

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*

Healthcare System

- 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 Kasparian, 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
Joseph Ippolito, MD, Rutgers, New Jersey Medical School
- 8:44 am – 8:48 am 584 - Can Low-Grade Chondrosarcoma in Flat Bone be Treated
with Intralesional Curettage and Cryotherapy?
*Kwangwon Park, MD, PhD, Washington Cancer Institute,
Washington Hospital Center*
**Presented by Brock W. Adams, MD*
- 8:48 am – 8:52 am 18 - Percutaneous Ablation-Osteoplasty-Reinforcement-Internal
Fixation (AORIF) for Peri-Acetabular Metastases
Courtney Toombs, MD, Yale New Haven Hospital
- 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
George Gorgy, MD, Monmouth Medical Center
- 8:59 am – 9:03 am 17 - A Nationwide Analysis of Pediatric Soft Tissue Sarcomas of
Bone
Kristin Yu, BA, Yale New Haven Hospital
**Presented by Courtney Toombs, MD*
- 9:03 am – 9:07 am 687 - 40 Years of Treating Osteosarcoma: Has Treatment and
Survival Improved?
Daniel R. Evans, MSc, Duke University School of Medicine
- 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
*Marc J. Levine, MD, Orthopedic and Spine Institute at RWJ /
Barnabas Healthcare System*

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 Kasparian, 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

1:30 pm – 1:40 pm 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 Brahmabhatt, 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

- 8:45 am – 8:49 am 921 - High Altitude Increases Risk of Venous Thromboembolism after Acetabular/Pelvic Fixation
Matthew S. Broggi, MD, MBA, Emory University School of Medicine
- 8:49 am – 8:53 am 178 - Ability of Orthopaedic Patients to Comply with Nonweightbearing Instructions
Heather Flynn, MD, Temple University Hospital Orthopaedics
- 8:53 am – 8:57 am 207 - Developmental Patella Baja Status Post Intramedullary Tibial Nail Placement
Ryan Sutton, MD, Rothman Institute at Thomas Jefferson University
**Presented by William Conaway, MD*
- 8:57 am – 9:00 am Discussion

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*

8:30 am – 8:34 am **EOEF Geoffrey H. Westrich, MD Donor Grant**
484 - Preoperative Spinopelvic Hypermobility Resolves following Total Hip Arthroplasty
Eric N. Windsor, MS, Hospital for Special Surgery

8:34 am – 8:38 am **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*

8:38 am – 8:42 am 209 - The Anterior Based Muscle Sparing Hip Replacement Approach
Callahan M. Sturgeon, BS, Maine Medical Partners

8:42 am – 8:45 am Discussion

8:45 am – 8:49 am 32 - Capsular Management in Direct Anterior Total Hip Arthroplasty: A Randomized, Single Blind, Controlled Trial
Rahul K. Goel, MD, Emory University

8:49 am – 8:53 am 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

Christian Lattermann, MD, Brigham and Women's Hospital

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

11:28 am – 11:32 am 330 - Implementation of an Injury Prevention Program in NCAA
Division I Athletics Reduces Injury-Related Healthcare Costs
*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
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
**Presented by Daniel E. Goltz, MD, MBA*

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

Ariana Lott, MD, NYU Langone Health

2:10 pm – 2:15 pm Discussion

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

- 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*

- 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. Samuelson, 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)