



NOVEMBER 11-14, 2021

**AAHKS**  
ANNUAL MEETING

PEER REVIEWED. PEERLESS INSIGHTS.

# 2021 AAHKS ANNUAL MEETING SCHEDULE

## THURSDAY SCHEDULE

NOVEMBER 11, 2021

6:30 a.m. - 6:00 p.m.	<b>ATTENDEE Registration</b>	Peacock Foyer
8:00 a.m. - 6:00 p.m.	<b>EXHIBITOR Registration</b>	Geppetto's Foyer
7:00 a.m. - 1:00 p.m.	<b>Resident Lab Course</b> <i>Thank you to our sponsors: Depuy Synthes, DJO Global, Smith &amp; Nephew, Stryker, and Zimmer Biomet</i>	Chantilly Ballroom West <i>Pre-Registration Required</i>
7:00 a.m. - 1:00 p.m.	<b>Resident Cement Course</b> <i>Thank you to our sponsor: Heraeus</i>	Chantilly Ballroom East <i>Pre-Registration Required</i>
10:00 a.m. - 5:00 p.m.	<b>Exhibit Setup</b>	Learning Center/Exhibit Hall
12:30 p.m. - 7:00 p.m.	<i>Industry Symposia are separate from the official program planned by the AAHKS Annual Meeting Program Committee and <b>DO NOT</b> offer AMA PRA Category 1 Credit™, unless noted by the sponsor. Please see the next page for THURSDAY Industry Symposia times and topics!</i>	
2:15 p.m. - 4:15 p.m.	<b>Techniques of Total Joint Arthroplasty</b> <i>Thank you to our sponsor: DePuy Synthes</i>	Emerald Room
4:00 p.m. - 5:30 p.m.	<b>Young Arthroplasty Group (YAG) Panel Discussion &amp; Reception</b> <i>Sponsored by a generous educational grant from Stryker</i>	<i>Invitation Only</i>
5:00 p.m. - 7:00 p.m.	<b>AAHKS Board of Directors Meeting</b>	<i>Invitation Only</i>
7:00 p.m. - 7:15 p.m.	<b>FARE Board of Directors Meeting</b>	<i>Invitation Only</i>

## THURSDAY INDUSTRY SYMPOSIA SCHEDULE

12:30 p.m. - 2:30 p.m.	<b>Utilizing Cooled Radiofrequency Ablation for Hip &amp; Knee OA, Avascular Necrosis and Other Conditions</b> <i>Avanos Medical</i>	Coronado Ballroom C
12:30 p.m. - 2:30 p.m.	<b>Your Work Isn't Over: Addressing the Incision</b> <i>Smith &amp; Nephew</i>	Coronado Ballroom A
12:30 p.m. - 2:30 p.m.	<b>Enabling Approaches and Technology for Outpatient Total Joints</b> <i>Medtronic</i>	Coronado Ballroom B
12:30 p.m. - 2:30 p.m.	<b>A Once-Daily Intravenous Non-Opioid Option for Moderate to Severe Pain in Adults</b> <i>Baudax Bio</i>	Coronado Ballroom D
3:00 p.m. - 5:00 p.m.	<b>The Next Chapter in Robotics for TKA</b> <i>DePuy Synthes</i>	Governors Hall
3:00 p.m. - 5:00 p.m.	<b>Making the Anterior Approach More Approachable</b> <i>Microport</i>	Coronado Ballroom D
3:00 p.m. - 5:00 p.m.	<b>Advancing the Standard of Care: New RCT Data Demonstrates Decreased 90-Day Complication</b> <i>3M Surgical</i>	Coronado Ballroom C
3:00 p.m. - 5:00 p.m.	<b>Practical Application of the Hip-Spine Relationship in Modern Total Hip Arthroplasty</b> <i>Intellijoint</i>	Coronado Ballroom A
4:00 p.m. - 6:00 p.m.	<b>Zimmer Biomet ROSA Experience</b> <i>Zimmer Biomet</i>	Cortez Ballroom
5:30 p.m. - 7:30 p.m.	<b>Respect the Joint Line: Addressing the 20%</b> <i>MicroPort</i>	Coronado Ballroom D
5:30 p.m. - 7:30 p.m.	<b>Postoperative Wound Management and Infection Prevention Protocols – A Case Based Discussion</b> <i>ConvaTec</i>	Coronado Ballroom B
<i>Available through the day, by appointment.</i>	<b>VR Café – A Virtual Reality Experience</b> <i>Zimmer Biomet</i>	Chantilly Foyer

