



# Clinical Orthopaedic Society 112th Annual Meeting

September 4-7, 2024 | JW Marriott Tampa Water Street | Tampa, FL

## Vision 20/24: Orthopaedic Horizons *Pioneering with the Next Generation*

### Preliminary Program

20 CME Credits Available



**Presidential Guest  
Speaker**  
Alex Jahangir, MD, MMHC



**George Brindley  
Lecturership Speaker**  
Mark Frankle, MD



**Dr. & Mrs. J. Elmer Nix  
Award Lecturer**  
Joseph Zuckerman, MD



# Accreditation Information

## 2024 PROGRAM COMMITTEE

The Clinical Orthopaedic Society gratefully acknowledges these orthopaedic surgeons, residents, and medical students for their contribution to the development of the Scientific Program:

### President

Afshin Razi, MD

### First President-Elect

Thomas DeBerardino, MD

### Second President-Elect

Marlene DeMaio, MD

### Secretary / Treasurer

Ramon F. Rodriguez, MD

### Librarian / Historian

George W. Brindley, MD

### Immediate Past President

Brendan J. MacKay, MD

### Past President

Robert Harris, MD

### Member Under the Age of 40

Kartik Shenoy, MD

### Members At Large

Elizabeth Polfer, MD

Sonia Chaudhry, MD

Curtis Burton, MD

### Educational Committee

Brent Ponce, MD

*2024 Program Chair*

Brandi Hartley, MD

*Medical Student & Resident Program Chair*

Afshin Razi, MD

*President*

Brendan MacKay, MD

*Chair-Past President*

Marlene DeMaio, MD

*Second President Elect*

James P. Ward, MD

*Immediate Past Program Chair*

Michael Derogatis, MD

*Resident Advisory*

Jack Ayres, MD

*Resident Advisory*

Mitchell Ng, MD

*Resident Advisory*

Amil Agarwal

*Medical Student Advisory*

Nazanin Kermanshahi

*Medical Student Advisory*

Arie Monas

*Medical Student Advisory*

Brittney Moncrief

*Medical Student Advisory*

## MISSION

In Chicago in 1912 the Central States Orthopaedic Club was founded with 38 members, the President being Dr. John Lincoln Porter of Chicago, Illinois. Members, some of whom were also members of the American Orthopaedic Association celebrating its silver anniversary, were from the central states: Illinois, Indiana, Iowa, Kansas, Louisiana, Michigan, Minnesota, Missouri, Nebraska, Ohio, Tennessee, and Wisconsin. The club was destined to become the premiere "show and tell" orthopaedic organization.

By 1923 the organization had grown and the name was changed to the Clinical Orthopaedic Society. The original ideas of the founders were "the observation in different cities of matters related to orthopaedic surgery and the free discussion amongst its members of orthopaedic methods and teaching."

In 1932, a number of members proposed changing the Clinical Orthopaedic Society into a national organization. The Board of the Clinical Orthopaedic Society, at that time, decided that a regional base was more practical. The Clinical Orthopaedic Society, in cooperation with the American Orthopaedic Association, subsequently formed the American Academy of Orthopaedic Surgeons, a national orthopaedic organization with membership by application. The first meeting of the AAOS was held in Chicago in 1932 in conjunction with the 20th meeting of the Clinical Orthopaedic Society. In recent years, an effort was made to redefine the niche for the Clinical Orthopaedic Society among orthopaedic organizations.

In 1990, the Clinical Orthopaedic Society became a national organization and retained its membership. There are several membership categories: Regular, Resident/Fellow, Candidate and Emeritus.

The primary function of the Clinical Orthopaedic Society is its annual meeting. The meeting format requires patient presentation as part of any presented paper, and a central walkway to demonstrate the patients. Questions from the floor are encouraged. In the words of the seal, "learn by seeing, hearing, fellowship and Criticism."

## TARGET AUDIENCE

The 112th Annual Meeting of the Clinical Orthopaedic Society has been developed primarily for orthopaedic surgeons, residents, physician assistants, and medical students.



## President's Message

### Afshin E. Razi, MD

As we stand on the cusp of our 112th Annual Meeting, I am reminded of the rich tapestry of history that the Clinical Orthopaedic Society (COS) weaves through the annals of medical excellence. Our society, the second oldest orthopaedic society, has been a cornerstone of clinical excellence and collaborative learning since its inception. Our legacy is not just built on the remarkable scientific contributions and educational seminars but also on the shared values and camaraderie that bind us together.

### Honoring Our Past, Embracing Our Future

The success of our 111th Annual Meeting serves as a testament to the vibrancy and resilience of our community. As we move forward, we are excited to present a special video that captures the essence of the COS legacy. This tribute not only celebrates our storied past but also underscores the enduring principles we continue to uphold.

