

COS Scientific Program
August 26 – 29, 2026
Louisville, KY
Olmsted 4
(Presenters and times are subject to change.)

Wednesday, August 26

12:00 pm – 5:00 pm	Meeting Registration (<i>Prefunction</i>)
12:00 pm – 5:00 pm	Exhibitor Setup (<i>Olmstead 1, 2 & 3</i>)
1:00 pm – 5:00 pm	Board of Directors Meeting (<i>Butchertown</i>)

Thursday, August 27

6:00 am – 7:00 am	Scientific Poster Session (<i>Prefunction</i>) (Presenters are available to answer questions.)
6:00 am – 7:00 am	Scientific E-Poster Session (<i>Hikes Point</i>) (Presenters are available to answer questions.)
7:00 am – 7:20 am	Presentation of Colors, Welcome and Opening Remarks <i>CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD, EdD, COS President</i> <i>Paul Celestre, MD, Scientific Program Chair</i>

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 <i>CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD, EdD</i>
7:25 am – 7:45 am	Veterinary Insights to Equine Welfare and Safety at Churchill Downs <i>William Farmer, DVM, Equine Medical Director, Churchill Downs Incorporated</i>
7:45 am – 8:05 am	What We Can Learn About Clinical Decision Making from Equine Medicine. A Discussion with Dr. Farmer <i>William Farmer, DVM, Equine Medical Director, Churchill Downs Incorporated</i>

8:05 am – 8:15 am Questions

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

8:45 am – 9:05 am **BREAK – Please visit Exhibits (Olmstead 1, 2 & 3)**

Symposium 2 – Jockey Health Care Program

Moderator: S. Ali Ghasemi, MD, *Sidney Kimmel Medical College, Thomas Jefferson University*

9:05 am – 9:25 am Jockey Health Care Program Panel Discussion
Corey Lanerie, Most Winning Jockey at Churchill Downs
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
Daniel 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 (Olmstead 1, 2 & 3)***

Rapid Fire Session 1A – Basic Science, Tumor & Pediatrics *(Hikes Point)*

Moderators: CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD, EdD
James C. Wittig, MD, *Atlantic Health System*

11:40 am – 11:44 am 388 - Does Platelet-Rich Plasma Improve Osteochondral Allograft Outcomes?

Mallory Ehlers, BS, NYU Langone Orthopedics

**Presented by Cameron Bussey-Sutton, BS*

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

**Presented by Claire Thompson, BA*

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

**Presented by Claire Thompson, BA*

12:04 pm – 12:12 pm Discussion

12:12 pm – 12:16 pm 90 - Magnet Screening of External Fixators: Lab Assessment of MRI Safety

Troy B. Puga, DO, Medical City Denton

12:16 pm – 12:20 pm	57 - Clinical and Radiographic Outcomes of Pediatric Supracondylar Humerus Fractures: Effects of Obesity and Age <i>Valeria Mucharraz, MS, MBA, Texas Tech Health Sciences Center</i>
12:20 pm – 12:24 pm	170 - Timeliness of Hip Surveillance in Children with Cerebral Palsy by Area-Level Socioeconomic Disadvantage <i>Mara S. Karamitopoulos, MD, NYU Langone</i> <i>*Presented by Claire Thompson, BA</i>
12:24 pm – 12:28 pm	39 - Isotretinoin and Adolescent Growth: A Systematic Review <i>Siddharth Jasti, BS, Florida International University Herbert Wertheim College of Medicine</i> <i>*Presented by Albert Sirven, BA</i>
12:28 pm – 12:32 pm	53 - Burosumab Use in Cutaneous Skeletal Hypophosphatemia Syndrome: A Systematic Review <i>Karter B. Morris, BS, Texas Tech University Health Sciences Center School of Medicine</i>
12:32 pm – 12:40 pm	Discussion

Rapid Fire Session 1B – Foot & Ankle (Crescent Hill)

Moderators: Paul J. Juliano, MD, *Penn State Hershey Medical Center*
COL (ret) Kathleen A. McHale, US Army, MD, MSED, *Uniformed Services University of the Health Sciences*

11:40 am – 11:44 am	118 - Preoperative GLP-1 Receptor Agonist Use is Not Associated with Pseudoarthrosis <i>Alexander J Baur, DO, Liberty University</i>
11:44 am – 11:48 am	571 - Outcomes of the Lapidus Procedure Using a Multiplanar Correction System <i>Thelma R. Jimenez Mosquea, MD, NYU Langone Health</i> <i>*Presented by Savannah Stewart</i>
11:48 am – 11:52 am	274 - Utilizing the Plumblin and Sgarlato's Angle in Metatarsus Adductus Diagnosis <i>Kyle Lorenzo, BA, Baptist Health Doctors Hospital</i>
11:52 am – 11:56 am	38 - Diagnostic Evaluation and Nonoperative Management of Lisfranc Injuries in Athletes <i>Scott D Semelsberger, BS, Virginia Tech Carilion School of Medicine</i>

