

**COS Scientific Program**  
**August 26 – 29, 2026**  
**Louisville, KY**  
**(Presenters and times are subject to change.)**

**Wednesday, August 26**

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, August 27**

6:00 am – 7:00 am            **Scientific Poster/E-Poster Session** (Presenters are available to answer questions.)

7:00 am – 7:20 am            **Presentation of Colors, Welcome and Opening Remarks**  
*CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD, EdD, COS President*  
*Paul Celestre, MD, Scientific Program Chair*

**Symposium 1 – Horse Sense: Learning from Horses. Advancements in Equine Health Care and How it Translates to Our Patients**

**Moderator:** CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD, EdD  
*\*CME Credit not available*

7:20 am – 7:25 am            Introduction  
*CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD, EdD*

7:25 am – 7:45 am            Veterinary Insights to Equine Welfare and Safety at Churchill Downs  
*William Farmer, DVM, Equine Medical Director, Churchill Downs Incorporated*

7:45 am – 8:05 am            TBD

8:05 am – 8:15 am            Questions

**8:15 am – 8:35 am**            **Focused Breakfast Presentation**  
*\*CME Credit not available*

8:45 am – 9:05 am            ***BREAK – Please visit Exhibits***

## **Symposium 2 – Jockey Health Care Program**

**Moderator:** Brian M. Grawe, MD, *Cincinnati College of Medicine*

- 9:05 am – 9:25 am            Jockey Health Care Program Panel Discussion  
*William Farmer, DVM, Equine Medical Director, Churchill Downs Incorporated*  
*Jennifer FitzPatrick, MD, Colorado State University – Pueblo*  
*Victor J. Kremser, DO, Norton Sports Health Performance & Wellness Center*
- 9:25 am – 9:30 am            Questions
- 9:30 am – 9:50 am            How the Organized Care of Performance Athletes Improves Outcomes and Patient Health  
*Victor J. Kremser, DO, Norton Sports Health Performance & Wellness Center*
- 9:50 am – 10:00 am        When the Doctor is the Program  
*Jennifer FitzPatrick, MD, Colorado State University – Pueblo*
- 10:00 am – 10:10 am        Questions

## **Symposium 3 – Reimagining Hand Surgery Training: Legacy, Mastery, and the Future of Specialization**

**Moderator:** Rodrigo Moreno, MD, *Kleinert Kutz Hand Care Center*

- 10:10 am – 10:25 am        Kleinert and Kutz: Vision, Innovation, and Global Influence  
*Rodrigo Moreno, MD, Kleinert Kutz Hand Care Center*
- 10:25 am – 10:40 am        Flexor Tendon Surgery before and after Kleinert  
*Dan Mass, MD, University of Illinois*
- 10:40 am – 10:55 am        Education Debate: A Pro Early Specialization  
*Amit Gupta, MD, Norton Healthcare*
- 10:55 am – 11:10 am        Education Debate: Anti Early Specialization  
*Brendan J. MacKay, MD, Texas Tech Physicians*
- 11:10 am – 11:20 am        Questions
- 11:20 am – 11:40 am        ***Break – Please visit exhibits***

## **Rapid Fire Session 1A – Basic Science, Tumor, Pediatrics**

**Moderator:** TBD

- 11:40 am – 11:44 am 388 - Does Platelet-Rich Plasma Improve Osteochondral Allograft Outcomes?  
*Mallory Ehlers, BS, NYU Langone Orthopedics*
- 11:44 am – 11:48 am 473 - Impact of Mifamurtide on Survival in Surgically Treated Non-Metastatic Osteosarcoma  
*Juan J. Serrato Rodriguez, Universidad Marista de Merida*
- 11:48 am – 11:52 am 95 - Evaluating MRI Precision in Pedicle Screw Dimensions for Scoliosis  
*Victoria Koffi, BS, University of California San Francisco School of Medicine*
- 11:52 am – 11:56 am 570 - The Effects of Disease Burden on Body Height Growth Patterns in Growing Children  
*Mara S. Karamitopoulos, MD, NYU Langone*
- 11:56 am – 12:00 pm 417 - Embedding Hip Surveillance into the Electronic Medical Records (EMR): Integrating Surveillance and Surgical Care in Cerebral Palsy  
*Zina S. Smadi, MD, The University of Jordan*
- 12:00 pm – 12:04 pm 169 - Impact of Social Determinants of Health on Appointment Attendance in Pediatric Orthopedic Care for Cerebral Palsy  
*Mara S. Karamitopoulos, MD, NYU Langone*
- 12:04 pm – 12:10 pm Discussion
- 12:10 pm – 12:14 pm 90 - Magnet Screening of External Fixators: Lab Assessment of MRI Safety  
*Troy B. Puga, DO, Medical City Denton*
- 12:14 pm – 12:18 pm 57 - Clinical and Radiographic Outcomes of Pediatric Supracondylar Humerus Fractures: Effects of Obesity and Age  
*Valeria Mucharraz, MS, MBA, Texas Tech Health Sciences Center*
- 12:18 pm – 12:22 pm 170 - Timeliness of Hip Surveillance in Children with Cerebral Palsy by Area-Level Socioeconomic Disadvantage  
*Mara S. Karamitopoulos, MD, NYU Langone*
- 12:22 pm – 12:26 pm 39 - Isotretinoin and Adolescent Growth: A Systematic Review  
*Siddharth Jasti, BS, Florida International University Herbert Wertheim College of Medicine*
- 12:26 pm – 12:30 pm 53 - Burosumab Use in Cutaneous Skeletal Hypophosphatemia Syndrome: A Systematic Review

*Karter B. Morris, BS, Texas Tech University Health Sciences  
Center School of Medicine*

