

COS Scientific Program
November 4th-6th
Nashville, TN
(Presenters and times are subject to change.)

Thursday, November 4th

6:30 am – 7:00 am **Multimedia Education Session**

7:00 am – 7:10 am **Welcome and Opening Remarks**
J. Randall Riehl, MD, President
William C. Warner Jr., MD, Program Chair

Symposium 1 - Sports Knee

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

7:10 am – 7:30 am ACL Graft Choice “What I Use and When”
E. Lyle Cain Jr., MD, Andrews Sports Medicine and Orthopaedic Center

7:30 am – 7:50 am Decision Making in Patellofemoral Instability
Sabrina Strickland, MD, Hospital for Special Surgery

7:50 am – 8:10 am Options for Cartilage Defects
Andreas Gomoll, MD, Hospital for Special Surgery

8:10 am – 8:20 am Case Presentations and Discussion

8:20 am – 8:50 am **Industry Breakfast Presentation**
**CME Credit Not Available*

General Session 1 – ABOS & AAOS Update

Moderator: J. Randall Riehl, MD, *Decatur Orthopaedic Clinic*

8:50 am – 8:55 am ABOS Update
David F. Martin, MD, American Board of Orthopaedic Surgery

8:55 am – 9:10 am AAOS Update
Daniel K. Guy, MD, FAAOS, Southern Center for Orthopedics

9:10 am – 9:30 am ***BREAK—Please visit Exhibits***

Symposium 2 - Spine

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

9:30 am – 9:50 am Cervical Spine Disorders Update

Byron Stephens, MD, Vanderbilt University Medical Center

- 9:50 am – 10:10 am Spinal Interventions
Aaron Yang, MD, Vanderbilt University Medical Center
- 10:10 am – 10:30 am Lumbar Degenerative Surgical Pathology
Kirk Thompson, MD, Campbell Clinic
- 10:30 am – 10:40 am Case Presentations and Discussion
- 10:40 am – 11:00 am ***BREAK—Please visit Exhibits***

General Session 2 – Presidential Guest Speaker

Moderator: J. Randall Riehl, MD, *Decatur Orthopaedic Clinic*

- 11:00 am – 11:40 am Opioid Crisis
Hassan R. Mir, MD, MBA, FACS, Florida Orthopaedic Institute
- 11:40 am – 12:40 pm **Focused Lunch Presentation and Dessert Break with Exhibitors**
**CME Credit Not Available*

Symposium 3 - Trauma

Moderator: Robert M. Harris, MD, *The Hughston Clinic*

- 12:40 pm – 1:00 pm Overcoming Challenges in the Obese Trauma Patient
Christopher Cosgrove, MD, Campbell Clinic
- 1:00 pm – 1:20 pm Suprapatellar Tibial Nailing
Hassan R. Mir, MD, MBA, FACS, Florida Orthopaedic Institute
- 1:20 pm – 1:40 pm Periprosthetic Fractures – Tips and Tricks
Phillip Mitchell, MD, Vanderbilt University Medical Center
- 1:40 pm – 2:00 pm ***BREAK – Please visit Exhibits***

Symposium 4 - General

Moderator: Bess E. Brackett, MD, *Sacramento, CA*

- 2:00 pm – 2:20 pm Robotic TKA-Ready for Prime Time or Not?
Craig Morrison MD, Southern Joint Replacement Institute
- 2:20 pm – 2:40 pm Robotic THA-Ready for Prime Time or Not?
Cory Calendine MD, Bone & Joint Institute
- 2:40 pm – 3:00 pm Radiation Exposure in Orthopaedics

John E. Garber, MD, Witham Orthopaedic Associates

3:00 pm – 3:20 pm Subchondroplasty and RX of Bone Marrow Lesions - Fact or Fiction

Justin L. Daigre, MD, Decatur Orthopaedic

3:20 pm – 3:40 pm Infection Prevention in TJA

James E. Keeney, MD, Missouri Orthopaedic Institute

3:40 pm – 4:00 pm Discussion

Rapid Fire Sessions 1A – Sports

Moderators:

4:05 pm – 4:09 pm 68 - Stride Width and Meniscal Injury in Professional Pitchers

Joseph E. Manzi, Weill Cornell Medicine

4:09 pm – 4:13 pm 145 - Biomechanical Assessment of Knot Tying on an Adjustable Suspensory Fixation Device

Kevin Feltz, MS, MD, Sanford Health

4:13 pm – 4:17 pm 5 - Progression to Glenohumeral Arthritis after Arthroscopic Anterior Stabilization in a Young and High Demand Population

Bobby G. Yow, MD, Walter Reed National Military Medical Center

4:17 pm – 4:21 pm 128 - Short-Term Outcomes after Distal Biceps Repair Using a National Cohort

Cody Goedderz, BS, Northwestern University

4:21 pm – 4:25 pm 45 - Performance Following High Ankle Sprain in National Football League Players

Zachary Silber, BS, Warren Alpert Medical School of Brown University

4:25 pm – 4:29 pm 43 - Comparison of Compressive Force and Contact Area for High-Strength Tapes

David Spenciner, DePuy Synthes/Rensselaer Polytechnic Institute

4:29 pm – 4:35 pm Discussion

4:35 pm – 4:39 pm 62 - Clinical Outcomes of Ulnar Collateral Ligament Surgery in Non-throwing Athletes

Zachary Pharr, MD, University of Tennessee-Campbell Clinic

4:39 pm – 4:43 pm	30 - The Bovie Bounty: A Search for William T. Bovie's Middle Name <i>Michael G. Rizzo, MD, University Of Miami Hospital</i>
4:43 pm – 4:47 pm	12 - Outcomes of Arthroscopic Shoulder Stabilization at the United States Naval Academy: 5-Year Follow-Up <i>Bobby G. Yow, MD, Walter Reed National Military Medical Center</i>
4:47 pm – 4:51 pm	127 - Risk Factors for Inpatient Hospitalization after Hip Arthroscopy <i>Priyanka K. Mathur, BS, Northwestern University</i>
4:51 pm – 4:55 pm	3 - Beach Chair vs. Lateral Decubitus Positioning for Primary Arthroscopic Anterior Shoulder Stabilization: A Consecutive Series of 641 Shoulders <i>Bobby G. Yow, MD, Walter Reed National Military Medical Center</i>
4:55 pm – 4:59 pm	16 - Sex Hormone Deficiency Associates with Rotator Cuff Repair and Revision after Rotator Cuff Repair <i>Karch M. Smith, BA, University of Utah</i>
4:59 pm – 5:05 pm	Discussion

Rapid Fire Sessions 1B – Total Joint

Moderators:

4:05 pm – 4:09 pm	104 - Comparison of Infection Rates in Outpatient Total Hip Arthroplasty <i>Adam M. Gordon, BS, Maimonides Medical Center</i>
4:09 pm – 4:13 pm	44 - Pannus Sign: Radiographically Predict Postoperative Complications in Anterior Total Hip Arthroplasty <i>Atul Saini, DO, Community Memorial Hospital</i>
4:13 pm – 4:17 pm	38 - Serum ESR and CRP are not reliable markers for screening/diagnosing PJI <i>Alisina Shahi, MD, PhD, Cooper University Hospital</i>
4:17 pm – 4:21 pm	58 - Accuracy Assessment of a Preoperative Prediction Tool for Discharge to Acute Rehabilitation After Total Joint Arthroplasty <i>Sagie Haziza, University of Miami Hospital</i>
4:21 pm – 4:25 pm	131 - Evaluation of Metaphyseal Sleeves for Fixation with Distal Femoral Replacements