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 <i>Jack M. Ayres, MD, Prisma Health/University of South Carolina School of Medicine</i> <i>*Presented by Claire Collins, BS</i>
12:00 pm – 12:08 pm	Discussion
12:08 pm – 12:12 pm	299 - Fragility of Randomized Controlled Trials in Achilles Tendon Rupture Management <i>Kyle Lorenzo, BA, Baptist Health Doctors Hospital</i>
12:12 pm – 12:16 pm	330 - Impact of Non-Tobacco Nicotine Use on Outcomes after Midfoot Arthrodesis <i>Anish K. Ponna, BS, Drexel University College of Medicine</i>
12:16 pm – 12:20 pm	472 - Passive-Dynamic Ankle-Foot Orthosis Provides Improved PROs in Complex Hindfoot Deformity <i>Kashif Javid, BA, Henry Ford Health System</i>
12:20 pm – 12:24 pm	563 - Isolated vs. Augmented FHL Transfer for Chronic Achilles Ruptures <i>Hugo A. Ubillus, MD, NYU Langone Health</i> <i>*Presented by Savannah Stewart</i>
12:24 pm – 12:28 pm	408 - Operative and Nonoperative Management of Fifth Metatarsal Fractures <i>Audrey Grabmeier, BA, Univ of Kansas School of Medicine</i> <i>*Presented by Kathryn Besserman, MD</i>
12:28 pm – 12:32 pm	321 - Psychiatric Disorders and Postoperative Recovery following Achilles Tendon Repair <i>Ali Rteil, MD, MSc, Endeavor Health</i>
12:32 pm – 12:40 pm	Discussion

Rapid Fire Session 1C – Hand & Wrist (Olmsted 5)

Moderators: Elizabeth M. Polfer, MD, *William Beaumont Army Medical Center*
Robert R. Slater Jr., MD, *Private practice, Folsom, CA and Clinical Professor, University of California, Davis*

11:40 am – 11:44 am	268 - Insufficient Rehabilitation after Flexor Tendon Repair: Impact on Patient Outcomes <i>Daniel Bailey, MD, Foundation for Orthopaedic Research and Education</i>
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11:44 am – 11:48 am	485 - Immobilization Material Influences The Effectiveness of Cryotherapy: Three Dimensional Printed Casts Allow Greater Cooling than Traditional Fiberglass <i>John N Pignataro, DO, Jefferson Health New Jersey</i> <i>*Presented by Vincent Lee, BS</i>
11:48 am – 11:52 am	140 - Revision Rates and Characteristics after Open Trigger Finger Release Surgery <i>Anthony M. Castro, BA, Rothman Orthopaedic Institute at Drexel University College of Medicine</i> <i>*Presented by Max E. Horowitz, BS</i>
11:52 am – 11:56 am	471 - A Randomized Controlled Trial of Pain Control after Wrist Surgery <i>Jennifer M. Wolf, MD, PhD, University of Chicago</i> <i>*Presented by Malik J. Scott, BA</i>
11:56 am – 12:00 pm	62 - Perioperative Hyperglycemia as a Predictor of Distal Radial Fracture Surgical Fixation in Geriatric Patients <i>Shragvi Balaji, BA, Baylor College of Medicine</i> <i>*Presented by Zina S. Smadi, MD</i>
12:00 pm – 12:04 pm	487 - Distal Ulna Fractures Worsen Patient Reported Outcomes after Distal Radius ORIF: Role of Intramedullary Screw Fixation <i>John N Pignataro, DO, Jefferson Health New Jersey</i> <i>*Presented by Vincent Lee, BS</i>
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 <i>Sofia B Restrepo, BA, Foundation for Orthopaedic Research and Education</i>
12:14 pm – 12:18 pm	48 - Functional Recovery after Traumatic Partial Hand Amputation Using the Starfish Procedure <i>Caroline Cushman, BS, Texas Tech University Health Sciences Center School of Medicine</i>
12:18 pm – 12:22 pm	264 - Retrospective Review: Revision Carpal Tunnel Release at a Single Institution <i>Michael Doarn, MD, Foundation for Orthopaedic Research and Education</i>