12:30 pm – 12:34 pm      565 - Predicting Upper Extremity Motion Using Machine Learning  
in Cerebral Palsy Patients  
*Shriyaus R Lingam, BA, Rutgers New Jersey Medical School*

12:34 pm – 12:40 pm      Discussion

**Rapid Fire Session 1B – Foot & Ankle**

**Moderator:** TBD

11:40 am – 11:44 am      118 - Preoperative GLP-1 Receptor Agonist Use Is Not Associated  
with Pseudoarthrosis  
*Alexander J Baur, DO, Liberty University*

11:44 am – 11:48 am      571 - Outcomes of the Lapidus Procedure Using a Multiplanar  
Correction System  
*Thelma R. Jimenez Mosquera, MD, NYU Langone Health*

11:48 am – 11:52 am      274 - Utilizing the Plumblineline and Sgarlato's Angle in Metatarsus  
Adductus Diagnosis  
*Kyle Lorenzo, BA, BHSF - Orthopedic Institute*

11:52 am – 11:56 am      38 - Diagnostic Evaluation and Nonoperative Management of  
Lisfranc Injuries in Athletes  
*Scott D Semelsberger, BS, Virginia Tech Carilion School of  
Medicine*

11:56 am – 12:00 pm      19 - Comparison of 15-year Trends in the Surgical Treatment of  
Hallux Valgus Deformity: An Analysis of Operative Method  
Preferences and Early Complications  
*Jack M. Ayres, MD, Prisma Health/University of South Carolina  
School of Medicine*

12:00 pm – 12:04 pm      436 - FOOTAGE: Fracture Outcomes in Older Trauma - Ankle &  
Foot Geriatric Experience  
*Benjamin Hershfeld, DO, MBA, MPH, Northwell Health -  
Huntington Hospital*

12:04 pm – 12:10 pm      Discussion

12:10 pm – 12:14 pm      299 - Fragility of Randomized Controlled Trials in Achilles  
Tendon Rupture Management  
*Kyle Lorenzo, BA, BHSF - Orthopedic Institute*

- 12:14 pm – 12:18 pm      330 - Impact of Non-Tobacco Nicotine Use on Outcomes After Midfoot Arthrodesis  
*Anish K. Ponna, BS, Drexel University College of Medicine*
- 12:18 pm – 12:22 pm      321 - Psychiatric Disorders and Postoperative Recovery Following Achilles Tendon Repair  
*Ali Rteil, MD, MSc, Endeavor Health*
- 12:22 pm – 12:26 pm      563 - Isolated vs. Augmented FHL Transfer for Chronic Achilles Ruptures  
*Hugo A. Ubillus, MD, NYU Langone Health*
- 12:26 pm – 12:30 pm      408 - Operative and Nonoperative Management of 5<sup>th</sup> Metatarsal Fractures  
*Audrey Grabmeier, BA, Univ of Kansas School of Medicine*
- 12:30 pm – 12:34 pm      472 - Passive-Dynamic Ankle-Foot Orthosis Provides Improved PROs in Complex Hindfoot Deformity  
*Kashif Javid, BA, Henry Ford Health System*
- 12:34 pm – 12:40 pm      Discussion

**Rapid Fire Session 1C – Hand & Wrist**

**Moderator:** TBD

- 11:40 am – 11:44 am      268 - Insufficient Rehabilitation After Flexor Tendon Repair: Impact on Patient Outcomes  
*Daniel Bailey, MD, Foundation for Orthopaedic Research and Education*
- 11:44 am – 11:48 am      485 - Immobilization Material Influences The Effectiveness Of Cryotherapy: Three Dimensional Printed Casts Allow Greater Cooling Than Traditional Fiberglass  
*John N Pignataro, DO, Jefferson Health New Jersey*
- 11:48 am – 11:52 am      140 - Revision Rates and Characteristics After Open Trigger Finger Release Surgery  
*Anthony M. Castro, BA, Rothman Orthopaedic Institute at Drexel University College of Medicine*
- 11:52 am – 11:56 am      471 – A Randomized Controlled Trial of Pain Control after Wrist Surgery  
*Jennifer M. Wolf, MD, PhD, University of Chicago*
- 11:56 am – 12:00 pm      62 - Perioperative Hyperglycemia as a Predictor of Distal Radial Fracture Surgical Fixation in Geriatric Patients

*Shragvi Balaji, BA, Baylor College of Medicine*

- 12:00 pm – 12:04 pm 487 - Distal Ulna Fractures Worsen Patient Reported Outcomes After Distal Radius ORIF: Role Of Intramedullary Screw Fixation  
*John N Pignataro, DO, Jefferson Health New Jersey*
- 12:04 pm – 12:10 pm Discussion
- 12:10 pm – 12:14 pm 261 - Patient Outcomes Following Denied Rehabilitation After Total Wrist Arthroplasty: A Retrospective Review  
*Sofia B Restrepo, BA, Foundation for Orthopaedic Research and Education*
- 12:14 pm – 12:18 pm 48 - Functional Recovery After Traumatic Partial Hand Amputation Using the Starfish Procedure  
*Caroline Cushman, BS, Texas Tech University Health Sciences Center School of Medicine*
- 12:18 pm – 12:22 pm 264 - Retrospective Review: Revision Carpal Tunnel Release at a Single Institution  
*Michael Doarn, MD, Foundation for Orthopaedic Research and Education*
- 12:22 pm – 12:26 pm 551 - Comparing Adverse Events and Function After CMC Arthroplasty  
*Caden R. Moenning, BS, FIU HWCOC*
- 12:26 pm – 12:30 pm 154 - Incidence of Carpal Tunnel Release Following Distal Radius Fracture  
*Zachary Demetriou, BS, Rothman Orthopaedic Institute at Drexel University College of Medicine*
- 12:30 pm – 12:34 pm 583 - How Gender Influences Pain and Surgical Delay in Cubital Tunnel Syndrome  
*Alexander Hayek, BSA, Texas Tech University Health Science Center*
- 12:34 pm – 12:40 pm Discussion