Zachary Hanson, MD, Atlanta Medical Center

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| 4:25 pm – 4:29 pm | 95 - The Role of Cryoneurolysis in Reducing Opioid use in Total Knee Arthroplasty
<i>Brandon E. Lung, MD, University of California, Irvine</i> |
| 4:29 pm – 4:35 pm | Discussion |
| 4:35 pm – 4:39 pm | 125 - Short-Term Outcomes Following Elective Total Knee Arthroplasty in Nonagenarians
<i>Joshua P. Weissman, MD, Northwestern University</i> |
| 4:39 pm – 4:43 pm | 40 - Synovial Fluid Absolute Neutrophil Count a Promising Marker for Diagnosing Periprosthetic Joint Infection
<i>Alisina Shahi, MD, PhD, Cooper University Hospital</i> |
| 4:43 pm – 4:47 pm | 36 - The Role of Leukocyte Esterase Test in Culture Negative Periprosthetic Joint Infections
<i>Alisina Shahi, MD, PhD, Cooper University Hospital</i> |
| 4:47 pm – 4:51 pm | 123 - Evaluating Risk Factors for Complications after Hip Arthroplasty
<i>Shivan N. Chokshi, University of Texas Medical Branch</i> |
| 4:51 pm – 4:55 pm | 113 - Association of Cannabis Use and Perioperative Complications Following Total Knee Arthroplasty
<i>Miriam Weisberg, MD, Maimonides Medical Center</i> |
| 4:55 pm – 4:59 pm | 99 - Outcomes of Octogenarian Patients Undergoing Primary TKA
<i>Adam M. Gordon, BS, Maimonides Medical Center</i> |
| 4:59 pm – 5:05 pm | Discussion |

Rapid Fire Sessions 1C – Hand/Upper Extremity

Moderators:

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| 4:05 pm – 4:09 pm | 6 - Risk Factors for Distal Radius Osteotomy Non-Union
<i>Desraj M. Clark, MD, Walter Reed National Military Medical Center</i> |
| 4:09 pm – 4:13 pm | 7 - Bone Morphogenic Protein 2 for the Surgical Treatment of Scaphoid Fractures
<i>Desraj M. Clark, MD, Walter Reed National Military Medical Center</i> |

4:13 pm – 4:17 pm	116 - The Role of Dynamic Ulnar Variance in TFCC Debridement Outcomes <i>Ather A. Mirza, MD, Mirza Orthopedics</i>
4:17 pm – 4:21 pm	138 - Effect of Early Mobilization Rehabilitation on Outcomes after Reverse Shoulder Arthroplasty <i>Alessia C. Lavin, BS, Cleveland Clinic Florida</i>
4:21 pm – 4:25 pm	103 - Scapholunate Interosseous Ligament Complex Complete Tear Is Associated With Injury to Secondary Wrist Stabilizers <i>Emil S. Vutescu, MD, Brown Orthopedic Surgery</i>
4:25 pm – 4:29 pm	4 - Progression to Glenohumeral Arthritis after Arthroscopic Posterior Stabilization in a Young and High Demand Population <i>Bobby G. Yow, MD, Walter Reed National Military Medical Center</i>
4:29 pm – 4:35 pm	Discussion
4:35 pm – 4:39 pm	129 - Short-Term Outcomes after Rotator Cuff Repair in the Elderly Population <i>Scott A. Wu, BS, Northwestern University</i>
4:39 pm – 4:43 pm	26 - Intrinsic Tendon Regeneration Following Application of Purified Exosome Product <i>Elizabeth P. Wellings, MD, Meng, Mayo Clinic</i>
4:43 pm – 4:47 pm	140 - Failure of Liposomal Bupivacaine in Managing Pain Following Shoulder Surgery <i>Joel Grunhut, BA, Cleveland Clinic Florida</i>
4:47 pm – 4:51 pm	20 - Reoperations following Primary Latarjet: Timing and Associated Risk Factors <i>Suresh K. Nayar, MD, Johns Hopkins University</i>
4:51 pm – 4:55 pm	111 - Risk Factors for Peri-Prosthetic Joint Infections Following Primary Total Shoulder Arthroplasty <i>Rushabh M. Vakharia, MD, Maimonides Medical Center</i>
4:55 pm – 4:59 pm	144 - Pain Associated with Buffered vs. Unbuffered Injections in the Hand: A Randomized, Controlled Trial <i>Sebastian Orman, MD, Brown University</i>
4:59 pm – 5:05 pm	Discussion