12:22 pm – 12:26 pm	551 - Comparing Adverse Events and Function after CMC Arthroplasty <i>Caden R. Moenning, BS, FIU HWCOM</i>
12:26 pm – 12:30 pm	154 - Incidence of Carpal Tunnel Release following Distal Radius Fracture <i>Zachary Demetriou, BS, Rothman Orthopaedic Institute at Drexel University College of Medicine</i> <i>*Presented by Adrien Canary</i>
12:30 pm – 12:34 pm	583 - How Gender Influences Pain and Surgical Delay in Cubital Tunnel Syndrome <i>Alexander Hayek, BSA, Texas Tech University Health Science Center</i>
12:34 pm – 12:40 pm	Discussion

Rapid Fire Session 1D – Total Hip Arthroplasty (Olmsted 6)

Moderators: George W. Brindley, MD, *University of Texas*
Daniel K. Guy, MD, MS, *Emory University*

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 <i>Ojas Vijayanand V. Potdar, MD, Grant Government Medical College and JJ group of Hospitals Mumbai Maharashtra India</i>
11:44 am – 11:48 am	377 - Distinct Clinical Presentations of Trunnionosis With and Without Gross Trunnion Failure <i>Marisa Brito, BS, Emory University School of Medicine</i> <i>*Presented by Yagni Patel</i>
11:48 am – 11:52 am	424 - Advanced Imaging Does Not Improve Interobserver Reliability of the Paprosky Classification in Revision Total Hip Arthroplasty <i>Freddy Hung, MD, University of Miami</i>
11:52 am – 11:56 am	346 - Irrigants in Infected Revision Hip Arthroplasty: Analysis between Common Solutions <i>Richard Yoon, MD, RWJ / Barnabas Health</i>
11:56 am – 12:00 pm	326 - Robotics in Revision THA, Fewer Failures and Fewer Revisions <i>Ali Rteil, MD, MSc, Endeavor Health</i>

12:00 pm – 12:10 pm	Discussion
12:10 pm – 12:14 pm	584 - Superior Clinical Outcomes for Direct Anterior Robotic-Assisted Total Hip Arthroplasty <i>Adam Elkholy, BS, St. Joseph's University Medical Center</i> <i>*Presented by Daniel Devine, BA</i>
12:14 pm – 12:18 pm	573 - Mid-Term Results of ORIF and THA for Elderly Acetabular Fractures <i>Shriyaus R Lingam, BA, Rutgers New Jersey Medical School</i> <i>*Presented by Priyanka Mehta, BA, MBS</i>
12:18 pm – 12:22 pm	282 - Atypical Hip Pain FAIS Shows Equivalent Ten-Year Outcomes after Arthroscopy <i>Sangmin Lee, NYU Langone Orthopedics</i> <i>*Presented by Reginald Brewster, BA</i>
12:22 pm – 12:26 pm	308 - Surgical Approach and Early Outcomes in Hip Abductor Tendon Repair: Insights From a Multicenter Registry <i>Majd Mzeihem, MD, University of Illinois at Chicago</i> <i>*Presented by Kristina Casas</i>
12:26 pm – 12:30 pm	364 - Borderline Hip Dysplasia: Comparable Long-Term Outcomes and Survivorship to Controls, with Elevated Alpha Angles Predicting Inferior Results after Hip Arthroscopy" <i>Kobe Rodney, BA, BS, NYU Langone Orthopedics</i>
12:30 pm – 12:40 pm	Discussion

Rapid Fire Session 1E – Knee (Olmsted 7)

Moderators: Curtis Burton, MD, *Midwest Orthopedic Specialists*
Mary Lloyd Ireland, MD, *University of Kentucky College of Medicine, UK Healthcare Sports Medicine Clinic*

11:40 am – 11:44 am	324 - Posterior Cruciate Ligament Injury Drives Complications after Multiligament Knee Reconstruction <i>Ali Rteil, MD, MS, Endeavor Health</i>
11:44 am – 11:48 am	521 - Risk-Taking Traits Do Not Influence Patellar Resurfacing Preference <i>Andrew R. Moya, MD, University of Miami Miller School of Medicine</i>
11:48 am – 11:52 am	319 - Characteristics and Outcomes of 'Windswept' Patients Undergoing Total Knee Arthroplasty <i>Richard Yoon, MD, RWJ / Barnabas Health</i>