### Vision 20/24: Orthopaedic Horizons - Pioneering with the Next Generation

Looking ahead to the 112th Annual Meeting, set for September 4-7, 2024, at the JW Marriott in Tampa, we are inspired by the theme "Vision 20/24: Orthopaedic Horizons." This theme reflects our commitment to integrating the fresh perspectives of new surgeons with the proven wisdom of experienced practitioners. It embodies our collective dedication to advancing orthopaedic surgery, embracing change, and facing challenges together to enhance patient care and achieve new breakthroughs.

In this spirit, we are honored to feature Dr. Joseph Zuckerman and Dr. Mark Frankle, whose contributions perfectly encapsulate our theme's essence. Their work not only reflects the innovative spirit of COS but also paves the way for future generations.

### Expanding Our Reach and Deepening Our Impact

As we continue to build upon our rich heritage, we are excited to introduce new initiatives designed to enrich our members' experiences and foster the growth of our community:

- Quarterly CME Virtual Seminars: Keeping our members at the forefront of professional development.
- Medical Student and Resident Advisory to the Board: A new mentorship platform to guide the future of orthopaedics.
- COS Membership Expansion: Extending our welcome to medical students, offering them a unique opportunity to learn and grow within our community.
- Virtual Whiskey Member Gatherings and COS Spouse Club: Enhancing our sense of community through unique and engaging initiatives.

### A Pioneering Educational Experience

Anticipate enriching sessions tailored for all educational levels, from medical students to physician extenders. Dive into scientific presentations spanning E-Posters to podium presentations. Take pride in competing for awards specifically designed for medical students and residents.

- Rapid Fire Awards: 3 Residents/Fellows and 3 Medical Students
- E-Poster Awards: 1 Resident/Fellow and 1 Medical Student
- Physical Poster Awards: 2 Residents/Fellows and 2 Medical Students
- Oral Presentation Monetary Awards: 3 Residents/Fellows and 3 Medical Students

### Elevating Educational Endeavors

This year's meeting will feature dedicated sessions on Saturday afternoon to cater to the educational needs of medical students, residents, and physician extenders, culminating in a mentorship session brimming with hands-on experiences.

### A United Call to Action

This is an invitation to join hands with fellow orthopaedic professionals from all walks of life and stages of their career. Together, we can forge a future that honors our past achievements while pushing the boundaries of what is possible in orthopaedic surgery.

Let us continue to champion the spirit of innovation, collaboration, and excellence that has always defined us. Together, we will write the next chapter in the history of the Clinical Orthopaedic Society, one that future generations will look back on with pride.

### Afshin E. Razi, MD

President, Clinical Orthopaedic Society





## Presidential Guest Speaker

### Amir Alex Jahangir, MD, MMHC

Dr. Alex Jahangir is an orthopaedic trauma surgeon and a professor of Orthopaedic Surgery, Medicine, and Health Policy at Vanderbilt University Medical Center. He is vice president of business development, vice-chair of orthopaedic surgery and director of the division of orthopaedic trauma at VUMC.

In March 2020, Dr. Jahangir was named chair of the Nashville Covid-19 Taskforce by Mayor John Cooper. In this capacity, Alex led the response to the Covid-19 pandemic for Nashville including the development and implementation of policies that mitigated the spread of the virus, increased access to testing and assessment for all in the community, established a robust public health infrastructure, and served as a principal source of information to the public regarding the Covid-19 pandemic in Nashville. He is the author of *Hotspot: A Doctor's Diary From the Pandemic* a book chronicling his and the Nashville COVID-19 Task Force's efforts to protect the city and its people throughout the pandemic.

Dr. Jahangir has been lauded for his community service and is a recipient of the American Academy of Orthopaedic Surgeons Tipton Leadership Award and the Campbell Clinic Alumni Award for Community Impact. He also was recognized by Major League Soccer as a 2020 Community MVP, as well as, by the Kiwanis Club as Outstanding Nashvillian of the Year for his service to the Nashville community.



## George W. Brindley, MD

### Lecture Speaker

#### Mark Frankle, MD

In response to encountering a subset of patients for whom there was no effective treatment, Dr. Frankle is the surgeon responsible for bringing reverse shoulder arthroplasty to the United States. His original implant

design utilized a lateralized center of rotation which was revolutionary compared to the accepted standard in Europe and it took many years of presenting his durable results to garner acceptance of his work from his peers. He has consistently devoted himself to the refinement of surgical technique and implant design to optimize the device to treat an ever-expanding list of surgical indications. His surgical outcomes remain an enduring testament to the viability and utility of shoulder arthroplasty, both anatomic and reverse. The tenets of his implant design for reverse prostheses are now mirrored by every major orthopaedic implant manufacturer, the surgery he pioneered for American patients is now one of the fastest growing surgical procedures in the nation, and he now holds numerous patents on implants, including anatomic total shoulder, reverse total shoulder prosthetics and suture removal systems. Dr. Frankle's ingenuity and dogged commitment to improving patient care have garnered him worldwide acclaim as the preeminent expert on reverse shoulder arthroplasty.

