

COS Tentative Scientific Program
September 4th – 7th
JW Marriott Tampa Water Street
Tampa, FL
(Presenters and times are subject to change.)

Wednesday, September 4th

12:00 pm – 5:00 pm **Meeting Registration**

12:00 pm – 5:00 pm **Exhibitor Setup**

1:00 pm – 5:00 pm **Board of Directors Meeting**

Thursday, September 5th

6:00 am- 6:45 am **Scientific Poster** (Presenters are available to answer questions)

6:00 am- 6:45 am **E-Poster Session** (Presenters are available to answer questions)

6:50 am – 6:55 am **Welcome and Opening Remarks**
Afshin E. Razi, MD, Maimonides Spine Center

Symposium 1 – Pediatrics

Moderator: Sonia Chaudhry, MD, *Connecticut Children's*

6:55 am – 7:10 am Decision Dynamics in Pediatric Orthopedics: When to Treat In-House and When to Refer
Stephanie Logterman, MD, Arnold Pamer Hospital for Children

7:10 am – 8:00 am Controversies and Consensus in Pediatric Orthopaedic Surgery: Expert Debates and Case Reviews

Moderator: *Sonia Chaudhry, MD, Connecticut Children's*

Panel: *Allison E. Crepeau, MD, Connecticut Children's*
Corinna CD Franklin, MD President, Ruth Jackson
Orthopaedic Society; Yale School of Medicine
Stephanie Logterman, MD, Arnold Pamer Hospital
for Children

Case Discussions:

- Hip Arena: SCFE Standoff – Clash of In Situ vs. Bold Reduction
- Supracondylar Showdown: The Nerve Damage Conundrum

- Choosing Sides: Flexi Nails or ORIF for Forearm, Tibia, and Femur Fractures – Deciphering the Right Approach and Maneuvering through Complication Territory
- Lateral Condyle Fractures Unraveled: Mastering the Threshold to Open, Arthrography Timing, and the Pin vs. Screw Conundrum
- Distal Radius Dilemmas in the 10-Year-Old: Acceptable Angulation and the Heart of Control

General Session 1 – ABOS, AAOS, and AOA Updates

Moderator: Afshin E. Razi, MD, *Maimonides Spine Center*

**CME Credit not available*

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|-------------------|--|
| 8:00 am – 8:10 am | AOA Update
<i>Kyle Jeray, MD, Prisma Health</i> |
| 8:10 am – 8:15 am | ABOS Update
<i>David F. Martin, MD, American Board of Orthopaedic Surgery</i> |
| 8:15 am – 8:30 am | AAOS Update
<i>Paul Tornetta, MD, PhD, Boston Medical Center</i> |
| 8:30 am – 8:35 am | OREF Update
<i>Lee Grossman, CEO, MBA, ML, CAE</i> |
| 8:35 am – 9:05 am | Focused Breakfast Presentation
<i>*CME Credit not available</i> |
| 9:05 am – 9:35 am | <i>BREAK — Please visit exhibits</i> |

Symposium 2 - Perioperative Optimization of Orthopaedic Patients

Moderator: Scott A. Sigman, MD, *Orthopedic Surgical Associates of Lowell*

Innovations in Transitional Pain Management for Orthopaedic Patients: A Comprehensive Approach to Opioid-Sparing Techniques

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|---------------------|--|
| 9:35 am – 9:50 am | Preoperative Strategies: Setting the Stage for Opioid-Sparing Success
<i>Michael R. Redler, MD, Connecticut Orthopaedics</i> |
| 9:50 am – 10:05 am | Intraoperative Innovations: Techniques and Technologies Reducing Opioid Dependency
<i>Theresa E. Bowling, MD, Connecticut Orthopaedic Institute</i> |
| 10:05 am – 10:20 am | Postoperative Pathways: Enhancing Recovery while Minimizing Opioids
<i>Scott A. Sigman, MD, Orthopedic Surgical Associates of Lowell</i> |

Perioperative Optimization of Orthopaedic Patients

- 10:20 am – 10:35 am Nutritional Strategies for Enhanced Surgical Recovery
Reza Jazayeri, MD, Southern California Permanente Medical Group
- 10:35 am – 10:50 am Implementing ERAS Protocols for Optimal Orthopedic Outcomes
Theresa E. Bowling, MD, Connecticut Orthopaedic Institute
- 10:50 am – 11:00 am Discussion

General Session 2 – Medical Student/Resident Research Award Presentations

Moderator: Afshin E. Razi, MD, *Maimonides Spine Center*

**CME Credit not available*

- 11:00 am – 11:05 am 218 - Does a Patient's Ability to Localize their Pain Improve Outcomes and Decrease Cost?
Michael J. DeRogatis, MD, MS, St. Luke's University Hospital
- 11:05 am – 11:10 am 142 - A Missed Opportunity? Osteoporosis Treatment Following Femoral Neck Fractures
Elizabeth Rieger, BAS, Emory University
- 11:10 am – 11:15 am 211 - Does Topical Antibiotic Powder Administration in the Emergency Department Reduce Deep Surgical Site Infection in Type III Lower Extremity Fractures? A Multi-Center Study with Matched Historical Comparison
Mir Ibrahim Sajid, MD, Orthopaedic Trauma Service, Florida Orthopaedic Institute
- 11:15 am – 11:20 am 350 - The Impact of Pre-Existing Cervical Radiculopathy on the Development of Carpal Tunnel Syndrome Following Distal Radius Fractures: A Study of the Double Crush Hypothesis
Nirav K. Mungalpara, MD, MRCS, University of Illinois at Chicago
- 11:20 am – 11:25 am 357 - Can Artificial Intelligence Chatbots Effectively Triage Referrals to Pediatric Orthopaedists?
Don Le, BS, University of Texas Health Science Center at Houston
- 11:25 am – 11:30 am Discussion
- 11:30 am – 12:00 pm **Focused Lunch Presentation**
**CME Credit not available*
- 12:00 pm – 12:30 pm **Dessert Break with Exhibitors**