11:52 am – 11:56 am	111 - Single-Leg Step-Down Performance and Hip-Knee Biomechanics <i>Jeremy Burnham, MD, FAAOS, Ochsner Medical Complex</i> <i>*Presented by Tommy Drazick, MD</i>
11:56 am – 12:10 pm	Discussion
12:10 pm – 12:14 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> <i>*Presented by Arjan Kahlon, BA</i>
12:14 pm – 12:18 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> <i>*Presented by Kathryn Besserman, MD</i>
12:18 pm – 12:22 pm	192 - Widespread Spin in PRP-Augmented Meniscal Repair Evidence <i>Daman P. Dhunna, Tulane University School of Medicine</i>
12:22 pm – 12:26 pm	275 - Outcomes of Subvastus vs. Parapatellar Primary TKA in Obese Patients <i>Ronit Patel, BA, University of Louisville</i>
12:26 pm – 12:40 pm	Discussion
12:40 pm – 1:10 pm	Focused Lunch Presentation - Amgen <i>*CME Credit not available</i>
1:10 pm – 1:40 pm	Dessert Break with Exhibitors (Olmstead 1, 2 & 3)
Symposium 4 – Promoting Excellence in Your Practice: Updates from the Experts Moderator: 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
Mladen Djurasovic, MD, Norton Leatherman Spine Institute

2:20 pm – 2:30 pm Intentional Hypotension in Shoulder Surgery
Guido Marra, MD, Rush University

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
Miguel S. Daccarett, MD, FAAOS, FIOTA, University of Louisville

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**
Doing the Right Thing: Patient Centered Care, Change, and
Challenges in Orthopaedic Sports Medicine
*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 (Olmstead 1, 2 & 3)***

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, MEd, 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 <i>Joseph W. Greene, MD, Louisville Institute of Orthopaedics</i>
4:50 pm – 5:00 pm	AAOS CPG: Prevention of Surgical Site Infections after Major Trauma: The Lower Extremity <i>Paul J. Juliano, MD, Penn State Hershey Medical Center</i>
5:00 pm – 5:10 pm	Discussion

Friday, August 28

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

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

Rapid Fire Session 2A – Upper Extremity (*Hikes Point*)

Moderators: S. Ali Ghasemi, MD, *Sidney Kimmel Medical College, Thomas Jefferson University*
Tamara Pylawka, MD, *Penn State University*

7:00 am – 7:04 am	14 - Antidepressant Usage and Postoperative Outcomes of Distal Radius Fractures <i>Amir Alsaidi, BS, Paul L. Foster School of Medicine, Texas Tech University Health Sciences Center El Paso</i>
7:04 am – 7:08 am	390 - Differential Wrist and Elbow Outcomes following Nondisplaced Radial Head Fractures <i>Peter Chebi, BS, University of Illinois Chicago</i> <i>*Presented by Douglas Zhang, BA</i>
7:08 am – 7:12 am	519 - Deltoid Volume Ratios Predict Reverse Shoulder Arthroplasty Outcomes: Multicenter Study <i>Daniel F DeShetler, MD, Palm Beach Shoulder Service at Atlantis Orthopedics</i>
7:12 am – 7:16 am	432 - Redefining Risk: The Need for better Malnutrition Screening before Shoulder Arthroplasty <i>Chase Burzynski, BS, Orthopaedic Center of Palm Beach County</i> <i>*Presented by JaCorey Jones, BS</i>
7:16 am – 7:20 am	221 – Re-Evaluating AAOS Guidelines: Patient-Reported Outcomes after Single-Row vs. Double-Row ARCR <i>Alexander J. Gonzalez, BS, Herbert Wertheim College of Medicine</i>

7:20 am – 7:24 am	46 - Humeral Intramedullary Nailing (hIMN) Through Rotator Cuff Sparing Approaches: Systematic Review <i>Troy B. Puga, DO, Medical City Denton</i>
7:24 am – 7:30 am	Discussion
7:30 am – 7:34 am	270 - Comparable Outcomes after Isolated and Combined Arthroscopic Subscapularis Repair <i>Samuel E. Mircoff, BS, Loyola University Medical Center</i> <i>*Presented by Rohit Siddabattula, BA</i>
7:34 am – 7:38 am	445 - E-Prepared: The Role of Online Preoperative Education in Reverse Shoulder Arthroplasty <i>Chase Burzynski, BS, Orthopaedic Center of Palm Beach County</i>
7:38 am – 7:42 am	479 - Predicting Prolonged Hospital Stay in Elderly Upper Extremity Fractures <i>Priyanka Mehta, BA, MBS, Rutgers New Jersey Medical School</i>
7:42 am – 7:46 am	144 - Comparing Outcomes between Plate Fixation vs. Intramedullary Nailing of Humeral Shaft Fractures <i>Anthony M. Castro, BA, Rothman Orthopaedic Institute at Drexel University College of Medicine</i> <i>*Presented by Max E. Horowitz, BS</i>
7:46 am – 7:50 am	513 - Venous Thromboembolism after Upper Extremity Fracture ORIF <i>Jeffrey Blotter, BS, University of Arizona College of Medicine - Phoenix</i>
7:50 am – 7:54 am	475 - Neuromuscular Compensation Strategies in Patients with Supraspinatus Pathology: A Systematic Review <i>Michael P. Ternoway, BS, Sidney Kimmel Medical College</i>
7:54 am – 8:00 am	Discussion