Friday, November 5th

6:30 am – 7:00 am **Multimedia Education Session**

7:00 am – 7:10 am **Announcements**
William C. Warner Jr., MD, Campbell Clinic

Symposium 5 – Sports Upper Extremity

Moderator: James A. Slough MD, *Excelsior Orthopaedics*

7:10 am – 7:30 am Reverse Total Shoulder vs Superior Capsular Reconstruction
Kaveh R. Sajadi, MD, Lexington, KY

7:30 am – 7:50 am Biceps Tendon Fix It, Move It, or Lose It
Eric N. Bowman, MD

, Vanderbilt University Medical Center,

7:50 am – 8:10 am Tommy John's Repair with Internal Brace
E. Lyle Cain Jr., MD, Andrews Sports Medicine and Orthopaedic Center

8:10 am – 8:30 am Case Presentations and Discussion

8:30 am – 9:00 am **Industry Breakfast Presentation**
**CME Credit Not Available*

General Session 3 – Abstract Papers

Moderator: William C. Warner Jr., MD, *Campbell Clinic*

9:00 am – 9:06 am 124 - QT vs. BPTB Autograft for ACLR: Outcomes in Young Athletes
Nathan P. Fackler, MS, Georgetown University School of Medicine

9:06 am – 9:12 am 139 - Efficacy of Liposomal Bupivacaine in Opioid Consumption after Rotator Cuff Repair
Alessia C. Lavin, BS, Cleveland Clinic Florida

9:12 am – 9:18 am 141 - Rotator Cuff Repair vs. Reverse Shoulder Arthroplasty for Massive Tears
Andres Guerrero, MD, Cleveland Clinic Florida

9:18 am – 9:24 am 76 - Long-Leg vs. Short-Leg Casts for Displaced Distal Tibial Physeal Fractures
Ainsley Bloomer, BS, BA, Central Texas Pediatric Orthopaedics

9:24 am – 9:30 am 33 - Relationship Between Nutrition and Adverse Outcomes in Orthopedic Trauma Patients
Katherine J. Jensen, MChE, MPH, University of Texas Health Science Center San Antonio/Long School of Medicine

9:30 am – 9:35 am Discussion

9:35 am – 9:55 am ***BREAK—Please visit Exhibits***

Symposium 6 - Hand

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

9:55 am – 10:15 am Congenital Hand Update
Benjamin Mauck, MD, Campbell Clinic

10:15 am – 10:35 am Perilunate Injury
Norfleet Thompson, MD, Campbell Clinic

10:35 am – 10:55 am Hand Fractures Update
Jeffrey Kutsikovich, MD, Franklin, TN

10:55 am – 11:05 am Case Presentations and Discussion

11:05 am – 11:25 am ***BREAK—Please visit Exhibits***

General Session 4 – Presidential Guest Speaker

Moderator: J. Randall Riehl, MD, *Decatur Orthopaedic Clinic*

11:25 am – 12:05 pm Lessons Learned from 20 Years on the Sidelines
E. Lyle Cain Jr., MD, Andrews Sports Medicine and Orthopaedic Center

12:05 pm – 1:05 pm **Focused Lunch Presentation and Dessert Break with Exhibitors**

General Session 5 – Giving Back in Orthopaedics

Moderator: William C. Warner Jr., MD, *Campbell Clinic*

1:05 pm – 1:25 pm Forrest Spence Fund
David Spence, MD, Campbell Clinic

1:25 pm – 1:45 pm Moore Surgery Center
Kenneth L. Moore, MD, Franklin, TN

1:45 pm – 1:50 pm	Introduction of Dr. and Mrs. J. Elmer Nix Award Recipient <i>J. Randall Riehl, MD, Decatur Orthopaedic Clinic</i>
1:50 pm – 2:20 pm	Dr. and Mrs. J. Elmer Nix Presentation and Lecture My Journey in Volunteerism <i>John F. Lovejoy Jr., MD, Jacksonville, FL</i>
2:20 pm – 2:40 pm	Clinical Orthopedic Society – Past and Present <i>Raoul Rodriguez, MD, Tulane University School of Medicine</i>
2:40 pm - 3:00pm	<i>BREAK—Please visit Exhibits</i>