**Rapid Fire Session 1D – Total Hip Arthroplasty**

**Moderator:** TBD

- 11:40 am – 11:44 am 3 - Restoring Mobility by Preserving Continence: A Multidisciplinary Urology-Orthopaedic Protocol for Hip Arthroplasty Patients to Prevent Catheter-Associated Urinary Complications

*Ojas Vijayanand V. Potdar, MD, Grant Government Medical College and JJ group of Hospitals Mumbai Maharashtra India*

- 11:44 am – 11:48 am 181 - Testosterone Replacement Therapy Without Hypogonadism Demonstrates Increased Complications Following THA  
*Varun Sharma, MD, University of Arizona College of Medicine - Phoenix*
- 11:48 am – 11:52 am 377 - Distinct Clinical Presentations of Trunnionosis With and Without Gross Trunnion Failure  
*Marisa Brito, BS, Emory University School of Medicine*
- 11:52 am – 11:56 am 424 - Advanced Imaging Does Not Improve Interobserver Reliability of the Paprosky Classification in Revision Total Hip Arthroplasty  
*Freddy Hung, MD, University of Miami*
- 11:56 am – 12:00 pm 326 - Robotics in Revision THA, Fewer Failures and Fewer Revisions  
*Ali Rteil, MD, MSc, Endeavor Health*
- 12:00 pm – 12:04 pm 346 - Irrigants in Infected Revision Hip Arthroplasty: Analysis Between Common Solutions  
*Richard Yoon, MD, RWJ / Barnabas Health*
- 12:04 pm – 12:10 pm Discussion
- 12:10 pm – 12:14 pm 200 - Increased Infection Rate After Aseptic Revision THA for Periprosthetic Fractures  
*Shaylan Bera, BS, University of Arizona College of Medicine*
- 12:14 pm – 12:18 pm 584 - Superior Clinical Outcomes for Direct Anterior Robotic-Assisted Total Hip Arthroplasty  
*Adam Elkholy, BS, St. Joseph's University Medical Center*
- 12:18 pm – 12:22 pm 573 - Mid-Term Results of ORIF and THA for Elderly Acetabular Fractures  
*Shriyaus R Lingam, BA, Rutgers New Jersey Medical School*
- 12:22 pm – 12:26 pm 282 - Atypical Hip Pain FAIS Shows Equivalent 10-Year Outcomes After Arthroscopy  
*Sangmin Lee, NYU Langone Orthopedics*
- 12:26 pm – 12:30 pm 308 - Surgical Approach and Early Outcomes in Hip Abductor Tendon Repair: Insights From a Multicenter Registry  
*Majd Mzeihem, MD, University of Illinois at Chicago*

12:30 pm – 12:34 pm 364 - Borderline Hip Dysplasia: Comparable Long-Term Outcomes and Survivorship to Controls, with Elevated Alpha Angles Predicting Inferior Results After Hip Arthroscopy"  
*Kobe Rodney, BA, BS, NYU Langone Orthopedics*

12:34 pm – 12:40 pm Discussion

**Rapid Fire Session 1E – Knee**

**Moderator:** TBD

11:40 am – 11:44 am 176 - Knee Denervation Frequently Requires Subsequent TKA Increasing Cost and Complications  
*Tyler T. Brady, BS, University of Arizona College of Medicine - Phoenix*

11:44 am – 11:48 am 453 - Genicular Artery Embolization (GAE) Increases Total Knee Arthroplasty (TKA) 90 Day Complications: A Propensity Matched Analysis  
*Zina S. Smadi, MD, The University of Jordan*

11:48 am – 11:52 am 521 - Risk-Taking Traits Do Not Influence Patellar Resurfacing Preference  
*Andrew R. Moya, MD, University of Miami Miller School of Medicine*

11:52 am – 11:56 am 319 - Characteristics and Outcomes of 'Windswept' Patients Undergoing Total Knee Arthroplasty  
*Richard Yoon, MD, RWJ / Barnabas Health*

11:56 am – 12:00 pm 252 - Changing Knee Cruciate Morphology Throughout Growth and Development  
*Julienne Ryland, DO, Akron Children's Hospital*

12:00 pm – 12:04 pm 324 - Posterior Cruciate Ligament Injury Drives Complications After Multiligament Knee Reconstruction  
*Ali Rteil, MD, MS, Endeavor Health*

12:04 pm – 12:10 pm Discussion

12:10 pm – 12:14 pm 111 - Single-Leg Step-Down Performance and Hip–Knee Biomechanics  
*Jeremy Burnham, MD, FAAOS, Ochsner Medical Complex*