Rapid Fire Session 2B – Spine (Crescent Hill)

Moderators: Paul Celestre, MD, *Norton Spine Leatherman Institute*
Afshin E. Razi, MD, *Maimonides Medical Center*

7:00 am – 7:04 am	545 - Delayed Osteoporosis Management Drives Recurrent Fractures after Vertebral Injury <i>Agboade Sobowale, BS, University of Louisville School of Medicine</i>
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7:04 am – 7:08 am	233 - “Internal Brace” for Atlantooccipital Dissociation: Rethinking the Need for Routine Fusion <i>Jack M. Ayres, MD, Prisma Health/University of South Carolina School of Medicine</i> <i>*Presented by Claire Collins, BS</i>
7:08 am – 7:12 am	203 - Significance of Epidural Abscess in Patients with Spondylodiscitis <i>Benjamin Kostic, BS, Norton Leatherman Spine Center</i>
7:12 am – 7:16 am	290 – VBQ-HU Correlation at the Cervicothoracic Junction <i>Sultan S. Baz, BA, California University of Science and Medicine, School of Medicine</i> <i>*Presented by Shahabeddin Yazdanpanah, MS</i>
7:16 am – 7:28 am	Discussion
7:28 am – 7:32 am	234 - No Additional Benefit with S2AI Screws in Mid-Lumbar to Sacral Fusions <i>Behrad Bakhtiari Sirjani, BS, Norton Leatherman Spine Center</i> <i>*Presented by Agboade Sobowale, BS</i>
7:32 am – 7:36 am	212 - Erector Spinae Plane Block and Outcomes after Biportal Surgery <i>Hana-Joy E Hanks, BSN, University of California Irvine</i> <i>*Presented by Carla Guedikian, BA</i>
7:36 am – 7:40 am	459 - Posterior Cervical Fusion Outcomes among Patients with Parkinson’s Disease <i>Harrison Massie, BA, University of Alabama at Birmingham</i>
7:40 am – 7:44 am	448 - How Does BMI Influence Operative Times in Endoscopic Lumbar Discectomies? <i>Nathan Kim, MD, NYU Langone Orthopedics</i>
7:44 am – 8:00 am	Discussion

Rapid Fire Session 2C – Total Joint (Olmsted 5)

Moderator: George W. Brindley, MD, *University of Texas*

7:00 am – 7:04 am	367 - Aspirin Prevents Venous Thromboembolism in Obese Total Joint Arthroplasty Patients <i>Laith Bahlouli, BA, New York University</i>
7:04 am – 7:08 am	255 - An Approach to Bone Health Optimization in Patients Undergoing Total Joint Arthroplasty

John M. Guido, MD, West Virginia University

7:08 am – 7:12 am	195 - VTE Prophylaxis across Arthroplasty and Proximal Femur Fracture ORIF <i>Jeffrey Blotter, BS, University of Arizona College of Medicine - Phoenix</i>
7:12 am – 7:16 am	452 - Digital Dynamic Radiography for Assessing Hip and Knee Arthroplasty Mechanical Complications <i>Emilio Arellano, BS, Emory University School of Medicine</i> <i>*Presented by Yagni Patel</i>
7:16 am – 7:20 am	254 - Standardizing Safe Cefazolin Use in Total Joint Arthroplasty: A Multidisciplinary Triage Protocol <i>John M. Guido, MD, West Virginia University</i>
7:20 am – 7:28 am	Discussion
7:28 am – 7:32 am	301 - Preoperative Clearance before Arthroplasty Impact on Adverse Cardiac Events Risk <i>Kimberly Dong, BS, Rothman Orthopaedic Institute</i>
7:32 am – 7:36 am	332 - Implementation and Outcomes of a Total Joints Preoperative Optimization Protocol <i>Richard Yoon, MD, RWJ / Barnabas Health</i>
7:36 am – 7:40 am	537 - Perioperative Outcomes of Conversion Total Hip Arthroplasty after Failed Fixation <i>Shriyaus R Lingam, BA, Rutgers New Jersey Medical School</i> <i>*Presented by Priyanka Mehta, BA, MBS</i>
7:40 am – 7:44 am	312 - Area Deprivation Index and Reimplantation after Girdlestone Resection <i>Henry H. Taylor, BA, University of Mississippi Medical Center</i> <i>*Presented by Kurre Lubber, BS</i>
7:44 am – 7:48 am	352 - Modern Solutions Used in Debridement Antibiotics and Implant Retention <i>Richard Yoon, MD, RWJ / Barnabas Health</i>
7:48 am – 7:52 am	460 - Adduction Fulcrum Mechanism of Reverse Shoulder Arthroplasty Instability <i>Landon Harris, BA, University of Kentucky College of Medicine</i>
7:52 am – 8:00 am	Discussion