Symposium 7 – Foot and Ankle

Moderator: Ramon F. Rodriguez, MD, *Tulane University School of Medicine*

3:00 pm – 3:20 pm	Percutaneous Achilles Repair <i>Justin L. Daigre, MD, Decatur Orthopaedic</i>
3:20 pm – 3:40 pm	New Options in Hallux Rigidus <i>Robert Santrock MD, West Virginia University Hospital</i>
3:40 pm – 4:00 pm	Live Patient Presentation Total Ankle Arthroplasty <i>Gregory Berlet, MD, Orthopedic Foot & Ankle Center</i>
4:00 pm – 4:10 pm	Case Presentations and Discussion

Rapid Fire Sessions 2A – Spine/Tumor

Moderators:

4:15 pm – 4:19 pm	27 - Three-Column Fractures in the Ankylosed Spine: Systemic Approach to Imaging <i>Elizabeth P. Wellings, MD, Meng, Mayo Clinic</i>
4:19 pm – 4:23 pm	24 - The Majority of Blood Loss in Adolescent Idiopathic Scoliosis Surgery Happens After Surgery <i>Joshua M. Kolz, MD, MS, Mayo Clinic</i>
4:23 pm – 4:27 pm	97 - Increasing Spinal Height in EOS: Comparing MCGR vs TGR <i>Jessa Fogel, BA, Vanderbilt University Medical Center</i>
4:27 pm – 4:31 pm	146 - Microdecompression is a Viable Treatment for Spinal Stenosis with Spondylolisthesis <i>Youjeong Kim, MD, Golden Gate Spine</i>
4:31 pm – 4:35 pm	106 - Does Gender Impact Outcomes Following Lumbar Fusion

Adam M. Gordon, BS, Maimonides Medical Center

4:35 pm – 4:40 pm	Discussion
4:40 pm – 4:44 pm	126 - A Retrospective Study Examining the Efficacy of Landmark Guided Corticosteroid Injections for Treatment of Sacroiliac Joint Pain <i>Claudia Bale, BA, Virginia Commonwealth University School of Medicine</i>
4:44 pm – 4:48 pm	65 - Influence of Anatomic Location of Conventional Chondrosarcoma on Presentation and Overall Survival <i>Jeffrey Brown, BS, University of Miami Miller School of Medicine</i>
4:48 pm – 4:52 pm	85 - Premenopausal Effects on Presentation, Treatment, and Survival of Women with Liposarcoma <i>Gabriel Hanna, MD, Rutgers New Jersey Medical School</i>
4:52 pm – 4:56 pm	80 - Synovial Sarcoma of the Extremities in Pediatrics: a Population-Based Study of Second Primary Neoplasms <i>Gabriel Hanna, MD, Rutgers New Jersey Medical School</i>
4:56 pm – 5:00 pm	84 - Rhabdomyosarcoma of the Extremities in Pediatrics: a Population-Based Study of Secondary Primary Neoplasms <i>Gabriel Hanna, MD, Rutgers New Jersey Medical School</i>
5:00 pm – 5:05 pm	Discussion

Rapid Fire Sessions 2B – Pediatrics/Foot

Moderators:

4:15 pm – 4:19 pm	31 - End-Stage Tibiotalar Osteoarthritis and Chronic Strontium Toxicity <i>Gianni Ricci, DO, The Hughston Clinic</i>
4:19 pm – 4:23 pm	89 - Risk Factors Associated with Chronic Pain after Amputation <i>Daniel Hayward, Texas Tech University Health Sciences Center</i>
4:23 pm – 4:27 pm	147 - Distraction Subtalar Arthrodesis for Painful Subtalar Arthritis <i>Hunter Williams, MD, Tulane Orthopaedics</i>
4:27 pm – 4:31 pm	94 - Multifocal Percutaneous Pin Fixation: An Alternative for Talar Neck Fractures <i>Garrhett G. Via, MD, Wright State University</i>