Symposium 3 – Trauma

Moderator: Brandi R. Hartley, MD, University of Louisville

- 12:30 pm – 12:50 pm Optimal Strategies for Distal Femur Fracture Management: A Dueling Experts' Perspective
Kevin K. Kang, MD, Maimonides Medical Center
Paul Tornetta, MD, PhD, Boston Medical Center
- 12:50 pm – 1:50 pm Orthopedic Trauma Reflections in High-Impact Cases: My Approach, Where It Went Wrong, and Strategies for Revision and Correction
- Moderator:** *Richard S. Yoon, MD, RWJ Barnabas Health*
- Panel:** *Brandi R. Hartley, MD, University of Louisville*
Alex Jahangir, MD, Vanderbilt University
Kyle Jeray, MD, Prisma Health
Kevin K. Kang, MD, Maimonides Medical Center
Hassan R. Mir, MD, MBA, Florida Orthopaedic Institute
Paul Tornetta, MD, PhD, Boston Medical Center

Rapid Fire Sessions 1A – Upper Extremity

- 1:55 pm – 1:59 pm 367 - Assessment of Range of Motion Limitations in Carpometacarpal Osteoarthritis and Their Correlation with Radiographic Severity
Mariam S. Banoub, BS, University of Illinois at Chicago
- 1:59 pm – 2:03 pm 180 - AI Text-to-Image Generators and the Lack of Diversity in Hand Surgeon Demographic Representation
Sonal Kumar, BA, Ross University School of Medicine
- 2:03 pm – 2:07 pm 251 - Neuropathic Links to Complex Regional Pain Syndrome after Distal Radius Fracture
Nirav K. Mungalpara, MD, MRCS, University of Illinois at Chicago
- 2:07 pm – 2:11 pm 265 - Area-Level Deprivation is Not Associated with Carpal Tunnel Treatment Course
Malik J. Scott, BA, The University of Chicago Pritzker School of Medicine
- 2:11 pm – 2:15 pm 414 - Unintentional Weight Loss Raises Mortality Risk in Distal Radius Surgery
Zachariah Shearon, SUNY Downstate Health Sciences University
- 2:15 pm – 2:20 pm Discussion

- 2:20 pm – 2:24 pm 198 - Neural Network Analysis of Operative Efficiency in Carpal Tunnel Release Surgeries
Jonathan G. Willard, BS, Howard University Hospital
- 2:24 pm – 2:28 pm 444 - Association of Hand Surgeons' Social Media Presence on Patient-Reported Ratings
Sameer R. Khawaja, BS, Emory University School of Medicine
**Presented by Ujjawal B Savani, BS*
- 2:28 pm – 2:32 pm 326 - Long Head of the Biceps Tenodesis: Anatomic vs. Traditional Tensioning Technique
Amir Boubekri, MD, Loyola University Medical Center
- 2:32 pm – 2:36 pm 445 - Reverse Shoulder Arthroplasty Provides Durable Outcomes Regardless of Diagnosis
Vani J. Sabesan, MD, Orthopaedic Center of Palm Beach County
- 2:36 pm – 2:40 pm 33 - Comparison of 3 Treatments for Fractures of the Humeral Shaft
Neil J. Werthmann, MD, MS, Medical City Denton Orthopaedic Surgery
- 2:40 pm – 2:45 pm Discussion

Rapid Fire Sessions 1B – Spine

- 1:55 pm – 1:59 pm 57 - Plastics Closure in Multilevel Posterior Spine Fusion for Spinal Deformity
Sarah Trent, MD, Northwell Health
- 1:59 pm – 2:03 pm 368 – Comparing MI-TLIF and Open TLIF for 2-Level Degenerative Disc Disease
Harjot Uppal, MBA, St. Joseph's University Medical Center
- 2:03 pm – 2:07 pm 195 - Racial Disparities in Lumbar Fusion Outcomes: A Comprehensive Multivariate Analysis
Jeffrey Wang, BS, George Washington University School of Medicine and Health Sciences
- 2:07 pm – 2:11 pm 227 - iFUSE TORQ Implantation System for Sacral Fragility Fractures
Richard Yoon, MD, RWJ / Barnabas Health
- 2:11 pm – 2:15 pm 532 - Using Dynamic Time Warping to Find Patterns in Coronal Spinal Alignment
Jennifer Yu, BS, Icahn School of Medicine at Mt. Sinai
- 2:15 pm – 2:20 pm Discussion

2:20 pm – 2:24 pm	61 - The Role of Local Vancomycin Powder in Posterior Spine Surgery <i>Danila Babushkin, BA, orthwell Health</i>
2:24 pm – 2:28 pm	70 - Single vs. Multilevel Fusions in Setting of Multilevel Lumbar Decompressions <i>Philip P. Ratnasamy, BS, Yale School of Medicine</i>
2:28 pm – 2:32 pm	178 - Operative Time Associated with Increased Length of Stay after Single-Level Cervical Disc Arthroplasty: An Analysis of 3,681 Surgeries <i>Mitchell K. Ng, MD, Maimonides Medical Center</i>
2:32 pm – 2:36 pm	67 - Utility and Compliance with Mobile Applications for Rehabilitation Following TLIF <i>Adam Cole, BS, Geisinger Commonwealth School of Medicine</i>
2:36 pm – 2:40 pm	63 - Goutallier Grading of Spinal Musculature as a Predictor of Cage Subsidence <i>Frank L. Vazquez, BSAT, Geisinger Commonwealth School of Medicine</i>
2:40 pm – 2:45 pm	Discussion