12:14 pm – 12:18 pm	355 - Preoperative Intra-Articular Corticosteroid Injection Is Not Associated With Inferior Reoperation or Patient-Reported Outcomes Following Chondrocyte Implantation <i>Isabella B. Jazrawi, MS, MPH, New York University</i>
12:18 pm – 12:22 pm	75 - The Role of Donor Sex on Graft Failure in ACL Reconstruction: A Systematic Review <i>Michael Bartkoski, BS, University of Kansas Medical Center</i>
12:22 pm – 12:26 pm	566 - Low HDL Is Associated with Increased ACL Revision Risk <i>Thomas H. Mallory, BS, University of South Carolina School of Medicine Columbia</i>
12:26 pm – 12:30 pm	192 - Widespread Spin in PRP-Augmented Meniscal Repair Evidence <i>Daman P. Dhunna, Tulane University School of Medicine</i>
12:30 pm – 12:34 pm	275 – Outcomes of Subvastus vs. Parapatellar Primary TKA in Obese Patients <i>Ronit Patel, BA, University of Louisville</i>
12:34 pm – 12:40 pm	Discussion
12:40 pm – 1:10 pm	<b>Focused Lunch Presentation</b> <i>*CME Credit not available</i>
1:10 pm – 1:40 pm	<b>Dessert Break with Exhibitors</b>
<b>Symposium 4 – Promoting Excellence in Your Practice: Updates from the Experts</b>	
<b>Moderator:</b> Fredrick C. Flandry, MD, FACS, <i>Hughston Clinic</i>	
1:40 pm – 1:50 pm	Bony Metastasis: Risk Factors, Presentation, Workup, and Management <i>R. Lor Randall, MD, University of California, Davis</i>
1:50 pm – 2:00 pm	Bony Metastasis: Imaging of Bony Metastasis <i>Shawn W. Adams, MD, Norton Neuroscience Institute</i>
2:00 pm – 2:10 pm	Questions
2:10 pm – 2:20 pm	Intentional Hypotension in Spine Surgery <i>Steven D. Glassman, MD, Norton Leatherman Spine Institute</i>
2:20 pm – 2:30 pm	Intentional Hypotension in Shoulder Surgery <i>Guido Marra, MD, Rush University</i>

2:30 pm – 2:40 pm Questions

**Debate: Timing of External Fixation with Vascular Injury**

2:40 pm – 2:50 pm Pro: External Fixation before Vascular Repair  
*Greg Della Rocca, MD, PhD, University of Missouri*

2:50 pm – 3:00 pm Con: External Fixation before Vascular Repair  
*Jana M. Davis, MD, Penn State Bone and Joint Institute*

3:00 pm – 3:10 pm Questions / Discussion

**General Session 1 – Dr. & Mrs. Elmer Nix Ethics Award**

**Moderator:** CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD, EdD

3:10 pm – 3:15 pm Introduction  
*CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD EdD*

3:15 pm – 3:50 pm Dr. and Mrs. Elmer Nix Ethics Awardee  
*Mary Lloyd Ireland, MD, University of Kentucky College of Medicine, UK Healthcare Sports Medicine Clinic*

3:50 pm – 4:10 pm ***BREAK – Please visit exhibits***

**Symposium 5 – Interpreting and Implementing Multifaceted Clinical Practice Guidelines (CPG)**

**Moderator:** Daniel K. Guy, MD, MS, *Emory University*

4:10 pm – 4:20 pm AAOS CPG: Thromboprophylaxis  
*Paul Celestre, MD, Norton Leatherman Spine Institute*

4:20 pm – 4:30 pm AAOS CPG: Pediatric Long Bone Fractures  
*COL (ret) Kathleen A. McHale, US Army, MD, MSED, Uniformed Services University of the Health Sciences*

4:30 pm – 4:40 pm AAOS CPG: Knee Osteoarthritis, Non-Operative Aspects  
*Carla Scanzello, MD, PhD, University of Pennsylvania*

4:40 pm – 4:50 pm AAOS CPG: Knee Osteoarthritis, Surgical Management  
*Joseph W. Green, MD, Louisville Institute of Orthopaedics*

4:50 pm – 5:00 pm AAOS CPG: Prevention of Surgical Site Infections after Major Trauma: The Lower Extremity  
*Paul J. Juliano, MD, Penn State Hershey Medical Center*

5:00 pm – 5:10 pm Discussion

## **Friday, August 28**

6:00 am – 7:00 am                      **Scientific Poster/E-Poster Session** (Presenters are available to answer questions.)

### **Rapid Fire Session 2A – Upper Extremity**

**Moderator:** TBD

- 7:00 am – 7:04 am                      14 - Antidepressant Usage and Postoperative Outcomes of Distal Radius Fractures  
*Amir Alsaidi, BS, Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center El Paso*
- 7:04 am – 7:08 am                      390 - Differential Wrist and Elbow Outcomes Following Nondisplaced Radial Head Fractures  
*Peter Chebi, BS, University of Illinois Chicago*
- 7:08 am – 7:12 am                      513 - Venous Thromboembolism After Upper Extremity Fracture ORIF  
*Jeffrey Blotter, BS, University of Arizona College of Medicine - Phoenix*
- 7:12 am – 7:16 am                      432 - Redefining Risk: The Need for Better Malnutrition Screening Before Shoulder Arthroplasty  
*Chase Burzynski, BS, Orthopaedic Center of Palm Beach County*
- 7:16 am – 7:20 am                      221 - Reevaluating AAOS Guidelines: Patient-Reported Outcomes after Single-Row vs. Double-Row ARCR  
*Alexander J. Gonzalez, BS, Herbert Wertheim College of Medicine*
- 7:20 am – 7:24 am                      46 - Humeral Intramedullary Nailing (hIMN) Through Rotator Cuff Sparing Approaches: Systematic Review  
*Troy B. Puga, DO, Medical City Denton*
- 7:24 am – 7:30 am                      Discussion
- 7:30 am – 7:34 am                      270 - Comparable Outcomes After Isolated And Combined Arthroscopic Subscapularis Repair  
*Samuel E. Mircoff, BS, Loyola University Medical Center*
- 7:34 am – 7:38 am                      445 - E-Prepared: The Role of Online Preoperative Education in Reverse Shoulder Arthroplasty  
*Chase Burzynski, BS, Orthopaedic Center of Palm Beach County*