4:31 pm – 4:35 pm	46 - Teenage Clavicle Fractures: The Demographics, Fracture Patterns, Modes of Injury, and Refracture Rates <i>Kevin Bondar, BA, University of Miami Miller School of Medicine</i>
4:35 pm – 4:40 pm	Discussion
4:40 pm – 4:44 pm	49 - Do Pediatric ATV Open Fractures Have More Complications? <i>Henry V. Bonner, BS, University of Alabama at Birmingham</i>
4:44 pm – 4:48 pm	59 - Surgical Applications of Sural Nerve Variability Using Magnetic Resonance Imaging <i>Claudio B. Ghetti, BA, University of California, San Diego</i>
4:48 pm – 4:52 pm	60 - Surgical Applications of Lateral Dorsal Cutaneous Nerve Variability Using MRI <i>Claudio B. Ghetti, BA, University of California, San Diego</i>
4:52 pm – 4:56 pm	112 - Association of Depressive Disorders Following Open Reduction and Internal Fixation for Isolated Bimalleolar Ankle Fractures <i>Aaron Lam, MD, Maimonides Medical Center</i>
4:56 pm – 5:00 pm	55 - Evaluating YouTube as a Resource for Patient Information on Ankle Arthroplasty <i>Davis A. Hartnett, BS, Warren Alpert Medical School of Brown University</i>
5:00 pm – 5:05 pm	Discussion

**Rapid Fire Sessions 2C – Trauma/General
Moderators:**

4:15 pm – 4:19 pm	61 - Is the Osseous Healing Rate Decreased by NSAIDs? A Multicenter Retrospective Study <i>John E. Whitaker, BS, University of Louisville</i>
4:19 pm – 4:23 pm	101 - Risk Factors for Infections Following Isolated Bimalleolar Ankle Fractures <i>Adam M. Gordon, BS, Maimonides Medical Center</i>
4:23 pm – 4:27 pm	39 - What is the Incidence of in Hospital Mortality After Hip Fracture? Does Treatment Options Matter? <i>Alisina Shahi, MD, PhD, Cooper University Hospital</i>
4:27 pm – 4:31 pm	119 - Coaptation Splints and Shoulder Immobilizers: Equivocal Outcomes for Diaphyseal Humerus Fractures

Rachel L. Honig, MD, Mayo Clinic

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| 4:31 pm – 4:35 pm | 52 - Preliminary Outcomes of The Femoral Neck System
<i>Rachel L. Honig, MD, Mayo Clinic</i> |
| 4:35 pm – 4:40 pm | Discussion |
| 4:40 pm – 4:44 pm | 48 - Biomechanical Comparison of Four Transsacral Fixation Constructs in a Type 61C, Zone II Pelvic Fracture Model
<i>Hallie Bradley, MD, University of Texas Southwestern</i> |
| 4:44 pm – 4:48 pm | 54 - Emergency Fracture and Dislocation Care Timing during the COVID-19 Pandemic
<i>Christopher Pinkowski, MD, Cleveland Clinic Akron General</i> |
| 4:48 pm – 4:52 pm | 10 - Barbed Femoral Nailing System for Isolated Intertrochanteric Femur Fractures
<i>Benjamin W. Hoyt, MD, Walter Reed National Military Medical Center</i> |
| 4:52 pm – 4:56 pm | 11 - Barbed Femoral Nailing System for Isolated Femoral Neck Fractures
<i>Benjamin W. Hoyt, MD, Walter Reed National Military Medical Center</i> |
| 4:56 pm – 5:00 pm | 118 - Are Non-Metal Constructs Strong Enough for Anterior Glenoid Bony Augmentation?
<i>Brent A. Ponce, MD, Hughston Clinic</i> |
| 5:00 pm – 5:05 pm | Discussion |

