic and Spine Institute at RWJ / Barnabas Healthcare System

11:55 am – 12:35 pm Howard Steel Lecture
Title
Congressman Mark Green, US House of Representatives

12:40 pm – 1:10 pm Focused Lunch Presentation
*CME Credit Not Available

General Session 6 – New Jersey Orthopaedic Society
Moderator: Vincent K. McInerney, MD, Seton Hall University/St Joseph’s Health

1:15 pm – 1:45 pm Human Performance and Neuromuscular Training in Athletics and Rehabilitation
Robert Narcessian Ed, MS, Seton Hall University / St Joseph’s Health
Bart Oates, NFL Alumni Association

Rapid Fire Session 6A – Shoulder (Broadway Ballroom A)
Moderators: John D. Kelly IV, MD, University of Pennsylvania
John C. Richmond, MD, New England Baptist Hospital

1:45 pm – 1:49 pm 513 - Two-Year Glenoid Augment Outcomes and Costs in Anatomic Total Shoulder Arthroplasty
Lefko T. Charalambous, BS, Duke University Medical Center

1:49 pm – 1:53 pm New Jersey Orthopaedic Society Resident Award
885 - In Vitro Biomechanical Comparison of Elbow Stability Constructs
Jeffrey C. Lynch, DO, Rowan University School of Osteopathic Medicine

1:53 pm – 1:57 pm 34 - Appropriate Patient Selection for Outpatient Shoulder Arthroplasty: A Risk Prediction Tool
Daniel E. Goltz, MD, MBA, Duke University
1:57 pm – 2:00 pm  Discussion

2:00 pm – 2:04 pm  436 - Risk for Peri-Prosthetic Joint Infections following Primary Total Shoulder Arthroplasty  
Keith B. Diamond, MD, Maimonides Medical Center  
*Presented by Francis Rosato

2:04 pm – 2:08 pm  964 - Shoulder Arthroplasty in Patients with Juvenile Idiopathic Arthritis: Long-Term Outcomes  
Erick Marigi, MD, Mayo Clinic  
*Presented by Dustin Lee, MD

2:08 pm – 2:12 pm  242 - COI in Preoperative Planning Software for Shoulder Arthroplasty  
Adam J. Santoro, DO, Rowan SOM, Rothman Orthopaedic Institute

2:12 pm – 2:15 pm  Discussion

Rapid Fire Session 6B – Patellofemoral Sports (Broadway Ballroom B)  
Moderators: Nicholas A. Sgaglione, MD, Northwell Health  
Miho J. Tanaka, MD, Massachusetts General Hospital

1:45 pm – 1:49 pm  438 - Anteromedialization Tibial Tubercle Osteotomy Improves Patellar Contact Forces  
Joseph D. Lamplot, MD, Emory University

1:49 pm – 1:53 pm  539 - Comparing Graft Choice in Medial Patellofemoral Ligament Reconstruction  
Jeffrey M. Henstenburg, MD, Rothman Institute  
*Presented by Joseph M. Brutico, BS

1:53 pm – 1:57 pm  942 - No Differences in Short-Term Patient Reported Outcomes for Medial Patellofemoral Ligament Reconstruction with or without Lateral Retinacular Release  
Evan Miller, MD, Wake Forest Baptist Health  
*Presented by Ameen Barghi, MD

1:57 pm – 2:02 pm  Discussion

2:02 pm – 2:06 pm  536 - Caton-Deschamps Index: A Predictor of Outcome for Patellofemoral Instability?  
Joseph M. Brutico, BS, Rothman Institute

2:06 pm – 2:10 pm  670 - Gender Differences in Posterior Sagittal Position of the Tibial Tubercle
Rapid Fire Session 6C – Total Joint Arthroplasty (Broadway Ballroom C)

Moderators: Thomas R. Bowen, MD, Geisinger Medical Center
Adam J. Rana, MD, Maine Medical Center

1:45 pm – 1:49 pm  EOEF Scott D. Boden, MD Donor Grant
710 - Shorter Early Ambulation following TKA is Associated with Increased VTE Rates
Nipun Sodhi, MD, Long Island Jewish Medical Center

1:49 pm – 1:53 pm  481 - Periprosthetic and Peri-Implant Fractures About the Hip and Knee
Jay Shah, DO, Jersey City Medical Center
*Presented by Erick Heiman, DO

1:53 pm – 1:58 pm  Discussion

1:58 pm – 2:02 pm  865 - Greater Digital Patient Engagement Leads to Decreased Emergency Department Visits after Total Joint Arthroplasty
Amanda Spraggs-Hughes, PhD, Musculoskeletal Outcomes Institute at Trinity Health of New England

2:02 pm – 2:06 pm  124 - Enhanced Recovery after Surgery (ERAS) for Total Joint Arthroplasty: An Institutional Database Study
James Satalich, MD, Virginia Commonwealth University
*Presented by Prayag Pershad, BS

2:06 pm – 2:10 pm  704 - When Should We Change Gloves? Surgical Gloves Have High Contamination Rates
Leanne Ludwick, BS, Rothman Orthopaedic Institute
*Presented by Emanuele Chisari, MD

2:10 pm – 2:15 pm  Discussion

Rapid Fire Session 6D – Spine & Misc. (Broadway Ballroom D)

Moderators: Scott D. Boden, MD, Emory Spine Center
Marc J. Levine, MD, Orthopedic and Spine Institute at RWJ / Barnabas Healthcare System