- 7:38 am – 7:42 am 479 - Predicting Prolonged Hospital Stay in Elderly Upper Extremity Fractures  
*Priyanka Mehta, BA, MBS, Rutgers New Jersey Medical School*
- 7:42 am – 7:46 am 144 - Comparing Outcomes Between Plate Fixation vs. Intramedullary Nailing of Humeral Shaft Fractures  
*Anthony M. Castro, BA, Rothman Orthopaedic Institute at Drexel University College of Medicine*
- 7:46 am – 7:50 am 519 - Deltoid Volume Ratios Predict Reverse Shoulder Arthroplasty Outcomes: Multicenter Study  
*Daniel F DeShetler, MD, Palm Beach Shoulder Service at Atlantis Orthopedics*
- 7:50 am – 7:54 am 475 - Neuromuscular Compensation Strategies in Patients with Supraspinatus Pathology: A Systematic Review  
*Michael P. Ternoway, BS, Sidney Kimmel Medical College*
- 7:54 am – 8:00 am Discussion

### **Rapid Fire Session 2B – Spine**

**Moderator:** TBD

- 7:00 am – 7:04 am 545 - Delayed Osteoporosis Management Drives Recurrent Fractures After Vertebral Injury  
*Agboade Sobowale, BS, University of Louisville School of Medicine*
- 7:04 am – 7:08 am 233 - “Internal Brace” for Atlantooccipital Dissociation: Rethinking the Need for Routine Fusion  
*Jack M. Ayres, MD, Prisma Health/University of South Carolina School of Medicine*
- 7:08 am – 7:12 am 203 - Significance of Epidural Abscess in Patients with Spondylodiscitis  
*Benjamin Kostic, BS, Norton Leatherman Spine Center*
- 7:12 am – 7:16 am 290 - VBQ–HU Correlation at the Cervicothoracic Junction  
*Sultan S. Baz, BA, California University of Science and Medicine, School of Medicine*
- 7:16 am – 7:20 am 234 - No Additional Benefit with S2AI Screws in Mid-Lumbar to Sacral Fusions  
*Behrad Bakhtiari Sirjani, BS, Norton Leatherman Spine Center*  
*\*Presented by Agboade Sobowale, BS*

- 7:20 am – 7:24 am 286 - Mortality Predictors Following Operative Cervical Spinal Cord Injury  
*Paul G. Mastrokostas, BA, BBA, Maimonides Medical Center*
- 7:24 am – 7:30 am Discussion
- 7:30 am – 7:34 am 212 - Erector Spinae Plane Block and Outcomes After Biportal Surgery  
*Hana-Joy E Hanks, BSN, University of California Irvine*
- 7:34 am – 7:38 am 459 - Posterior Cervical Fusion Outcomes Among Patients With Parkinson's Disease  
*Harrison Massie, BA, University of Alabama at Birmingham*
- 7:38 am – 7:42 am 292 - Dural Tear Increases Resource Use After Posterior Lumbar Fusion  
*Paul G. Mastrokostas, BA, BBA, Maimonides Medical Center*
- 7:42 am – 7:46 am 448 - How Does BMI Influence Operative Times in Endoscopic Lumbar Discectomies?  
*Nathan Kim, MD, NYU Langone Orthopedics*
- 7:46 am – 7:50 am 555 - Long-Term Outcomes of Lumbar Total Disc Arthroplasty and Hybrid Constructs: A Systematic Review  
*Samer Salman, BSA, Baylor College of Medicine*
- 7:50 am – 7:54 am 340 - Motor Recovery following Complete Traumatic Spinal Cord Injury in the Acute and Post- Rehabilitation Periods  
*Luke Schwartz, BS, New York University*
- 7:54 am – 8:00 am Discussion

### **Rapid Fire Session 2C – Total Joint**

**Moderator:** TBD

- 7:00 am – 7:04 am 367 - Aspirin Prevents Venous Thromboembolism in Obese Total Joint Arthroplasty Patients  
*Laith Bahlouli, BA, New York University*
- 7:04 am – 7:08 am 403 - Corticosteroids, Not Biologics, Drive Infection Risk After Arthroplasty in Immunosuppressed  
*Hasan Imtiaz, MBChB, BSc, Newcastle Upon Tyne NHS Hospitals*
- 7:08 am – 7:12 am 332 - Implementation and Outcomes of a Total Joints Preoperative Optimization Protocol  
*Richard Yoon, MD, RWJ / Barnabas Health*

7:12 am – 7:16 am	195 - VTE Prophylaxis Across Arthroplasty and Proximal Femur Fracture ORIF <i>Jeffrey Blotter, BS, University of Arizona College of Medicine - Phoenix</i>
7:16 am – 7:20 am	452 - Digital Dynamic Radiography for Assessing Hip and Knee Arthroplasty Mechanical Complications <i>Emilio Arellano, BS, Emory University School of Medicine</i>
7:20 am – 7:24 am	254 - Standardizing Safe Cefazolin Use in Total Joint Arthroplasty: A Multidisciplinary Triage Protocol <i>John M. Guido, MD, West Virginia University</i>
7:24 am – 7:30 am	Discussion
7:30 am – 7:34 am	255 - An Approach to Bone Health Optimization in Patients Undergoing Total Joint Arthroplasty <i>John M. Guido, MD, West Virginia University</i>
7:34 am – 7:38 am	301 - Pre-Operative Clearance Before Arthroplasty Impact on Adverse Cardiac Events Risk <i>Kimberly Dong, BS, Rothman Orthopaedic Institute</i>
7:38 am – 7:42 am	537 - Perioperative Outcomes of Conversion Total Hip Arthroplasty After Failed Fixation <i>Shriyaus R Lingam, BA, Rutgers New Jersey Medical School</i>
7:42 am – 7:46 am	312 - Area Deprivation Index and Reimplantation After Girdlestone Resection <i>Henry H. Taylor, BA, University of Mississippi Medical Center</i>
7:46 am – 7:50 am	352 - Modern Solutions Used in Debridement Antibiotics and Implant Retention <i>Richard Yoon, MD, RWJ / Barnabas Health</i>
7:50 am – 7:54 am	460 - Adduction Fulcrum Mechanism of Reverse Shoulder Arthroplasty Instability <i>Landon Harris, BA, University of Kentucky College of Medicine</i>
7:54 am – 8:00 am	Discussion