Saturday, November 6th

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|-------------------|---|
| 6:30 am – 8:00 am | Multimedia Education Session |
| 7:30 am – 7:40 am | Announcements
<i>William C. Warner Jr., MD, Campbell Clinic</i> |

General Session 6 – Resident Paper Presentations

Moderator: William C. Warner Jr., MD, *Campbell Clinic*

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| 7:40 am – 7:46 am | 91 - Trends in Total Ankle Arthroplasty and Fusion for Tibiotalar Osteoarthritis
<i>Adam M. Gordon, BS, Maimonides Medical Center</i> |
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7:46 am – 7:52 am	17 - A RCT between Mobile Bearing and Fixed Bearing Navigated UKA <i>Rajesh Malhotra, MBBS, MS, FRCS, FACS, FICS, FIMSA, FAMS, FNASc, All India Institute of Medical Sciences</i>
7:52 am – 7:58 am	56 - Patients' Perception of Technology: An Update of Patients' Understanding of Robotics and Navigation in Total Joint Arthroplasty <i>Sagie Haziza, University of Miami Hospital</i>
7:58 am – 8:04 am	37 - Risk Factors for Arthrofibrosis after Primary and Revision Total Knee Arthroplasty: A Multicenter Study <i>Alisina Shahi, MD, PhD, Cooper University Hospital</i>
8:04 am – 8:10 am	Discussion
8:10 am – 8:16 am	90 - Effect of Antibiotic Cement Use in Total Knee Arthroplasty Infections <i>Nicholas L. Kolodychuk, MD, Cleveland Clinic Akron General Medical Center</i>
8:16 am – 8:22 am	25 - Robotic-Assisted CR vs. PS Total Knee Arthroplasty: An Analysis of Patient Reported Outcomes <i>Jarod A. Richards, MD, University of Louisville</i>
8:22 am – 8:28 am	64 - Impact of Early Fascia Iliaca Blocks in Hip Fracture Patients <i>Nicholas L. Kolodychuk, MD, Cleveland Clinic Akron General Medical Center</i>
8:28 am – 8:34 am	67 - Elbow Flexion at Ball Release: Risk Factor for Elbow Injury <i>Jacob Zeitlin, Weill Cornell Medical College</i>
8:34 am – 8:40 am	Discussion
8:40 am – 9:10 am	Focused Breakfast Presentation - Flexion/Zilretta

Symposium 8 – Hip

Moderator: George W. Brindley, MD, *Texas Tech Physicians Ortho*

9:10 am – 9:30 am	Anterior THA Tips and Tricks <i>Christopher T. Parks, MD, The Orthopaedic Center</i>
9:30 am – 9:50 am	Posterior Hip Arthroplasty Revisited <i>James E. Keeney, MD, Missouri Orthopaedic Institute</i>
9:50 am – 10:10 am	Hip Resurfacing, Is it Still Indicated and Indications

Marcus Ford, MD, Campbell Clinic

10:10 am – 10:20 am Case Presentations and Discussion

10:20 am – 10:30 am ***REFRESHMENT BREAK***

Symposium 9 – Pediatrics

Moderator: William C. Warner Jr., MD, *Campbell Clinic*

10:30 am – 10:50 am Pediatric Musculoskeletal Infections Update
Benjamin Sheffer, MD, Campbell Clinic

10:50 am – 11:10 am Pediatric Fractures – Trouble Fractures
William C. Warner Jr., MD, Campbell Clinic

11:10 am – 11:30 am Back Pain IN Children
Jeffrey Martus, MD, Vanderbilt University Medical Center

11:30 am – 11:40 am Case Presentation and Discussion

11:40 am – 11:50 am **Award Presentation**

General Session 7 – Presidential Address

11:50 am – 12:20 pm Make a Difference
J. Randall Riehl, MD, Decatur Orthopaedic Clinic

12:20 pm – 12:35 pm **Clinical Orthopaedic Society Annual Membership & Business Meeting**

12:00 pm – 4:00 pm OITE review