One of the most active researchers in the field of shoulder and elbow surgery, Dr. Frankle has authored more than two hundred peer-reviewed articles in professional journals, has published a textbook on reverse shoulder arthroplasty, maintains ongoing research projects, and is consistently invited to present his findings at countless professional orthopedic conferences. His work is often nominated for and has twice received the prestigious Charles S. Neer award for Basic Science from the American Shoulder and Elbow Surgeons. His work on periprosthetic joint infections most recently earned the Charles S. Neer Award for Clinical Research.

Dr. Frankle currently serves on the Executive Board of the Society of American Shoulder and Elbow Surgeons and is a recent past President of the Society. He is the director of the Biomechanical Shoulder and Elbow Research Lab at the University of South Florida College of Engineering. He is also the director of the Shoulder and Elbow fellowship program, a collaborative effort between the Florida Orthopaedic Institute and the Foundation for Orthopaedic Research and Education responsible for the training of 3-4 surgical fellows every year. The program currently boasts 70+ alumni.

Dr. Frankle enjoys setting aside time for researching and finding new ways to innovate and progress orthopedics from a surgical perspective. His implementations continue to act as stepping stones that improve overall orthopedic care.

## Accreditation Information

### CME ACCREDITATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Academy of Orthopaedic Surgeons and the Clinical Orthopaedic Society. The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The American Academy of Orthopaedic Surgeons designates this COS Annual Meeting, September 4-7, 2024 to be held in Tampa, FL for a maximum of 20 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

- 20 CME Credits for Scientific Program

### CEC CREDIT

Physician Assistants can receive up to 20 credit hours toward Continuing Education Credits. ACPA accepts American Medical Association Category I CME credit for the Physician's Recognition Award from organizations accredited by the ACCME.

### PURPOSE

1. To provide participants with an objective, unbiased educational experience that will enable them to remain current in both the knowledge and practical elements of contemporary orthopaedic surgery.
2. To provide participants with a detailed, in-depth education of selected topics relevant to the practice of orthopaedic surgery.
3. To allow participants to assess potential deficiencies in their knowledge base pertaining to the practice of orthopaedic surgery.
4. To present ample opportunities for participants to exchange ideas with the presenters, the faculty and other enrollees through paper presentations, guest lectureships, symposia, multimedia educational sessions and poster exhibits.

### OBJECTIVES

Educational objectives will be met through a combination of paper presentations, lectures and workshops in plenary, concurrent and specialty sessions with ample time afforded for open discussion. The following objectives will be addressed during the Scientific Program, such that at the conclusion of this course the attendees will be expected to:

1. Improve their diagnostic, treatment and technical skills in the management of orthopaedic afflictions by assimilation of scientific advances.
2. Discuss basic science paradigms as they relate to treatment advances.
3. Understand some of the basic principles in practice management.

Critically assess emerging trends in orthopaedic medicine and evaluate their evidence basis.

### DISCLAIMER

The products, procedures and opinions presented at this meeting reflect the viewpoint or approach of the presenter only and are not to be attributed to the Clinical Orthopaedic Society. The Clinical Orthopaedic Society presents such material for informational purposes only and does not endorse any such product or the content of any such presentation.

### FORMAT

The educational sessions will be held September 4-7, 2024, from 7:00 am - 6:00 pm on Thursday, Friday and Saturday.

### SCIENTIFIC E-POSTER SESSIONS

Scientific E-Posters are an important feature of the COS Annual Meeting. E-Posters will be on display each day of the Scientific Program and E-Poster presenters will be available to answer questions before and after the Scientific Program sessions. Please note on the Scientific Program Schedule the designated times that the E-Poster presenters will be available for discussion.

### PHYSICIAN REGISTRATION FEE

Registration covers the Scientific Program, syllabus, E-Poster sessions, daily continental breakfasts and coffee breaks, general meeting expenses, the Welcome Reception, and Friday Night Mixer.



## Dr. & Mrs. J. Elmer Nix Award Recipient

Joseph Zuckerman, MD

Joseph D. Zuckerman, MD, is the Walter A. L. Thompson Professor of Orthopaedic Surgery at the NYU School of Medicine (SOM) and Chairman of the Department of Orthopaedic Surgery at NYU Hospital for Joint Diseases (HJD). He is a graduate of Cornell University and of the Medical College of Wisconsin where he was a member of the Alpha Omega Alpha Medical Honor Society. He completed his residency in orthopaedic surgery at the University of Washington Affiliated Hospitals, a fellowship in adult reconstructive surgery and arthritis research at Harvard's Brigham and Women's Hospital, and was a visiting clinician in shoulder surgery at the Mayo Clinic.