1:45 pm – 1:49 pm  340 - Increased Opioid Consumption in Cannabis Users after Lumbar Fusion Surgery
Taryn E. LeRoy, MD, Tufts Medical Center
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| 1:49 pm – 1:53 pm | 783 - Relationship between Gut Microbiome and Osteoarthritis: A Systematic Review Other  
*Emanuele Chisari, MD, Rothman Orthopaedic Institute* |
| 1:53 pm – 1:57 pm | 770 - Feasibility of Machine Learning in the Prediction of Short-Term Complications following Anterior Cervical Discectomy and Fusion Spine  
*Anirudh K. Gowd, MD, Wake Forest Baptist Medical Center* |
| 1:57 pm – 2:00 pm | Discussion                                                               |
| 2:00 pm – 2:04 pm | 313 - Patient Resilience as a Predictor of Success following Spine Surgery  
*Vincent P. Buddle, DO, Rowan School of Osteopathic Medicine* |
| 2:04 pm – 2:08 pm | 465 - Alcohol Use Disorder on Outcomes following Primary 1- to 2-Level Lumbar Fusion  
*Lauren Gruffi, Maimonides Medical Center*  
*Presented by Nathan Kim, BA* |
| 2:08 pm – 2:12 pm | 938 - Pediatric Spinal Deformity Correction Does Not Correlate with Physician Reimbursement  
*Evan Miller, MD, Wake Forest Baptist Health*  
*Presented by Ameen Barghi, MD* |
| 2:12 pm – 2:15 pm | Discussion                                                               |

**Rapid Fire Session 6E – Hand/Upper Extremity (Broadway Ballroom G)**  
**Moderators:** Charles A. Cassidy, MD, Tufts Medical Center  
Alice A. Hunter, MD, Lahey Health

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| 1:45 pm – 1:49 pm | 9 - Leadership Trends at Hand Surgery Fellowships  
*Nicholas Schiller, MS, University of Miami* |
| 1:49 pm – 1:53 pm | **New Jersey Orthopaedic Society Resident Award**  
226 - Swelling and Dysfunction following Proximal Interphalangeal Joint Sprains  
*Quincy T. Cheesman, DO, Rowan University School of Osteopathic Medicine/Rothman Orthopaedic Institute* |
| 1:53 pm – 1:57 pm | 275 - Efficacy of Waterproof Cast Protectors to Keep Casts Dry  
*Adam J. Santoro, DO, Rowan SOM, Rothman Orthopaedic Institute*  
*Presented by Stephanie Kwan, DO* |
| 1:57 pm – 2:00 pm | Discussion                                                               |
2:00 pm – 2:04 pm  354 - The Role of Grit in Carpal and Cubital Tunnel Syndrome
Aaron Chen, BS, Weill Cornell Medicine

2:04 pm – 2:08 pm  638 - Comparing Civilian Firearm vs Non-Firearm Humeral Shaft Fractures
Bradley D. Wiekrykas, MD, Temple University Hospital

2:08 pm – 2:12 pm  615 - Clinical Outcomes of Lunocapitate Arthrodesis: A Dual-Site Retrospective Study
Ather A. Mirza, MD, Mirza Orthopedics
*Presented by Justin Mirza

2:12 pm – 2:15 pm  Discussion

**OITE Orthopaedic Review Course** *(Broadway Ballroom A & B)*
Moderator: Michael P. Ast, MD, Hospital for Special Surgery

2:15 pm – 2:30 pm  High Yield Hand and Wrist
Bruce A. Monaghan, MD, Premier Orthopaedic and Sports Medicine Associates

2:30 pm – 2:45 pm  High Yield Trauma
Lisa K. Cannada, MD, Jacksonville, FL

2:45 pm – 3:00 pm  High Yield Sports Knee
Kevin D. Plancher, MD, MPH, Albert Einstein College of Medicine

3:00 pm – 3:15 pm  High Yield Spine
Andrew H. Milby, MD, Emory University

3:15 pm – 3:30 pm  Understanding Orthopaedic Employment Models
Michael P. Ast, MD, Hospital for Special Surgery

3:30 pm – 4:15 pm  The First Year of Practice: What I Learned
Panel: Michael P. Ast, MD, Hospital for Special Surgery
Cynthia L. Emory, MD, MBA, Wake Forest University School of Medicine
Neil P. Sheth, MD, University of Pennsylvania

4:15 pm – 4:30 pm  High Yield Sports Shoulder
Brian T. Samuelsen, MD, MBA, Lahey Health

4:30 pm – 4:45 pm  High Yield Foot and Ankle
MaCalus V. Hogan, MD, University of Pittsburgh Medical Center
4:45 pm – 5:00 pm  High Yield Hip and Knee Arthroplasty  
*Neil P. Sheth, MD, University of Pennsylvania*

5:00 pm – 5:15 pm  High Yield Tumor  
*Thomas R. Bowen, MD, Geisinger Medical Center*

5:15 pm – 5:30 pm  Discussion

**Concurrent Medical Student Symposia** *(Broadway Ballroom C)*  
**Moderator:** Lisa K. Cannada, MD, *Jacksonville, FL*

3:15 pm – 4:15 pm  Transitioning Smoothly: Medical School to Orthopaedic Residency

**Panel:** Chairman’s Perspective  
Program Director’s Perspective  
Senior Residents’ Perspective  
Junior Residents’ Perspective  
Organization’s Perspective (AAOS, ABOS, EOA, Specialty Societies)