Rapid Fire Sessions 1C – Sports Medicine

1:55 pm – 1:59 pm	153 - Impact of Mood Disorders on Arthroscopic Partial Meniscectomy Outcomes <i>Ankit Hirpara, MS, University of Colorado Anschutz Medical Campus</i>
1:59 pm – 2:03 pm	90 - A Novel Technique to Locate the ACL Center Using Femoral Size <i>Benjamin Murray, DO, Naval Air Station Pensacola</i>
2:03 pm – 2:07 pm	458 - Reliability of Semiautomated 3D Landmarks on Knee Models <i>Nancy Park, BS, Yale School of Medicine</i>
2:07 pm – 2:11 pm	266 - Anterior Compartment Sparing Tibial Tubercle Osteotomy Utilizing Back-Cut Technique <i>Richard J. Rivera, BS, University of South Florida Morsani College of Medicine</i>
2:11 pm – 2:15 pm	309 - Improvements in Patient-Reported Outcomes of Patients Undergoing Staged, Bilateral Hip Arthroscopy for Femoroacetabular Impingement Syndrome is Sustained at 10-Year Follow-Up <i>Vishal Sundaram, BA, NYU Langone Orthopedics</i>
2:15 pm – 2:20 pm	Discussion
2:20 pm – 2:24 pm	124 - Do Healthy People Pass ACL RTS Testing? A Systematic Review

Audria Wood, BS, MPH, University of Alabama at Birmingham

2:24 pm – 2:28 pm

127 - Perioperative Work in Arthroscopic ACL Reconstruction is Undervalued by the RUC

Amit M. Momaya, MD, University of Alabama at Birmingham

2:28 pm – 2:32 pm

82 - Field Surface and Season-Ending Lower Extremity Injuries Among NFL Players

Nicholas J. Tsavaris, University of Georgia

2:32 pm – 2:36 pm

38 - MRI Prediction of Five-Strand Hamstring Autograft Diameter for ACL Reconstruction

Jack M. Ayres, MD, Prisma Health/University of South Carolina School of Medicine

2:36 pm – 2:40 pm

152 - Does Medicaid Insurance Status Decrease Access to Care for Patients with a Hip Labral Tear?

Jackson Byrd, University of Alabama at Birmingham

2:40 pm – 2:45 pm

Discussion

Rapid Fire Sessions 1D – Miscellaneous

1:55 pm – 1:59 pm

48 - A Retrospective Comparison of Coronal Plane Alignment of the Knee

Grace Knoer, BS, Georgetown University School of Medicine

1:59 pm – 2:03 pm

52 - A Delphi Method Study: Foundation Skills for Training Surgeons

Marlene DeMaio, MD, Drexel University Graduate School Of Education

2:03 pm – 2:07 pm

120 - Utility of Preoperative MRI in Pediatric Septic Arthritis of the Knee

Shrey Nihalani, BS, BA, University of Alabama Birmingham

2:07 pm – 2:11 pm

359 - Socioeconomic Factors and Their Impact on Time to Surgery and Complications in Pediatric Ankle Fractures

Andrea Munoz, BS, Albert Einstein College of Medicine

2:11 pm – 2:15 pm

404 - Pediatric Flat Feet - Revisited

John E. Handelsman, MD, FRCS, MCh, Orth, NYU Langone Ambulatory Care - Hassenfeld Children's Hospital

2:15 pm – 2:20 pm

Discussion

2:20 pm – 2:24 pm

58 - Is Choice of Approach Associated with Risk of Avascular Necrosis in Pediatric Septic Hip?

Shrey Nihalani, BS, BA, University of Alabama Birmingham

- 2:24 pm – 2:28 pm 431 - Assessing Access to Orthopaedic Care for Patients with Osteogenesis Imperfecta
Annemarie K. Leonard, MD, University of Nebraska Medical Center
- 2:28 pm – 2:32 pm 172 - Reducing AKI Rates: Individualized Fluid Protocol with Plethysmography and Hemoglobin
Riley McHugh, BS, St. Luke's School of Medicine
- 2:32 pm – 2:36 pm 352 - Reducing Postoperative Opioids Across Different Surgical Specialties- Enhanced Recovery Pathways
Wali U. Pirzada, Rothman Institute Foundation for Opioid Research and Education
- 2:36 pm – 2:40 pm 260 - Enhancing Orthopaedic Training: Evaluating Virtual Reality vs. Traditional Methods in Femoral Neck Fracture Fixation
Brett Segobiano, University of Illinois at Chicago
- 2:40 pm – 2:45 pm Discussion
- 2:45 pm – 3:05 pm ***BREAK — Please visit exhibits***

Symposium 4 – Adult Reconstruction

Moderator: George W. Brindley, MD, *Texas Tech Orthopedics*

- 3:05 pm – 3:20 pm Dueling Perspectives on Total Knee Replacement: Cemented vs. Uncemented Fixation – The Better Choice for Longevity and Outcomes
Kevin B. Fricka, MD, Anderson Orthopaedic Clinic
Matthew Deren, MD, Cleveland Clinic
- 3:20 pm – 3:35 pm Comprehensive Strategies for Joint Replacement Infections: Navigating from DAIR to Two-Stage Revisions for Optimal Outcomes
Vinay K. Aggarwal, MD, NYU Langone Health
- 3:35 pm – 4:35 pm Debate on the Evolving Landscape of Adult Reconstruction: Weighing Robotics Against a Spectrum of Advanced Arthroplasty Techniques