Dr. Zuckerman has been part of the HJD faculty since 1984 and was appointed Chair of its Department of Orthopaedic Surgery in 1994. Three years later, he became chairman of the NYU Department of Orthopaedic Surgery and initiated the merging of the two departments. He served as director of the orthopaedic residency program, one of the largest in the country, from 1990 to 2006. Being involved in resident education has always been important to Dr. Zuckerman. It was one of the most important reasons he chose an academic career. He takes great pride in the fact that since 1984 he has been actively involved in the education of over 250 orthopaedic residents. He is an internationally-recognized expert in shoulder surgery and hip and knee replacement, he established the Hip Fracture Research Group and the Shoulder Research Group, and helped design a shoulder replacement system for the treatment of glenohumeral arthritis and shoulder fractures.

Dr. Zuckerman has received the Clinical Research Award from the Orthopaedic Research and Education Foundation, the Mel Post Award from the American Shoulder and Elbow Surgeons (ASES), Alumnus of the Year from the Medical College of Wisconsin and the Lifetime Achievement Award from the Arthritis Foundation's New York Chapter. However, most important to Dr. Zuckerman, has been being a five-time recipient of the "Teacher of the Year" award from the NYUHJD orthopaedic residents.

Dr. Zuckerman was selected as an American-British-Canadian Traveling Fellow by the American Orthopaedic Association. He serves as a spokesman for the American Academy of Orthopaedic Surgeons (AAOS), sits on the editorial board of several medical journals, and has authored 14 textbooks and over 28 scientific articles. He is former president of the ASES, and former chair of the Council on Education for AAOS, the largest professional orthopaedic association in the world. He recently completed a four year term as a member of its Board of Directors serving as second vice-president, first vice-president and president from 2009-2010.

In addition to Dr. Zuckerman's educational, research and administrative responsibilities, he maintains an active clinical practice specializing in shoulder surgery and hip and knee replacements, performing over 280 operative procedures each year.

## Invited Guests



**AAOS**

Paul Tornetta, MD



**ABOS**

David Martin, MD



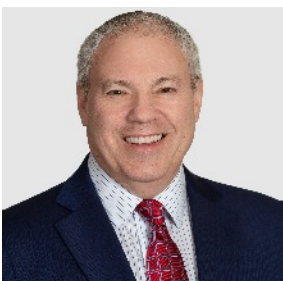
**AOA**

Kyle Jeray, MD



**J. Robert Gladden  
Orthopaedic Society**

Lattisha Bilbrew, MD



**OREF**

Lee Grossman



**Ruth Jackson  
Orthopaedic Society**

Corinna Franklin, MD



**Friday Night Mixer  
Speaker**

Antonio Webb, MD



**Physician Wellness  
Speaker**

Vonda Wright, MD

WEDNESDAY, SEPTEMBER 4

- 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 5

- 6:00 am – 6:45 am Poster View (E-Poster and Physical Poster)
- 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  
Allison E. Crepeau, MD, Connecticut Children's
- 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  
Allison E. Crepeau, MD, Connecticut Children's  
Corinna CD Franklin, MD President, Ruth Jackson Orthopaedic Society, Yale School of Medicine  
Stephanie Logterman, MD, Arnold Palmer 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 \*CME Credit not available

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

- 8:00 am – 8:10 am AOA Update  
Kyle Jeray, MD, Prisma Health
- 8:10 am – 8:15 am ABOS Update  
David F. Martin, MD, American Board of Orthopaedic Surgery
- 8:15 am – 8:30 am AAOS Update  
Paul Tometta, MD, Boston Medical Center
- 8:30 am – 8:35 am OREF Update  
Lee Grossman, CEO

8:35 am – 9:05 am Focused Breakfast Presentation \*CME Credit not available

9:05 am – 9:35 am BREAK — Please visit exhibits

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

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

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 – 11:30 am Presentations

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 Tometta, MD, 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  
Brandi R. Hartley, MD, University of Louisville  
Amir A. 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 Tometta, MD, Boston Medical Center

Rapid Fire Session 1A – 1C

- 1:55 pm – 2:45 pm Presentations

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

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  
Amir A. 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

5:30 pm – 7:00 pm President's Welcome with Exhibitors

7:30 pm – 10:00 pm Social Event: Starship Cruise Dinner



FRIDAY, SEPTEMBER 6

**6:00 am – 6:55 am**      **Poster View** (E-Poster and Physical Poster)

**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**  
Allison E. Crepeau, MD, Connecticut Children's  
Jeffrey R. Dugas, MD, Andrews Sports Medicine & Orthopaedic Center  
Reza Jazayeri, MD, Southern California Permanente Medical Group  
Scott A. Sigman, MD, Orthopedic Surgical Associates of Lowell  
Vonda J. Wright, MD, MS, FAOA, The Hughston Clinic  
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 – 8:50 am      Presentations