6:00 a.m. - 7:00 p.m.	<b>ATTENDEE Registration</b>	Peacock Foyer
6:00 a.m. - 7:00 p.m.	<b>EXHIBITOR Registration</b>	Geppetto's Foyer
6:00 a.m.	<b>AAHKS Virtual Poster Exhibition Opens</b>	Online Only
6:30 a.m. - 2:45 p.m. <i>Please note: Breakfast will be provided at 6:30 a.m.</i>	<b>AAHKS Resident Arthroplasty Course</b> <b>Chair:</b> Michael J. Taunton, MD <b>Co-Chair:</b> Scott M. Sporer, MD, MS <i>Thank you to our sponsors:</i> <i>DePuy Synthes, Smith &amp; Nephew, Stryker, and Zimmer Biomet</i>	Grand Ballroom <i>Pre-Registration Required</i>
6:30 a.m. - 2:45 p.m. <i>Please note: Breakfast will be provided at 6:30 a.m.</i>	<b>AAHKS Orthopaedic Team Member Course</b> <b>Chair:</b> Denis Nam, MD, MSc <b>Co-Chair:</b> Christin A. Van Dine, PA-C	Cortez Ballroom <i>Pre-Registration Required</i>
6:30 a.m. - 2:30 p.m. <i>Please note: Breakfast will be provided at 6:30 a.m.</i>	<b>AAHKS Business of Total Joint Replacement Course</b> <b>Co-Chairs:</b> C. Lowry Barnes, MD; Michael P. Bolognesi, MD; Craig J. Della Valle, MD	Wedgwood Ballroom <i>Pre-Registration Required</i>
7:00 a.m. - 8:30 a.m.	<b>Breakfast for All Attendees</b>	Learning Center/Exhibit Hall
7:00 a.m. - 2:55 p.m.	<b>Learning Center/Exhibit Hall Open</b>	Learning Center/Exhibit Hall
7:30 a.m. - 2:00 p.m.	<i>Industry Symposia are separate from the official program planned by the AAHKS Annual Meeting Program Committee and <b>DO NOT</b> offer AMA PRA Category 1 Credit™, unless noted by the sponsor.</i> <i>Please see the next page for FRIDAY Industry Symposia times and topics!</i>	
10:00 a.m. - 2:30 p.m.	<b>NEW! AAHKS Research Course</b> <b>Co-Chairs:</b> Ran Schwarzkopf, MD, MSc; Bryan D. Springer, MD	Chantilly Ballroom West <i>Pre-Registration Required</i>
11:00 a.m. - 1:00 p.m.	<b>Lunch for All Attendees</b>	Learning Center/Exhibit Hall