Moderator: *George W. Brindley, MD, Texas Tech Orthopedics*

Panel: *Vinay K. Aggarwal, MD, NYU Langone Health*
Matthew Deren, MD, Cleveland Clinic
Kevin B. Fricka, MD, Anderson Orthopaedic Clinic
Arturo Corces, MD, Miami Institute for Joint Reconstruction

Case Discussions:

- The Rise of Robotic TKA: Is This the Future of Total Knee Arthroplasty?
- Expanding UKA Utilization: Examining Indications and Techniques
- Pursuing Permanence in Primary THA: Approaches, Robotics, and Dual Mobility Liners

General Session 3 – Presidential Guest Speaker

Moderator: Afshin E. Razi, MD, *Maimonides Spine Center*

4:35 pm – 5:05 pm Surviving Chaos: Unveiling the Crucial Lessons Trauma Surgery Taught Me About Trust in Crisis Moments
Alex Jahangir, MD, Vanderbilt University

5:05 pm – 5:10 pm Questions

General Session 4 – Strategies for Maximizing Revenue as a Hospital-Employed Surgeon

Moderator: Afshin E. Razi, MD, *Maimonides Spine Center*

5:10 pm – 5:25 pm Strategies for Maximizing Revenue as a Hospital-Employed Surgeon
Richard S. Yoon, MD, RWJ Barnabas Health

Friday, September 6th

6:00 am- 6:55 am **Scientific Poster** (Presenters are available to answer questions)

6:00 am- 6:55 am **E-Poster Session** (Presenters are available to answer questions)

7:00 am – 7:05 am **Announcements**
Afshin E. Razi, MD, Maimonides Spine Center

Symposium 5 – Sports

Moderator: James P. Ward, MD, *Blue Ridge Orthopaedic & Spine Center*

7:05 am – 7:15 am Foundations of Hip Preservation and Dysplasia Management: An Introduction
Allison E. Crepeau, MD, Connecticut Children's

7:15 am – 7:25 am Advancements in Adult Hip Preservation: Arthroscopy, Open Surgery, and Deciding Between Repair Vs Reconstruction
Thomas Youm, MD, NYU Langone Medical Center

7:25 am – 8:20 am

Knee Surgery Dilemmas Unfolded: Dueling Perspectives on ACL Repair, Chondral Restoration, and Meniscus Healing Techniques

Moderator: *Thomas M. DeBerardino, MD, University of Texas at San Antonio*

Panel: *Allison E. Crepeau, MD, Connecticut Children's*
Jeffrey R. Dugas, MD, Andres Sports Medicine & Orthopaedic Center
Reza Jazayeri, MD, Southern California Permanente Medical Group
Scott A. Sigman, MD, Orthopedic Surgical Associates of Lowell
Thomas Youm, MD, NYU Langone Medical Center

Case Discussions:

- Current Controversies and Consensus in ACL Repair: Evaluating Modern Techniques in Today's Surgical Arsenal
- Contrasting Approaches to Knee Chondral Injury Management: Finding the Effective Strategy
- Navigating Meniscus Tear Management: Repair vs. Transplantation and the Role of Biologic Augmentation

General Session 5 – Medical Student/Resident Research Award Presentations

Moderator: *Afshin E. Razi, MD, Maimonides Spine Center*

**CME Credit not available*

8:20 am – 8:25 am

229 - Investigating the Impact of Health Insurance on the Treatment of Distal Radius Fractures
Lawrence J. Lin, MD, NYU Langone Health

8:25 am – 8:30 am

189 - The Electronic Medical Record Burden on Surgeons Who Perform Total Joint Replacement
Christina A Stach, BS, Geisel School of Medicine at Dartmouth

8:30 am – 8:35 am

135 - Anatomic vs. Reverse Total Shoulder Arthroplasty with ?95 SANE Scores
Albert Mousad, BS, Tufts University School of Medicine

8:35 am – 8:40 am

401 - Definitions of Return to Play after Medial UCL Injuries
Andrew H.A. Kaiser, BS, University of Florida

8:40 am – 8:45 am

19 - Impact of WALANT for Ganglion Cyst Removal in Pediatric Patients
Lisa M. Tamburini, MD, University of Connecticut

8:45 am – 8:50 am

Discussion

8:50 am – 9:20 am **Focused Breakfast Presentation**
**CME Credit not available*

9:20 am – 9:50 am **BREAK — Please visit exhibits**

Symposium 6 – Hand and Elbow

Moderator: Brendan J. MacKay, MD, *Texas Tech Physicians*

9:50 am – 10:05 am Elbow Evolution 2024: The Convergence of Flexibility and Strength – Navigating Soft Tissue, Trauma, and Arthritis
Jeffrey R. Dugas, MD, Andrews Sports Medicine & Orthopaedic Center

10:05 am – 11:00 am Advancements and Controversies in the Treatment of Hand and Wrist Disorders

Moderator: *Elizabeth Polfer, MD, William Beaumont Army Medical Center*

Panel: *Jack Choueka, MD, Maimonides Medical Center*
Lattisha L. Bilbrew, MD, Resurgens Orthopaedics
Alfonso Mejia, MD, University of Illinois at Chicago
Michael R. Redler, MD, Connecticut Orthopaedics