**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**  
Lattisha Bilbrew, MD, Resurgens Orthopaedics  
Jack Choueka, MD, Maimonides Medical Center  
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**      **Focused Lunch 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**  
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 Session 2A – 2C**

4:50 pm – 5:50 pm      Presentations

**8:00 pm**      **Resident, Medical Students, Faculty and Exhibitors Mixer**  
**Antonio Webb, MD, San Antonio, TX**

SATURDAY, SEPTEMBER 7

6:00 am – 6:55 am	Poster View (E-Poster and Physical Poster)
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, The Bone & Joint Center
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 Matthew R. DiCaprio, MD, The Bone & Joint Center 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 – 8:55 am	Presentations
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

Craig S. Radnay, MD, MPH, Florida Orthopaedic Institute Lew C. Schon, MD, Mercy Medical Center Steven D. Steinlauf, MD, University of Miami	
Case Discussions:	
<ul style="list-style-type: none"><li>Realigning Paths: Innovative Approaches in Treating Malunions of Ankle Fractures</li><li>Overcoming Obstacles: Strategies for Large and Failed Talar Osteochondral Defects</li><li>Stabilizing the Course: Addressing Persistent Ankle Instability and the Impact of Varus or Valgus Deformities through Revisions and Osteotomies</li></ul>	
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 Yong H. Kim, MD, NYU Langone Spine Center Emmanuel N. Menga, MD, University of Rochester Medical Center Antonio Webb, MD, San Antonio, TX
11:45 am – 11:55 am	Award Presentation
11:55 am – 12:15 pm	Clinical Orthopaedic Society Annual Membership and Business Meeting
12:30 pm – 5:00 pm	Medical Student Program
12:30 pm – 5:00 pm	Resident Program
1:00 pm – 5:00 pm	Allied Health Program

Saturday Breakout Program Agendas

MEDICAL STUDENT PROGRAM AGENDA	
12:30 PM	Lunch/Welcome/Mentorship
1:00 PM	Paths to Ortho: Process Overview
1:20 PM	Signaling Update
1:30 PM	A Day in the Life Resident Panel
2:00 PM	Q&A Session
2:20 PM	Teams Assigned, Develop Team Name
2:30 PM	Team Competition (M1-M4)
	Station #1: Timed External Fixator Placement
	Station #2: 20 Radiographs
	Station #3: Timed Plating of Ulna
	Station #4: Identify the Eponyms
4:00 PM	Coffee Break with Snacks
4:15 PM	Speed Mentoring with Faculty/Residents
5:00 PM	Close Program

ALLIED HEALTH PROGRAM - Open to Allied Health Professionals and Surgeons

12:30 PM	Welcome and Lunch
1:15 PM	Introduction to Pacira History of Cryoneurolysis
1:45 PM	Hands-on with iovera°
2:30 PM	iovera° Orthopedic Applications <ul style="list-style-type: none"><li>Superficial Genicular Nerves</li><li>Deep Genicular Nerves</li><li>Nerves of the Foot and Ankle</li></ul>

RESIDENT PROGRAM AGENDA	
12:30 PM	Lunch/Welcome/Mentorship
1:00 PM	Business Side of Medicine
1:50 PM	Teams Assigned, Develop Team Name
2:00 PM	Team Competition (PGY1-PGY5)
	Station #1: Arthroscopy Foreign Body Removal and Meniscal Repair
	Station #2: Intramedullary Nailing of Tibia Shaft Fracture
	Station #3: Distal Humerus ORIF
	Station #4: Orthopaedic Knowledge Trivia
4:00 PM	Coffee Break with Snacks
4:15 PM	Speed Mentoring with Faculty
5:00 PM	Close Program
<ul style="list-style-type: none"><li>Suprascapular Nerve</li><li>Axillary Nerve</li></ul>	
Orthopedic Applications Scanning	
Hand-Eye Pork Shoulder	
Tactile Practice	
5:00 PM	Program Close

## WEDNESDAY, SEPTEMBER 4

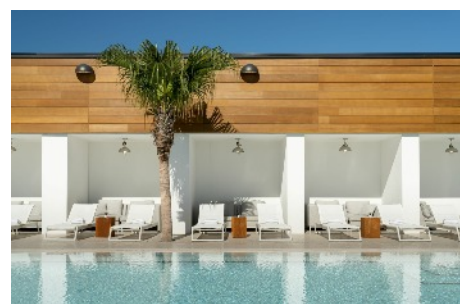
- 12:00 pm – 5:00 pm **Meeting Registration**  
12:00 pm – 5:00 pm **Exhibitor Setup**  
12:00 pm – 8:00 pm **Speaker Ready Area**  
1:00 pm – 5:00 pm **Board Meeting**