Rapid Fire Session 2D – Practice Management (*Olmsted 6*)

Moderators: CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD, EdD
Wayne A. Johnson, MD, *Asst Clinical Professor Orthopaedic Surgery OUHSC,*
Chief Orthopedics OKC VAHC

7:00 am – 7:04 am	58 - Designing a 24–48 Hour Digital Orthopaedic Second-Opinion Pathway Informed by Patient Survey Data <i>Joseph Simon, DPT, XPRT2ND</i>
7:04 am – 7:08 am	443 - Insurance Type as Predictor of Tibial Plateau Fracture Recovery Outcomes <i>Grace Chong, BS, Albert Einstein College of Medicine</i>
7:08 am – 7:12 am	497 - Declining Medicare Reimbursement Rates for Orthopaedic Surgery Procedures, 2013-2023 <i>Mohammed D Albotabeekh, BS, Texas Tech University Health Sciences Center El Paso</i>
7:12 am – 7:16 am	287 - An Objective Analysis of Diversity Initiatives in Orthopedic Surgery Training <i>Jackson W. Blough, BA, Southern Illinois University (SIU) School of Medicine</i>
7:16 am – 7:20 am	7 - Representation of Ethics in Orthopaedic Surgery: A Systematic Review <i>Christopher J. Fang, MD, Kirk Kerkorian School of Medicine at UNLV</i> <i>*Presented by Samir Alkhouri, BS, MBA</i>
7:20 am – 7:28 am	Discussion
7:28 am – 7:32 am	577 - Impact of a Pipeline Program on Orthopedic Career Readiness <i>Brittney Moncrieffe, BS, SUNY Downstate COM</i>
7:32 am – 7:36 am	467 – Open Evidence vs. GPT on Orthopedic Training and Education Questions <i>Jawaad K. Javaid, BS, Henry Ford Health System</i>
7:36 am – 7:40 am	100 - Uneven Foundations: An Updated Report on the State of Musculoskeletal Training in Allopathic and Osteopathic Institutions <i>Amanda M. Moser, BA, Pereleman School of Medicine, University of Pennsylvania</i>

7:40 am – 7:44 am	369 - Evaluating Osteoporosis Treatment on Outcomes of Rotator Cuff Repair <i>Nikita Nair, BA, University of Louisville School of Medicine</i>
7:44 am – 7:48 am	51 - Cefazolin Plus Gentamicin vs. Ceftriaxone for Gustilo-Anderson Type III Open Lower Extremity Fractures <i>Cameron Foster, University of - Jacksonville</i>
7:48 am – 7:52 am	394 - Fragility Fractures in Hearing Loss Patients: A National Database Study <i>Arezo Ahmadi, BS, UCSF</i>
7:52 am – 8:00 am	Discussion

Rapid Fire Session 2E – Trauma (Olmsted 7)

Moderators: Curtis Burton, MD, *Midwest Orthopedic Specialists*
Brandi Hartley, MD, *University of Michigan*

7:00 am – 7:04 am	484 - Impact of Prior Pelvic Fracture on First Pregnancy Outcomes: A Propensity-Matched Cohort Study <i>Samir Alkhouri, BS, MBA, Kirk Kerkorian School of Medicine</i>
7:04 am – 7:08 am	119 - Cannabis Use is Associated with Increased Early Orthopaedic Complications <i>Alexander J Baur, DO, Liberty University</i>
7:08 am – 7:12 am	478 - National Diffusion of Cephalomedullary Nailing for Intertrochanteric Fractures <i>Faheem Pottayil, BS, Medical College of Georgia</i>
7:12 am – 7:16 am	130 - Understanding One-Year Mortality Rates and Comorbidity Burden following Hip Fractures <i>Chris Sun, BA, Rothman Orthopaedic Institute at Drexel University College of Medicine</i> <i>*Presented by Max E. Horowitz, BS</i>
7:16 am – 7:30 am	Discussion
7:30 am – 7:34 am	98 - Influence of Delayed Range of Motion on Outcomes and Complications in Bicondylar Tibial Plateau Fractures <i>Blake Hamil, University of Florida-Jacksonville</i> <i>*Presented by Cameron Foster, MD</i>
7:34 am – 7:38 am	121- Preoperative Hemoglobin is a Predictor of Complications in Orthopaedic Trauma <i>Alexander J Baur, DO, Liberty University</i>