Case Discussions:

- Unraveling the Challenges of Scaphoid Nonunion: Strategies for Effective Diagnosis and Management
- Kienböck's Disease: Understanding Its Pathophysiology and Exploring Innovative Treatment Options
- DRUJ Arthritis: A Deep Dive into its Etiology, Impact, and Advanced Therapeutic Interventions
- Navigating PIP Fracture Dislocations: from Precision in Diagnosis to Excellence in Treatment

General Session 6 – George W. Brindley, MD Lectureship: Mark Frankle, MD

Moderator: Frederick C. Flandry, MD, FACS, *The Hughston Clinic*

11:00 am – 11:25 am 2024 Vision for Reverse Shoulder Arthroplasty: Reflecting on Origins, Evaluating Today, and Anticipating Tomorrow
Mark A. Frankle, MD, Florida Orthopaedic Institute

11:25 am – 11:35 am Questions

11:35 am – 12:20 pm **Legally Mine Luncheon Presentation**
**CME Credit not available*

12:20 pm – 12:50 pm **Dessert Break with Exhibitors**

General Session 7 – Dr. and Mrs. J. Elmer Nix Presentation and Lecture: Joseph D. Zuckerman, MD

Moderator: Afshin E. Razi, MD, *Maimonides Spine Center*

12:50 pm – 12:55 pm Introduction of Dr. and Mrs. J. Elmer Nix Award Recipient
Afshin E. Razi, MD, Maimonides Spine Center

12:55 pm – 1:25 pm Integrating New Technologies in Orthopedic Practice: Balancing
Ethics, Economics, and Enhanced Patient Care
Joseph D. Zuckerman, MD, NYU Langone Medical Center

1:25 pm – 1:30 pm Questions

1:30 pm – 1:55 pm Biologics in Orthopaedic Surgery: A Comprehensive 2024 Update
on Cutting-Edge Treatments
Luga Podesta, MD, Bluetail Medical Group – Naples

Symposium 7 – Shoulder Debate

Moderator: Ramin Sadeghpour, MD, *Maimonides Medical Center*

1:55 pm – 2:55 pm Shoulder Showdown: Expert Debate on Proximal Humerus
Fractures, Massive Rotator Cuff Tears, and Degenerative Joint
Disease with Glenoid Wear

Moderator: *Ramin Sadeghpour, MD, Maimonides Medical
Center*

Panel: *Mark A. Frankle, MD, Florida Orthopaedic
Institute
Mark A. Mighell, MD, Florida Orthopaedic
Institute
Joseph D. Zuckerman, MD, NYU Langone Medical
Center*

2:55 pm – 3:15 pm **BREAK — Please visit exhibits**

General Session 8 – Presidential Address and Medallion Exchange

3:15 pm – 3:45 pm Presidential Address
Afshin E. Razi, MD, Maimonides Spine Center

3:45 pm – 3:50 pm Medallion Exchange

General Session 9 – Physician Wellness

Moderator: Afshin E. Razi, MD, *Maimonides Spine Center*

3:50 pm – 4:30 pm Precision Longevity: Re-thinking What It Means to Live Long and Prosper
Vonda J. Wright, MD, MS, FAOA, The Hughston Clinic

4:30 pm – 4:45 pm Optimizing the Surgeon's Performance
Reza Jazayeri, MD, Southern California Permanente Medical Group

Rapid Fire Sessions 2A – Trauma

4:50 pm – 4:54 pm 296 - Perioperative Dexamethasone and Length of Stay in Lower Extremity Fractures
Tanios Dagher, BSE, University of Chicago

4:54 pm – 4:58 pm 17 - Intraoperative Periprosthetic Fracture Rate in Elderly Patients Undergoing Hip Hemiarthroplasty: A Comparison of Uncemented and Cemented Stems
Michael J. DeRogatis, MD, MS, St. Luke's University Hospital

4:58 pm – 5:02 pm 322 - Techniques for Segmental Femur Defect Fixation: A Systematic Review
Neil Jain, MD, Texas Tech University Health Sciences Center

5:02 pm – 5:06 pm 484 - Lateral Third Clavicular Fracture Fixation with a Hook Plate
Devon Pekas, MD, MS, Carilion Clinic
**Presented by Alexander Garcia, BS*

5:06 pm – 5:10 pm 47 - Comparison of Supplemental Fibula Fixation for Closed Tibial Plafond Fractures
Mark A. Plantz, BS, Northwestern University, Feinberg School of Medicine

5:10 pm – 5:14 pm 165 - Evaluation of Artificial Intelligence Methods for Fracture Detection in Orthopedic X-Rays
S. Shamtej Singh Rana, BS, KP Bernard J. Tyson School of Medicine

5:14 pm – 5:20 pm Discussion

5:20 pm – 5:24 pm 99 - What Factors Affect the Stability of Trimalleolar Ankle Fracture-Dislocations?
Achraf H. Jardaly, MD, SSM Saint Louis University Hospital

5:24 pm – 5:28 pm 104 - Depressive Disorder and Trimalleolar Fractures: An Analysis of Outcomes and Costs
Ameer Tabbaa, MD, Maimonides Medical Center

5:28 pm – 5:32 pm 299 - Socioeconomic Disadvantage Predicts Decreased In-Hospital Ambulation After Hip Fracture Surgery
Mohammed M. Bashier, BA, Albert Einstein College of Medicine

5:32 pm – 5:36 pm 161 - Extensor Retinaculum Syndrome: A Novel Adult Case Series
Bradley A. Carlson, MD, MBA, Loma Linda University Health