## THURSDAY, SEPTEMBER 5

- 6:00 am – 5:25 pm **Meeting Registration**  
6:00 am – 8:00 pm **Speaker Ready Area**  
7:00 am – 8:00 am **Yoga / Pilates**  
Practice calming, rejuvenating yoga poses on the 6th floor poolside lawn. In this tranquil environment, you can connect with your breath, improve flexibility and find inner peace while surrounded by the beautiful Tampa skyline. Mats, towels and water provided.  
**Price: Included in Registration Fee (Maximum 10 people)**
- 8:30 am – 10:00 am **Spouse/Children's Hospitality Breakfast**  
Enjoy a continental breakfast with old friends and get to know new ones.  
**Price: Included in Registration Fee or \$40 per Unregistered Adult Guest / \$20 per Unregistered Child (5-17)**
- 8:35 am – 9:05 am **Focused Breakfast Presentation \*CME Credit not available**  
**Price: Included in registration fee**
- 10:30 am **Armature Works**  
Take some time on your own to enjoy Armature Works – a historic mixed-use hub ripe for exploration. AW is full of unique experiences, innovative eateries, memorable events and everything in between. With its unobstructed view of the Hillsborough River, the historic structure has been restored and reimagined into a premier Tampa destination. AW features a rooftop bar, a 73,000-square-foot restored and reimagined warehouse, and new experiences around every city block. AW is at the heart of the Heights District, a 50-acre mixed-use urban area anchored by the Hillsborough River and Downtown Tampa. Here, a vibrant community of individuals lives, works and plays.  
**This is an activity to be enjoyed independently, and you are responsible for your own transportation.** AW is 1.8 miles from the hotel, and the Pirate Water Taxi stops out front of the area. Fees apply – [www.piratewatertaxi.com](http://www.piratewatertaxi.com)
- 11:30 am – 12:00 pm **Focused Lunch Presentation \*CME Credit not available**  
**Price: Included in registration fee**
- 5:30 pm – 7:00 pm **President's Welcome Reception with Exhibitors**  
Before you go to dinner, start your evening off with drinks and hors d'oeuvres with the COS.  
**Price: Included in Registration Fee**
- 7:30 pm – 10:00 pm **Dinner Cruise**  
Depart Tampa Convention Center and sip, savor and sail your way around Tampa Bay. Witness the picturesque Tampa Bay skyline or the beautiful sunset along the Gulf at Clearwater Beach, then dance with our live DJ on our open-air top deck. Your venture on the StarShip III will be one to remember.  
**Price: \$80 per person (Includes dinner, \$20 beverage credit, dancing, taxes and gratuity)**

## FRIDAY, SEPTEMBER 6

- 6:00 am – 8:00 pm **Speaker Ready Area**  
6:30 am – 5:50 pm **Meeting Registration**  
7:00 am – 8:00 am **Yoga / Pilates**  
Practice calming, rejuvenating yoga poses on the 6th floor poolside lawn. In this tranquil environment, you can connect with your breath, improve flexibility and find inner peace while surrounded by the beautiful Tampa skyline. Mats, towels and water provided.  
**Price: Included in Registration Fee (Maximum 10 people)**
- 8:30 am – 10:00 am **Spouse/Children's Hospitality Breakfast**  
Enjoy a continental breakfast with old friends and get to know new ones.  
**Price: Included in Registration Fee or \$40 per Unregistered Adult Guest / \$20 per Unregistered Child (5-17)**





8:50 am – 9:20 am

**Focused Breakfast Presentation \*CME Credit not available**

**Price: Included in registration fee**

10:30 am – 5:00 pm

**Florida Aquarium**

Spend your afternoon visiting one of the best aquariums in the US to see sea turtles, sharks, lemurs, otters and more. Learn about conservation efforts and enjoy hands-on experiences with various rays in the 5,000-gallon touch pool. Kids can enjoy the Splash Pad – an outdoor play area complete with dry and wet zones.

The Aquarium is .6 miles (an 11-minute walk) from the hotel. It is two stops away using the complimentary Streetcar System, which picks up at Dick Greco Station or HSBC Station outside the JW Marriott and runs every 15 minutes. The Aquarium closes at 5:00 pm.

**Price: \$26 adult / \$22 child (ages 3-11) Transportation not included. (Minimum 25 participants)**

6:00 pm – 8:00 pm

**Dine Around**

Join your colleagues and friends for a night of dining at one of four reserved restaurants in Tampa. The COS has made all the arrangements for you – Just sign up on-site at registration with your friends and enjoy! This is an event to be enjoyed independently, and each individual will be responsible for their own bill.