7:38 am – 7:42 am	230 - GOLD-FEM: Geriatric Outcomes and Long-Term Data on FEMoral Fractures <i>Ellen E. Lutnick, MD, University at Buffalo Jacobs School of Medicine and Biomedical Sciences</i> <i>*Presented by Uriy Grabovyy</i>
7:42 am – 7:46 am	359 - Unsupervised Clustering of Xylazine-Associated Wounds: Identifying Clinical Phenotypes <i>Ohm Sharma, BS, Cooper Medical School of Rowan University</i>
7:46 am – 8:00 am	Discussion
8:05 am – 8:25 am	Focused Breakfast Presentation <i>*CME Credit not available</i>
8:35 am – 8:55 am	<i>BREAK – Please visit Exhibits (Olmstead 1, 2 & 3)</i>
8:55 am – 9:00 am	Announcements <i>Paul Celestre, MD, Scientific Program Chair</i>

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 <i>Robert R. Slater Jr., MD, Private practice, Folsom, CA and Clinical Professor, University of California, Davis</i>
9:15 am – 9:30 am	From Competence to Accountability: Training Fellows for Ownership of Outcomes <i>Steven Grindell, MD, Medical College of Wisconsin</i>
9:30 am – 9:45 am	Teaching Clinical Judgment in an Era of Expanding Indications and Options <i>Mark Gonzalez, MD, PhD, University of Illinois College of Medicine</i>
9:45 am – 10:00 am	Preparing Fellows for the System They Will Lead <i>Alfonso Mejia, MD, MPH, University of Illinois Chicago College of Medicine</i>
10:00 am – 10:30 am	Questions / Discussion

Symposium 7 – Translational Research

Moderator: Andrew N. Pollak, MD, *University of Maryland Medical System*

10:30 am – 10:38 am	Innovation in Orthopaedics <i>Ira Kirschenbaum, MD, Bronx Healthcare System</i>
10:38 am – 10:54 am	Current Concepts: Where are We Now? Current Treatments Using Cell Biology and Future Developments for Your Practice <i>George Muschler, MD, Cleveland Clinic</i>
10:54 am – 11:02 am	Experience with Translational Research <i>Andrew N. Pollak, MD, University of Maryland Medical System</i>
11:02 am – 11:10 am	Questions / Discussion
11:10 am – 11:30 am	<i>BREAK – Please visit exhibits (Olmstead 1, 2 & 3)</i>

Symposium 8 – Innovation that Elevates Clinical Excellence

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

11:30 am – 11:40 am	Quantifying the Manual Motor Examination <i>Joseph H. Schwab, MD, MS, Cedars-Sinai Medical Center</i>
11:40 am – 11:50 am	How and Why I Developed Negative Pressure Wound Therapy <i>Stephen K. Bubb, MD, St Thomas, Virgin Islands</i>
11:50 am – 12:00 am	A New Approach to Orthopaedic Journals <i>Ira Kirschenbaum, MD, Bronx Healthcare System</i>
12:00 am – 12:10 pm	Questions / Discussion

General Session 2 – Presidential Guest Speaker

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

**CME Credit not available*

12:10 pm – 12:15 pm	Introduction <i>CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD, EdD</i>
12:15 pm – 12:50 pm	Spacesuits and Surgical Suits: Parallel Paths in Human Protection and Contamination Containment <i>Cathleen Lewis, PhD, Smithsonian Institution's National Air and Space Museum</i>
12:50 pm – 1:20 pm	Focused Lunch Presentation <i>*CME Credit not available</i>
1:20 pm – 1:40 pm	<i>Dessert Break with Exhibitors (Olmstead 1, 2 & 3)</i>

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 <i>Michael Coval, BS, Coval Fitness</i>
1:55 pm – 2:10 pm	Ergonomics <i>Molly A. Hartzler, MD, Wake Forest University</i>
2:10 pm – 2:25 pm	Radiation Safety <i>John R. Dimar, MD, Norton Leatherman Spine Institute</i>
2:25 pm – 2:40 pm	Buddy Aid: When Sadness is a Diagnosis <i>Jeffrey Smith, MD, Orthopaedic Trauma & Fracture Specialists</i>
2:40 pm – 2:50 pm	Questions / Discussion

General Session 3 – George W. Brindley, MD Lecturer

2:50 pm – 2:55 pm	Introduction <i>George W. Brindley, MD, University of Texas</i>
2:55 pm – 3:25 pm	Solipsism, Soliloquies, and Syllogism: Patient Words and Music AI Cannot Hear <i>O. Alton Barron, MD, NYU Langone Medical Center</i>
3:25 pm – 3:45 pm	<i>BREAK – Please visit Exhibits (Olmstead 1, 2 & 3)</i>