5:36 pm – 5:40 pm 54 - Comparison of Open, Percutaneous, and Mini-Open Repair in the Treatment of Achilles Tendon Ruptures: A Meta-Analysis of Comparative Studies
Thomas Cho, BS, University of Toledo College of Medicine and Life Sciences

5:40 pm – 5:44 pm 77 - Methamphetamine and Complications in Lower Extremity Trauma
Mikayla Kricfalusi, BA, California University of Science and Medicine

5:44 pm – 5:50 pm Discussion

Rapid Fire Sessions 2B – Shoulder & Elbow

4:50 pm – 4:54 pm 348 - Improving Surgical Trainee Knot-Tying Proficiency with the Fundamentals of Arthroscopic Surgical Training Workstation
Hassan Farooq, BS, Loyola University Medical Center

4:54 pm – 4:58 pm 434 - Type V Acromioclavicular Joint Dislocation Reduction Loss After Acute Fixation
Hannah Gibbs, MD, Walter Reed National Military Medical Center

4:58 pm – 5:02 pm 501 - Return to Play Among NHL Players Following Shoulder Surgery
Hayden Hartman, BS, Lincoln Memorial University

5:02 pm – 5:06 pm 443 - Understanding the Effect of Interscalene Blocks on Pulmonary Function
Devin John, MD, Orthopaedic Center of Palm Beach County

5:06 pm – 5:10 pm 378 - Effectiveness of Cannabidiol vs. Narcotics for Post Operative Pain Control in Elective Shoulder Arthroscopic Surgery
Tantien Nguyen, BS, Foundation For Research and Education

5:10 pm – 5:14 pm 534 - Complications/Risk Factors following Reverse vs. Anatomic TSA for Osteoarthritis
Suhas R. Velichala, BS, Virginia Commonwealth University School of Medicine

5:14 pm – 5:20 pm Discussion

- 5:20 pm – 5:24 pm 130 - Improvement in Sleep Disturbance Following Arthroscopic Rotator Cuff Repair
Albert Mousad, BS, Tufts University School of Medicine
- 5:24 pm – 5:28 pm 253 - Outcomes of Reverse Shoulder Arthroplasty with Prior Distal Clavicle Excision
Jonathan A. Benjamin, BS, University of Florida College of Medicine
- 5:28 pm – 5:32 pm 415 - Anatomic and Reverse Total Shoulder Arthroplasty Outcomes with Intact Rotator Cuffs
Jason Howard, BS, Loyola University Chicago Stritch School of Medicine
- 5:32 pm – 5:36 pm 111- Outcomes Utilizing a Patient Care Coordination Team in Shoulder Arthroplasty
Yulia Lee, BS, Georgetown University School of Medicine
- 5:36 pm – 5:40 pm 248 - Influence of Os Acromiale on Outcomes after Reverse Shoulder Arthroplasty
Carl D. Pfaehler, BA, University of Florida College of Medicine
- 5:40 pm – 5:44 pm 456 - Socioeconomic Status Impact on Shoulder Arthroplasty Clinical Outcomes and Survivorship
Logan Wright, BA, University of Florida College of Medicine
- 5:44 pm – 5:50 pm Discussion

Rapid Fire Sessions 2C – Foot & Ankle

- 4:50 pm – 4:54 pm 509 - Minimally Invasive Transverse and Akin Osteotomies for Hallux Valgus
Dino Fanfan, BS, Baptist Health South Florida
- 4:54 pm – 4:58 pm 407 - Clinical and Radiographic Outcomes of a Bio-Integrative Hammertoe Correction Implant
Thelma R. Jimenez Mosquea, MD, NYU Langone Health
- 4:58 pm – 5:02 pm 93 - Does IER Reinforcement Improve Clinical Outcomes in Arthroscopic ATFL Repair? A Meta-Analysis
Benjamin Murray, DO, Naval Air Station Pensacola
- 5:02 pm – 5:06 pm 174 - Outcomes of Standard vs. Low-Profile Interlocking Screws for Intramedullary Nailing of Tibia Fractures Cesar Ramirez
Cesar A. Ramirez, BA, Sam Houston State College of Osteopathic Medicine
**Presented by Johnathan Arias, MD*

5:06 pm – 5:10 pm	154 - Impact of First Metatarsophalangeal Joint Arthrodesis on First Tarsometatarsal Joint Alignment <i>Ankit Hirpara, MS, University of Colorado Anschutz Medical Campus</i>
5:10 pm – 5:14 pm	385 - Early Outcomes Support Nitinol Staples for Arthrodesis of Lisfranc Injuries <i>Albert Brotgandel, BS, USF Morsani College of Medicine</i>
5:14 pm – 5:20 pm	Discussion
5:20 pm – 5:24 pm	424 - The Impact of Hypothyroidism on Trimalleolar Fracture Outcomes <i>Lindsey N. Peng, BS, UT Health San Antonio</i>
5:24 pm – 5:28 pm	408 - The Impact of Diabetic Neuropathy on Trimalleolar Fracture Outcomes <i>Blaire Peterson, BS, UT Health San Antonio</i>
5:28 pm – 5:32 pm	50 - Management of Calcaneal Cysts with Endoscopic Techniques: A Systematic Review and Technical Note <i>Nazanin Kermanshahi, BS, Arizona College of Osteopathic Medicine</i>
5:32 pm – 5:36 pm	86 - PROMIS Score Impact on the Extent of Plantar Fasciitis Treatment <i>Christopher Toussaint, MD, Prisma Health University of South Carolina</i>
5:36 pm – 5:40 pm	116 - Evaluating AI Language Model Quality of Information Regarding Achilles Rupture <i>Christopher Collins, BA, California University of Science and Medicine</i>
5:40 pm – 5:44 pm	40 - The Effect of Timing of Initiation, Duration, and Total Number of Castings Received on Incidence of Recurrence in Adolescent Populations with Idiopathic Congenital Talipes Equinovarus <i>Meranda Hooker, BS, CNA, EMT, Children's Hospital of Los Angeles, University of Southern California</i>
5:44 pm – 5:50 pm	Discussion