8:00 pm

**Resident, Medical Students, Faculty and Exhibitors Mixer**

Join your colleagues for an evening of live music from the COS Band and an engaging talk from Dr. Antonio Webb.

**Price: Included in Registration Fee**



**SATURDAY, SEPTEMBER 7**

6:00 am – 12:15 pm

**Speaker Ready Area**

6:30 am – 12:15 pm

**Meeting Registration**

7:00 am – 8:00 am

**Yoga / Pilates**

Practice calming, rejuvenating yoga poses on the 6th floor poolside lawn. In this tranquil environment, you can connect with your breath, improve flexibility and find inner peace while surrounded by the beautiful Tampa skyline. Mats, towels and water provided.

**Price: Included in Registration Fee (Maximum 10 people)**

8:30 am – 10:00 am

**Spouse/Children's Hospitality Breakfast**

Enjoy a continental breakfast with old friends and get to know new ones.

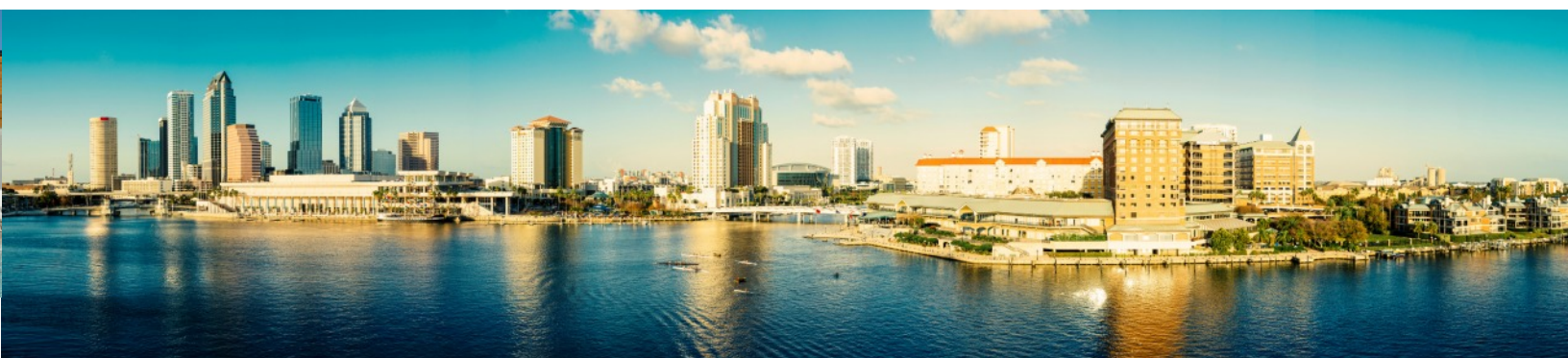
**Price: Included in Registration Fee or \$40 per Unregistered Adult Guest / \$20 per Unregistered Child (5-17)**

10:30 am

**Tampa RiverWalk**

Take in the beautiful waterfront views and feel the warm sun along the Tampa Riverwalk. This 2.6-mile walk runs along the Hillsborough River to the Garrison Channel. Start your journey at the bustling Heights Market at Armature Works, stop along at the vibrant Curtis Hixon Park, and continue until you reach Sparkman Wharf. Locals and visitors alike can walk, bike, or take a scooter down the Riverwalk where they can stop at one of the many attractions, bars, or restaurants. At night, witness the colorful lights that bring the Riverwalk to life.

**This is an activity to be enjoyed independently, and you are responsible for your own transportation.** Armature Works is 1.8 miles from the hotel, and the Pirate Water Taxi stops in front of the area. Fees apply – [www.piratewatertaxi.com](http://www.piratewatertaxi.com)

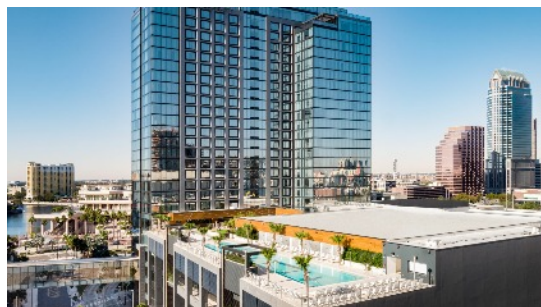






Scan to Book Online

## Hotel Information



### JW Marriott Tampa Water Street

510 Water Street  
Tampa, FL 33602

### Hotel Room Pricing for September 1-8, 2024

Discount Deadline: August 11, 2024

Deluxe Room - \$239 per night

Call **1-813-221-4950** and mention that you are attending the COS Annual Meeting to receive the discounted sleeping room rates.