**Rapid Fire Session 2D – Practice Management**  
**Moderator:** TBD

- 7:00 am – 7:04 am 58 - Designing a 24–48 Hour Digital Orthopaedic Second-Opinion Pathway Informed by Patient Survey Data  
*Joseph Simon, DPT, XPRT2ND*
- 7:04 am – 7:08 am 518 - Disparities in Post-Fracture Osteoporosis Pharmacotherapy Initiation and Secondary Care Cascade  
*Roban Shabbir, BA, Lewis Katz School of Medicine at Temple University*
- 7:08 am – 7:12 am 443 - Insurance Type as Predictor of Tibial Plateau Fracture Recovery Outcomes  
*Grace Chong, BS, Albert Einstein College of Medicine*
- 7:12 am – 7:16 am 497 - Declining Medicare Reimbursement Rates for Orthopaedic Surgery Procedures, 2013-2023  
*Mohammed D Albotabeekh, BS, Texas Tech University Health Sciences Center El Paso*
- 7:16 am – 7:20 am 287 - An Objective Analysis of Diversity Initiatives in Orthopedic Surgery Training  
*Jackson W. Blough, BA, Southern Illinois University (SIU) School of Medicine*
- 7:20 am – 7:24 am 7 - Representation of Ethics in Orthopaedic Surgery: A Systematic Review  
*Christopher J. Fang, MD, Kirk Kerkorian School of Medicine at UNLV*
- 7:24 am – 7:30 am Discussion
- 7:30 am – 7:34 am 577 - Impact of a Pipeline Program on Orthopedic Career Readiness  
*Brittney Moncrieffe, BS, SUNY Downstate COM*
- 7:34 am – 7:38 am 467 – Open Evidence vs. GPT on Orthopedic Training and Education Questions  
*Jawaad K. Javaid, BS, Henry Ford Health System*
- 7:38 am – 7:42 am 100 - Uneven Foundations: An Updated Report on the State of Musculoskeletal Training in Allopathic and Osteopathic Institutions  
*Amanda M. Moser, BA, Perelman School of Medicine, University of Pennsylvania*
- 7:42 am – 7:46 am 369 - Evaluating Osteoporosis Treatment on Outcomes of Rotator Cuff Repair

*Nikita Nair, BA, University of Louisville School of Medicine*

- 7:46 am – 7:50 am      51 - Cefazolin Plus Gentamicin vs. Ceftriaxone For Gustilo-Anderson Type III Open Lower Extremity Fractures  
*Cameron Foster, University of - Jacksonville*
- 7:50 am – 7:54 am      394 - Fragility Fractures in Hearing Loss Patients: A National Database Study  
*Arezo Ahmadi, BS, UCSF*
- 7:54 am – 8:00 am      Discussion

**Rapid Fire Session 2E – Trauma**

**Moderator: TBD**

- 7:00 am – 7:04 am      484 - Impact of Prior Pelvic Fracture on First Pregnancy Outcomes: A Propensity-Matched Cohort Study  
*Samir Alkhouri, BS, MBA, Kirk Kerkorian School of Medicine*
- 7:04 am – 7:08 am      119 - Cannabis Use Is Associated with Increased Early Orthopaedic Complications  
*Alexander J Baur, DO, Liberty University*
- 7:08 am – 7:12 am      407 - Acute Kidney Injury After Hip Fracture Surgery: 17% Incidence and Independent Threefold Increase in Mortality  
*Hasan Imtiaz, MBChB, BSc, Newcastle Upon Tyne NHS Hospitals*
- 7:12 am – 7:16 am      478 - National Diffusion of Cephalomedullary Nailing for Intertrochanteric Fractures  
*Faheem Pottayil, BS, Medical College of Georgia*
- 7:16 am – 7:20 am      130 - Understanding One-Year Mortality Rates and Comorbidity Burden Following Hip Fractures  
*Chris Sun, BA, Rothman Orthopaedic Institute at Drexel University College of Medicine*
- 7:20 am – 7:24 am      98 - Influence of Delayed Range of Motion on Outcomes and Complications in Bicondylar Tibial Plateau Fractures  
*Blake Hamil, University of Florida-Jacksonville*
- 7:24 am – 7:30 am      Discussion
- 7:30 am – 7:34 am      121- Preoperative Hemoglobin is a Predictor of Complications in Orthopaedic Trauma  
*Alexander J Baur, DO, Liberty University*