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

Moderator: Mladen Djurasovic, MD, *Norton Leatherman Spine Center*

3:45 pm – 3:53 pm	Spine Registry and Your Practice <i>Mladen Djurasovic, MD, Norton Leatherman Spine Center</i>
3:53 pm – 4:01 pm	Preoperative Bone Health Optimization <i>John R. Dimar, MD, Norton Leatherman Spine Center</i>
4:01 pm – 4:09 pm	Understanding Contemporary Orthopaedic Surgery Literature <i>Leah Y. Carreon, MD, MSc, Norton Leatherman Spine Center</i>
4:09 pm – 4:17 pm	The Future of Spine Surgery <i>Jeffrey L. Gum, MD, Norton Leatherman Spine Center</i>
4:17 pm – 4:25 pm	Questions / Discussion

Saturday, August 29

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

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 <i>Alfonso Mejia, MD, MPH, University of Illinois College of Medicine</i>
7:47 am – 7:59 am	Priorities Day of Event <i>Craig Roberts, MD, MBA, University of Louisville Medical Center</i>
7:59 am – 8:11 am	Planning for the Day It Comes to Your Area <i>Andrew N. Pollak, MD, University of Maryland Medical System</i>
8:11 am – 8:35 am	Questions / Discussion
8:35 am – 9:05 am	Breakfast with Exhibitors (<i>Olmstead 1, 2 & 3</i>)

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 <i>Vanessa Chambers, RN, BSN, Care for Lives</i>
9:13 am – 9:21 am	(Recorded) Artificial Intelligence <i>Christian A. Pean, MD, Duke University</i>
9:21 am – 9:29 am	Optimizing Patient Satisfaction and Engagement <i>S. Ali Ghasemi, MD, Sidney Kimmel Medical College, Thomas Jefferson University</i>

9:29 am – 9:35 am Questions / Discussion

General Session 4 – Resident Paper Presentations (Live Grading)

Moderators: Afshin E. Razi, MD, *Maimonides Medical Center*
Paul Celestre, MD, *Norton Spine Leatherman Institute*

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
**Presented by Jessica Chastain, DO*

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
**Presented by Vincent Lee, BS*

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
**Presented by Vincent Lee, BS*

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
**Presented by Haseeb Tariq, BS*

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
**Presented by Matthew Michelberger*

10:00 am – 10:05 am Discussion

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

Moderator: Afshin E. Razi, MD, *Maimonides Medical Center*
Paul Celestre, MD, *Norton Spine Leatherman Institute*

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 Two-Year Complications in Surgical Fixation of Distal Radial Fractures in Geriatrics: A Nationwide Propensity Matched Analysis

Shragvi Balaji, BA, Baylor College of Medicine
**Presented by Zina S. Smadi, MD*

- 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
**Presented by Vincent Lee, BS*
- 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 – 11:45 am Leadership
CAPT Marlene DeMaio, Medical Corps, US Navy (ret); MD, EdD
- 11:45 am – 12:00 pm Introduction of 2026-2027 President
Alfonso Mejia, MD, University of Illinois Chicago
- 12:00 pm – 12:10 pm **Awards Presentations & Final Announcements**

-----***Lunch Break on Own***-----

- 1:00 pm – 2:00 pm **“Fireside Chat” with Dr. Michelle D. Miller (Prefunction)**
Meet Dr. Miller in person and chat with her in a relaxed environment. Bring your comments and questions.
**CME Credit Not Available*
- 1:00 pm – 2:00 pm **Orthopaedic Referrals from PT (Prefunction)**

Joseph Simon, DPT, XPRT2ND
**CME Credit not available*

1:00 pm – 4:00 pm **Medical Student and Resident Educational Sessions** (*Olmsted 5 & 6*)
**CME Credit not available*

Own the Bone (*Olmsted 7*)

1:05 pm - 1:30 pm Introduction to Osteoporosis
John Dimar, MD, Norton Healthcare

1:30 pm - 1:50 pm Overview of Pharmacologic Treatment Options for Osteoporosis
John Dimar, MD, Norton Healthcare

1:50 pm - 2:00 pm Break

2:00 pm - 2:30 pm Setting Up a Bone Health Program
John Dimar, MD and Samantha Mitchell, PA-C, Norton Healthcare

2:30 pm - 3:00 pm Billing, Coding, and Financial Considerations for a Bone Health Program
Amelia Wiggins, DO, OrthoCincy

3:00 pm - 3:30 pm Case Studies in Bone Health
John Dimar, MD and Samantha Mitchell, PA-C, Norton Healthcare
Amelia Wiggins, DO, OrthoCincy

3:30 pm - 4:00 pm Questions & Discussion