JW Marriott Tampa Water Street combines modern luxury with the sophisticated energy of Tampa's vibrant downtown district; the Tampa Riverwalk, Amalie Arena and other attractions are right at your fingertips. Find wellness in the Spa by JW®, with its luxurious treatments and custom massages. Relax and bask in the Florida sun at our resort-style pools, which feature private cabanas and scenic water views. Catch an awe-inspiring sunset from our outdoor terrace or savor locally inspired dishes from six dining outlets, showcasing indoor and outdoor seating. After a day of exploration, unwind in sophisticated lodging with stunning city and water views, contemporary décor and elegant touches. Spark creativity or celebrate a special occasion in nearly 100,000 square feet of artful event space. From chef-crafted specialties to holistic wellness amenities to sleek, modern rooms, our hotel is dedicated to your well-being.

## Travel Information

Tampa International Airport (TPA) is only 7 miles from the JW Marriott, and St Petersburg-Clearwater Airport (PIE) is 17.5 miles away.



# Annual Meeting Registration Form

## Clinical Orthopaedic Society's 112th Annual Meeting

September 4-7, 2024 | JW Marriott Tampa Water Street | Tampa, FL

[www.cosociety.org](http://www.cosociety.org) • Phone: 888-695-0515 • Fax: 410-494-0515

Name	Degree	Sub-Specialty	
Company/Institution	Department		
Address	City	State	ZIP
Office Phone	Email Address		

### Physician/Allied Health Registration Fee Includes:

Scientific Sessions, Scientific Poster & E-Poster Sessions, Symposia, Continental Breakfasts, Workshops, Breaks, the President's Welcome Reception on Thursday evening and the Friday Night Mixer.

### Spouse/Guest Registration Fee Includes:

The President's Welcome Reception on Thursday evening, the Friday Night Mixer, daily Yoga, and Hospitality Breakfasts on Thursday, Friday and Saturday.

### TOUR/ACTIVITY CANCELLATION POLICY

Full refund will be granted if a cancellation is made prior to 30 business days before the meeting date. No refund will be guaranteed within 30 business days of the meeting. COS will attempt to sell unwanted tickets on a first-come, first-served basis. If COS successfully sells your unwanted ticket, you will receive a full refund of the ticket cost. COS reserves the right to cancel an activity if the minimum number of participants has not purchased tickets prior to 30 business days before the meeting date.

#	Registrant Category	Fee
	COS Member Physician	\$775
	NEW 2024 COS Member Physician	\$0
	Non Member Physician	\$875
	Emeritus Member	\$345
	Active Duty Military Physician	\$200
	Physician Assistant	\$345
	Allied Health Professional	\$345
	Athletic Trainer	\$200
	Resident/Fellow	\$50
	Medical Student	\$50
	Spouse/Guest	\$225

	Saturday Breakout Programs
	Medical Student Program
	Resident Breakout Program
	Allied Health Breakout Program (Open to Allied Health & Surgeons)

#	Tours/Activities	Fee
	StarShip Dinner Cruise - Thu 9/5 (\$80)	
	Florida Aquarium - Adult - Fri 9/6 (\$26)	
	Florida Aquarium - Child (3-11) - Fri 9/6 (\$22)	

Please provide the information below for each of your adult guests so we can include their name badges in your registration packet.

Spouse/Guest Name City State

Guest Name City State

Guest Name City State

Guest Name City State

**CANCELLATION POLICY:** Full refund (less \$50 administrative fee) will be granted if a cancellation is made prior to 10 business days before the meeting date; a 50% refund if canceled between 5 and 10 business days before the meeting date. No refund will be granted within 5 business days of the meeting, or anytime thereafter.

☐ **SPECIAL NEEDS:** If you have hearing, vision or mobility impairment and need appropriate accommodations in order to participate fully in this activity, check here and notify us by August 15, 2024. You will be contacted by the COS Management Company, DTMS, to discuss your needs.

Physician/Allied Health Registration Fee \$ \_\_\_\_\_

Guest Registration Fees \$ \_\_\_\_\_

Tours/Activities Fees \$ \_\_\_\_\_

**TOTAL \$ \_\_\_\_\_**

☐ Check Enclosed (payable to Clinical Orthopaedic Society)

☐ Charge my: ☐ Visa ☐ MasterCard ☐ American Express

Credit Card Number Expiration Date CVV

Name on Card

Billing Address City State ZIP

☐ I would like to opt out of receiving promotional emails.

☐ Do not share my information with third party vendors.





**Clinical  
Orthopaedic  
Society**

110 West Road, Suite 227  
Towson, MD 21204

# 112th Annual Meeting

September 4-7, 2024 | JW Marriott Tampa Water Street | Tampa, FL

Scan for details