- 7:34 am – 7:38 am 288 - Age and Ambulatory Status Predict Mortality in Proximal Humerus Fractures  
*Eric M. Cohen, BS, University of South Florida Morsani College of Medicine*
- 7:38 am – 7:42 am 182 - Weightbearing in Tibial Shaft Fractures with Intra-Articular Extension  
*Aeryus Holloway, MD, University of Arizona College of Medicine - Phoenix*
- 7:42 am – 7:46 am 230 - GOLD-FEM: Geriatric Outcomes and Long-Term Data on FEMoral Fractures  
*Ellen E. Lutnick, MD, University at Buffalo Jacobs School of Medicine and Biomedical Sciences*
- 7:46 am – 7:50 am 359 - Unsupervised Clustering of Xylazine-Associated Wounds: Identifying Clinical Phenotypes  
*Ohm Sharma, BS, Cooper Medical School of Rowan University*
- 7:50 am – 7:54 am 314 - The Fate of Stage I Masquelet Cement Spacers in Long Bone Reconstruction for Acute Fractures  
*Robin M. Litten, MS, University of Tennessee Health Science Center*
- 7:54 am – 8:00 am Discussion
- 8:05 am – 8:25 am **Focused Breakfast Presentation**  
*\*CME Credit not available*
- 8:35 am – 8:55 am ***BREAK – Please visit Exhibits***
- 8:55 am – 9:00 am **Announcements**  
*Paul Celestre, MD, Scientific Program Chair*

**Symposium 6 – Should we Train Surgeons or Leaders? Innovation, Judgment, and Accountability in Modern Hand Surgery**

**Moderator:** Alfonso Mejia, MD, MPH, *University of Illinois Medical College*

- 9:00 am – 9:15 am Incorporating Innovation Safely and Intentionally  
*Robert R. Slater Jr., MD, Private practice, Folsom, CA and Clinical Professor, University of California, Davis*
- 9:15 am – 9:30 am From Competence to Accountability: Training Fellows for Ownership of Outcomes  
*Steven Grindell, MD, Medical College of Wisconsin*

9:30 am – 9:45 am Teaching Clinical Judgment in an Era of Expanding Indications and Options

*Mark Gonzalez, MD, PhD, University of Illinois College of Medicine*

9:45 am – 10:00 am

Preparing Fellows for the System They Will Lead

*Alfonso Mejia, MD, MPH, University of Illinois Chicago College of Medicine*

10:00 am – 10:30 am

Questions/Discussion

### **Symposium 7 – Translational Research**

**Moderator:** George Muschler, MD, *Cleveland Clinic*

10:30 am – 10:38 am

OREF Award Lecture: Excellence in Orthopaedic Advancement

*Speaker TBD*

10:38 am – 10:46 am

OREF Award Lecture: Excellence in Orthopaedic Advancement

*Speaker TBD*

10:46 am – 10:54 am

Current Concepts: Where are We Now? Current Treatments Using Cell Biology and Future Developments for Your Practice

*George Muschler, MD, Cleveland Clinic*

10:54 am – 11:00 am

Questions / Discussion

11:00 am – 11:20 am

***BREAK – Please visit exhibits***

### **Symposium 8 – Innovation that Elevates Clinical Excellence**

**Moderator:** Ira Kirschenbaum, MD, *Bronx Healthcare System*

11:20 am – 11:30 am

Quantifying the Manual Motor Examination

*Joseph H. Schwab, MD, MS, Cedars-Sinai Medical Center*

11:30 am – 11:40 am

How and Why I Developed Negative Pressure Wound Therapy

*Stephen K. Bubb, MD, St Thomas, Virgin Islands*

11:40 am – 11:50 am

A New Approach to Orthopaedic Journals

*Ira Kirschenbaum, MD, Bronx Healthcare System*

11:50 am – 12:00 pm

Questions / Discussion

### **General Session 2 – Presidential Guest Speaker**

**Moderator:** CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD, EdD

*\*CME Credit not available*

12:00 pm – 12:05 pm Introduction  
*CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD, EdD*

12:05 pm – 12:40 pm Spacesuits and Surgical Suits: Parallel Paths in Human Protection and Contamination Containment  
*Cathleen Lewis, PhD, Smithsonian Institution's National Air and Space Museum*

12:40 pm – 1:10 pm **Focused Lunch Presentation**  
*\*CME Credit not available*

1:10 pm – 1:40 pm ***Dessert Break with Exhibitors***

### **Symposium 9 – Wellness for Providers**

**Moderators:** Nicholas DiNubile, MD, *MedFit Education Foundation*

1:40 pm – 1:55 pm Health Optimization Built for the Demands of a Loaded OR Schedule  
*Michael Coval, BS, Coval Fitness*

1:55 pm – 2:10 pm Ergonomics  
*Molly A. Hartzler, MD, Wake Forest University*

2:10 pm – 2:25 pm Radiation Safety  
*John R. Dimar, MD, Norton Leatherman Spine Institute*

2:25 pm – 2:40 pm Buddy Aid: When Sadness is a Diagnosis  
*Jeffrey Smith, MD, Orthopaedic Trauma & Fracture Specialists*

2:40 pm – 2:50 pm Questions / Discussion

### **General Session 3 – George W. Brindley, MD Lecturer**

2:50 pm – 2:55 pm Introduction  
*George W. Brindley, MD, University of Texas*

2:55 pm – 3:25 pm Solipsism, Soliloquies, and Syllogism: Patient Words and Music AI Cannot Hear  
*O. Alton Barron, MD, NYU Langone Medical Center*

3:25 pm – 3:45 pm ***BREAK – Please visit Exhibits***

### **Symposium 10 – Advances in Spine Surgery Translate to Excellence in Clinical Practice**

**Moderator:** Steven D. Glassman, MD, *Norton Leatherman Spine Center*

3:45 pm – 3:53 pm Spine Registry and Your Practice  
*Steven D. Glassman, MD, Norton Leatherman Spine Center*

- 3:53 pm – 4:01 pm            Preoperative Bone Health Optimization  
*John R. Dimar, MD, Norton Leatherman Spine Center*
- 4:01 pm – 4:09 pm            Understanding Contemporary Orthopaedic Surgery Literature  
*Leah Y. Carreon, MD, MSc, Norton Leatherman Spine Center*
- 4:09 pm – 4:17 pm            The Future of Spine Surgery  
*Jeffrey L. Gum, MD, Norton Leatherman Spine Center*
- 4:17 pm – 4:25 pm            Questions / Discussion