Rapid Fire Sessions 2D – Total Joint

4:50 pm – 4:54 pm	381 - A Machine Learning Model for the Selection of Cementless Total Knee Arthroplasty <i>Anna Duncan, BS, University of Louisville Orthopedics</i>
4:54 pm – 4:58 pm	270 - Effect of Cannabis and Tobacco Use on Recovery Outcomes after Total Knee Arthroplasty

Mudassir Khan, University of Illinois at Chicago

- 4:58 pm – 5:02 pm 245 - Survivorship of Metaphyseal Cones in Aseptic Revision TKA With a Minimum 5-Year Follow-Up
Sam Mashni, BS, University of Louisville School of Medicine
- 5:02 pm – 5:06 pm 442 - Utilizing 3D-Printed Patient-Specific Porous Titanium Cones in Complex Primary and Revision Total Knee Arthroplasty
Maryam Salimi, MD, Denver Health
- 5:06 pm – 5:10 pm 184 - Conventional vs. Robotic Medial UKA: A 20-Year Analysis of Outcomes
John Wilson, MD, USF Orthopaedic Surgery
- 5:10 pm – 5:14 pm 403 - Impact of Postoperative Sleep Medication Use on 90-Day TKA Complications
Bill Young, BS, Stanford University
- 5:14 pm – 5:20 pm Discussion
- 5:20 pm – 5:24 pm 318 - Comparative Analysis of JIPCR Panel vs. Conventional Culture in PJI
Vinay K. Aggarwal, MD, NYU Langone Orthopedic Hospital
- 5:24 pm – 5:28 pm 331 - Effect of Total Hip Arthroplasty Bearing Type on Risk of Revision in the Younger Population via the American Joint Replacement Registry
Akshay Reddy, BS, University of Florida College of Medicine
- 5:28 pm – 5:32 pm 183 - Impact of Social Deprivation on Racial Disparities in THA Outcomes
Rodnell Busigo Torres, BS, Icahn School of Medicine at Mount Sinai
- 5:32 pm – 5:36 pm 316 - Pre-Operative Vitamin D and Outcomes Following Total Joint Arthroplasty
Sarthak Aggarwal, BS, University of Chicago
- 5:36 pm – 5:40 pm 201 - BMI Does Not Capture the Relevant Obesity Data in Primary Total Joint Arthroplasty Patients
John Heifner, MD, Miami Orthopaedic Research Foundation
- 5:40 pm – 5:44 pm 237 - Harnessing Neural Networks to Predict Complications in Pediatric Hip & Knee Arthroplasty
Roxana Martinez, MD, Case Western Reserve University / University Hospitals Cleveland Medical Center
- 5:44 pm – 5:50 pm Discussion

Saturday, September 7th

6:00 am- 6:55 am **Scientific Poster** (Presenters are available to answer questions)

6:00 am- 6:55 am **E-Poster Session** (Presenters are available to answer questions)

7:00 am – 7:05 am **Announcements**
Afshin E. Razi, MD, Maimonides Spine Center

Symposium 8 – Orthopaedic Oncology

Moderator: Caroline Chebli, MD, *University of South Florida*

7:05 am – 7:20 am Addressing the Complexities of Bone Metastases: Diagnostic and
Therapeutic Strategies
Matthew R. DiCaprio, MD, Albany Med Health System

7:20 am – 7:35 am Understanding Spine Metastases: A Guide for General
Orthopaedic Surgeons
*Joshua C. Patt, MD, MPH, FAOA, Atrium Health Levine Cancer
Institute*

7:35 am – 8:25 am Oncology Debate – Case Presentation/Discussion

Moderator: Caroline Chebli, MD, *University of South Florida*

Panel: *Matthew R. DiCaprio, MD, Albany Med Health
System
Joshua C. Patt, MD, MPH, FAOA, Atrium Health
Levine Cancer Institute*

General Session 10 – Medical Student/Resident Research Award Presentations

Moderator: Afshin E. Razi, MD, *Maimonides Spine Center*

**CME Credit not available*

8:25 am – 8:30 am 397 - Classifying Psoas Morphology to Optimize OLIF and XLIF
Outcomes
Harjot Uppal, MBA, St. Joseph's University Medical Center

8:30 am – 8:35 am 338 - Patients Undergoing Hip Arthroscopy for Femoroacetabular
Impingement Have Increased Cross Sectional Area of the Gluteus
Maximus After Surgery which Correlates with Patient Reported
Outcomes
Brittany DeClouette, MD, NYU Langone

8:35 am – 8:40 am 271 - Assessing GLP-1 Receptor Agonist Impact on Postoperative
Complications in Total Hip Arthroplasty Patients

Apurva S. Choubey, MD, University of Illinois at Chicago

8:40 am – 8:45 am 490 - Increasing Time to Flap Coverage is Associated with Surgical Site Infections in Open Fractures of the Lower Extremity
Victor Koltenyuk, BA, New York Medical College