**Saturday, August 29**

- 6:00 am – 7:00 am            **Scientific Poster/E-Poster Session** (Presenters are available to answer questions.)
- 7:00 am – 7:30 am            **COS Business Meeting**  
*\*CME Credit not available*
- 7:30 am – 7:35 am            **Announcements**  
*Paul Celestre, MD, Scientific Program Chair*

**Symposium 11 – Mass Casualty – Gun Violence, Part 1. Responding to External Events**  
**Moderator:** Alfonso Mejia, MD, MPH, *University of Illinois College of Medicine*

- 7:35 am – 7:47 am            Definitions and Background  
*Alfonso Mejia, MD, MPH, University of Illinois College of Medicine*
- 7:47 am – 7:59 am            Priorities Day of Event  
*Craig Roberts, MD, MBA, University of Louisville Medical Center*
- 7:59 am – 8:11 am            Planning for the Day It Comes to Your Area  
*Andrew N. Pollak, MD, University of Maryland Medical System*
- 8:11 am – 8:23 am            Lessons Learned from Las Vegas  
*Christopher Fischer, MD, Desert Surgical Associates*
- 8:23 am – 8:35 am            Questions / Discussion
- 8:35 am – 9:05 am            **Breakfast with Exhibitors**

**Symposium 12 – Your Office Matters**

**Moderator:** Wayne A. Johnson, MD, *Asst Clinical Professor Orthopaedic Surgery OUHSC, Chief Orthopedics OKC VAHC*

- 9:05 am – 9:13 am            Nurse Navigation  
*Vanessa Chambers, RN, BSN, Care for Lives*
- 9:13 am – 9:21 am            Artificial Intelligence  
*Christian A. Péan, MD, Duke University*
- 9:21 am – 9:29 am            Optimizing Patient Satisfaction and Engagement  
*Brian M. Grawe, MD, University of Cincinnati College of Medicine*
- 9:29 am – 9:35 am            Questions / Discussion

**General Session 4 – Resident Paper Presentations (Live Grading)**

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

- 9:35 am – 9:40 am            266 - Timely Rehabilitation for Extensor Tendon Repairs: The Burden of Delays  
*Tantien Nguyen, BS, Foundation for Orthopaedic Research and Education*
- 9:40 am – 9:45 am            488 - Transient Ulnar Nerve Symptoms Are Common But Self Limited After Endoscopic Carpal Tunnel Release  
*John N Pignataro, DO, Jefferson Health New Jersey*
- 9:45 am – 9:50 am            396 - Do Nonoperatively Managed Partial Distal Biceps Tendon Tears Progress to Full Thickness Tears?  
*Jack Carfagno, DO, Jefferson Health New Jersey*
- 9:50 am – 9:55 am            283 - Bone Quality for Pedicle Inlet vs. Lateral Mass Screw Trajectories  
*Mahmoud Abu-Alkebash, MD, Norton Leatherman Spine Center*
- 9:55 am – 10:00 am            10 - Academic Influence and Industry Funding in Platelet Rich Plasma Injections  
*Christopher J. Fang, MD, Kirk Kerkorian School of Medicine at UNLV*
- 10:00 am – 10:05 am            Discussion

**General Session 5 – Medical Paper Presentations (Live Grading)**

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

- 10:05 am – 10:10 am 462 - Quality and Readability of Orthopaedic Patient Education Materials: Systematic Review  
*Kashif Javid, BA, Henry Ford Health System*
- 10:10 am – 10:15 am 63 - Tobacco Use Increases 90 Day and 2 Year Complications in Surgical Fixation of Distal Radial Fractures in Geriatrics: A Nationwide Propensity Matched Analysis  
*Shragvi Balaji, BA, Baylor College of Medicine*
- 10:15 am – 10:20 am 483 - A Comparison Between Artificial Intelligence Dictation Platforms In Generating Medical Notes In Orthopaedic Hand Surgery  
*Nazanin Kermanshahi, DO, Rothman Orthopaedic Institute*
- 10:20 am – 10:25 am 493 - Preoperative Anemia Associated with Complications Following Upper Extremity Fracture Fixation  
*Timothy Gelatt, BS, Rowan-Virtua School of Osteopathic Medicine*
- 10:25 am – 10:30 am 197 - CMC Injection Reviews Show High Spin Burden  
*Daman P. Dhunna, Tulane University School of Medicine*
- 10:30 am – 10:35 am Discussion

### **General Session 6 – Presidential Guest Speaker Michelle D. Miller, PhD**

**Moderator:** CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD, EdD

- 10:35 am – 10:40 am Introduction  
*CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD, EdD*
- 10:40 am – 11:15 am Advancements in Adult Learning  
*Michelle D. Miller, PhD, Northern Arizona University*

### **General Session 7 – Presidential Address and Turnover**

**Moderator:** CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD, EdD

- 11:15 am – 12:00 am Leadership  
*CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD, EdD*
- 12:00 am – 12:30 pm Introduction of 2026-2027 President  
*Alfonso Mejia, MD, University of Illinois Chicago*
- 12:30 pm Final Announcements
- 1:00 pm – 2:00 pm **“Fireside Chat” with Dr. Michelle D. Miller**  
*Meet Dr. Miller in person and chat with her in a relaxed environment. Bring your comments and questions.*

1:00 pm – 3:30 pm

**Medical Student and Resident Educational Sessions**

1:00 pm – 3:30 pm

**Own the Bone**