8:45 am – 8:50 am 506 - The Diagnostic Accuracy of Machine Learning on Adult Wrist Radiographs
Reem Sarsour, BS, California University of Science and Medicine

8:50 am – 8:55 am Discussion

Symposium 9 – Foot and Ankle

Moderator: Ramon F. Rodriguez, MD, *Alabama Orthopaedic Clinic*

8:55 am – 9:15 am Revitalizing Your Stride: A Sultry Guide to Preparing for Ankle Arthroplasty or Fusion
Lew C. Schon, MD, Mercy Medical Center

9:15 am – 10:15 am Mastering the Complex Terrain: Navigating Advanced Ankle Reconstruction Strategies

Moderator: *Ramon F. Rodriguez, MD, Alabama Orthopaedic Clinic*

Panel: *Craig S. Radnay, MD, MPH, Florida Orthopaedic Institute*
Lew C. Schon, MD, Mercy Medical Center
Steven D. Steinlauf, MD, University of Miami

Case Discussions:

- Realigning Paths: Innovative Approaches in Treating Malunions of Ankle Fractures
- Overcoming Obstacles: Strategies for Large and Failed Talar Osteochondral Defects
- Stabilizing the Course: Addressing Persistent Ankle Instability and the Impact of Varus or Valgus Deformities through Revisions and Osteotomies

10:15 am – 10:30 am ***REFRESHMENT BREAK***

Symposium 10 – Spine

Moderator: Kartik Shenoy, MD, *Mike O'Callaghan Military Medical Center, Nellis Air Force Base*

10:30 am – 10:50 am The 2024 Scope on Endoscopic Spine Surgery: Enhancing Recovery, Evaluating Limitations

Yong H. Kim, MD, NYU Langone Spine Center

10:50 am – 11:45 am

Spine Surgery Horizon 2024: Debating the Merits of Endoscopic Innovations, Non-Fusion Technologies, and Robotic vs. Manual Precision

Moderator: *Ahmed Saleh MD, Southeast Orthopaedic Specialists*

Panel: *Yong H. Kim, MD, NYU Langone Spine Center
Emmanuel N. Menga, MD, University of Miami,
Leonard M. Miller School of Medicine
Antonio Webb, MD, San Antonio, TX
1 more speaker*

11:45 am – 11:55 am

Award Presentation

11:55 am – 12:15 pm

Clinical Orthopaedic Society Annual Membership and Business Meeting

COS Medical Student Agenda

12:30 PM - 1:30 PM: Lunch/Welcome/Mentorship Announcements (if missed Friday night)

1:00 PM - 1:20 PM: Paths to Ortho: Process Overview (20 min)

1:20 PM - 1:30 PM: Signaling Update (10 min)

1:30 PM - 2:00 PM: A Day in the Life Resident Panel (Residents: 4 or 5, academic private/blue/white collar diverse panel)

2:00 PM - 2:20 PM: Q&A Session (Program directors invited)

2:20 PM - 2:30 PM: Teams Assigned, Develop Team Name

2:30 PM - 4:00 PM: Team Competition (M1-M4)

Station #1: Timed external fixator placement (Delta frame) with stability being the primary outcome, time second.

Station #2: 20 Radiographs - team must identify the bony abnormalities.

Station #3: Timed plating of an ulna with stability/reduction being the primary outcome, time second

Station #4: Identify the eponyms (approaches, injuries, anatomy)

4:00 PM - 4:15 PM: Coffee Break with Snacks

4:15 PM - 5:00 PM: Speed Mentoring with Faculty/Residents (Topics: Letters of Recommendation, Signaling Guidance, Family Planning/"Work-Work Balance", Research Success, Away Rotation Do's/Don'ts, Financial Planning/Advice, Match Day/Ranking, Intern Year Recommendations from the Pros)

COS Residents Agenda

12:30 PM - 1:30 PM: Lunch/Welcome/Mentorship Announcements (if missed Friday night)

1:00 PM - 1:50 PM: Business Side of Medicine

Contracts/Negotiations/Practice Planning: Review with Quick Recommendations (30 min)

Faculty Q&A Panel: Academic Private Hospital Employed, Same Job/Changed Jobs (ideally some who have tried multiple avenues if possible) (20 min)

1:50 PM - 2:00 PM: Teams Assigned, Develop Team Name

2:00 PM - 4:00 PM: Team Competition (PGY1-PGY5 diverse teams)

Station #1: Arthroscopy foreign body removal and meniscal repair (knee trainer)
Station #2: Intramedullary nailing of a proximal tibia shaft fracture (sawbones)
Station #3: Distal humerus soft tissue sawbones ORIF
Station #4: Orthopaedic Knowledge Trivia

4:00 PM - 4:15 PM: Coffee Break with Snacks

4:15 PM - 5:00 PM: Speed Mentoring with Faculty (Topics: Fellowship Letters of Recommendation, Family Planning/"Work-Work Balance", Research Success, Financial Planning/Advice, First Year Do's/Don'ts, Contract Negotiations, Physician Extenders: How to Utilize, Time Management/Workload Expectations)

Physician Extender Program

1:00 PM Welcome and Lunch

1:15 PM Introduction to Pacira History of Cryoneurolysis

1:45 PM Hands-on with iovera^o

2:30 PM iovera^o Orthopedic Applications

- Superficial Genicular Nerves
- Deep Genicular Nerves
- Nerves of the Foot and Ankle
- Suprascapular Nerve
- Axillary Nerve

Orthopedic Applications Scanning
Hand-Eye Pork Shoulder
Tactile Practice

5:00 PM Close Program