## FRIDAY INDUSTRY SYMPOSIA SCHEDULE

7:30 a.m. - 9:30 a.m.	<b>Calipered Kinematic Alignment: Personalization as the New Standard in TKA</b> <i>Medacta</i>	Coronado Ballroom B
7:30 a.m. - 9:30 a.m.	<b>VELYS™ Hip Navigation: A New Era</b> <i>DePuy Synthes</i>	Coronado Ballroom C
7:30 a.m. - 9:30 a.m.	<b>Wound Management in Total Joint Arthroplasty: How to Prevent the Most Common Cause of Readmission</b> <i>DePuy Synthes</i>	Coronado Ballroom D
7:30 a.m. - 9:30 a.m.	<b>The Future of Postoperative Pain Management in Orthopaedics</b> <i>Heron Therapeutics</i>	Coronado Ballroom A
7:30 a.m. - 8:30 a.m.	<b>Introducing Persona IQ: The First and Only Smart Knee Implant</b> <i>Zimmer Biomet</i>	Chantilly Ballroom East
8:30 a.m. - 10:30 a.m.	<b>Revision Knee Arthroplasty – As Easy as 1, 2, 3</b> <i>Zimmer Biomet</i>	Chantilly Ballroom East
10:00 a.m. - 12:00 p.m.	<b>Elevating Patient Outcomes with DePuy Synthes Knee Solutions</b> <i>DePuy Synthes</i>	Coronado Ballroom C
10:00 a.m. - 12:00 p.m.	<b>Functional Positioning in THA and TKA: Does It Matter?</b> <i>Stryker</i>	Governors Hall
10:00 a.m. - 12:00 p.m.	<b>Evolution of Conforming TKA: Pivoting in the Right Direction</b> <i>DJO Global</i>	Coronado Ballroom B
10:00 a.m. - 12:00 p.m.	<b>Comprehensive Cementing for the Modern Practice</b> <i>Heraeus</i>	Coronado Ballroom A
10:00 a.m. - 12:00 p.m.	<b>Optimizing the Total Episode of Care in the ASC</b> <i>Zimmer Biomet</i>	Emerald Room
11:30 a.m. - 12:30 p.m.	<b>Introducing Persona IQ: The First and Only Smart Knee Implant</b> <i>Zimmer Biomet</i>	Chantilly Ballroom East
12:00 p.m. - 2:00 p.m.	<b>Total Joints in the ASC – A Recipe for Success</b> <i>Avanos/Smith &amp; Nephew</i>	Senators Hall
12:30 p.m. - 2:30 p.m.	<b>Revision Knee Arthroplasty – As Easy as 1, 2, 3</b> <i>Zimmer Biomet</i>	Chantilly Ballroom East
Available through the day, by appointment.	<b>VR Café – A Virtual Reality Experience</b> <i>Zimmer Biomet</i>	Chantilly Foyer

12:45 p.m. - 2:00 p.m. **Ask the Experts Case Sessions**

Coronado Ballroom

<b>Primary Hip</b> <i>Coronado Ballroom D</i>	<b>Primary Knee</b> <i>Coronado Ballroom B</i>
<b>Moderator:</b> Douglas E. Padgett, MD <b>Faculty:</b> William A. Jiranek, MD; Robert L. Barrack, MD; Carlos J. Lavernia, MD; Mary I. O'Connor, MD	<b>Moderator:</b> Seth A. Jerabek, MD <b>Faculty:</b> Tad P. Vail, MD; Catherine W. Cahill, MD; Wolfgang Fitz, MD; Jay R. Lieberman, MD
<b>Revision Hip</b> <i>Coronado Ballroom C</i>	<b>Revision Knee</b> <i>Coronado Ballroom A</i>
<b>Moderator:</b> Carlos A. Higuera, MD <b>Faculty:</b> Jeffrey A. Geller, MD; Robert S. Sterling, MD; Arthur L. Malkani, MD; Thomas L. Bradbury, MD	<b>Moderator:</b> Charles L. Nelson, MD <b>Faculty:</b> Erik N. Hansen, MD; Henry D. Clarke, MD; Adam A. Sassoon, MD, MS; Ayesha Abdeen, MD

2:30 p.m. - 2:50 p.m.

**Break**

Learning Center/Exhibit Hall

2:50 p.m. - 3:00 p.m.

**President's Welcome to the 2021 AAHKS Annual Meeting**  
*Richard Iorio, MD*

Trinity Ballroom

3:00 p.m. - 3:10 p.m.

**AAHKS Tribute to Lawrence D. Dorr, MD**

Trinity Ballroom

3:10 p.m. - 6:40 p.m.

**AAHKS General Session**

Trinity Ballroom

3:10 p.m. - 4:10 p.m.

**Symposium I**Optimizing the Outpatient Hip and Knee Arthroplasty Pathway:  
From Practical Protocols to Optimal Outcomes1) **Introduction – Moderator**

2) Data Supporting Outpatient TJA

3) Outpatient TJA at the Hospital: How and Why

4) Optimized Protocols Are Critical to Success: Anesthesia,  
Patient Selection and Surgical Considerations5) Joint Surgeons in the ASC: Business and Legal Principles  
We All Need to Know

6) Discussion

**Michael P. Ast, MD**

Craig J. Della Valle, MD

William A. Jiranek, MD

Raymond H. Kim, MD

Michael P. Ast, MD

4:10 p.m. - 5:18 p.m.

**Session One: Patient Outcomes After Total Joint Arthroplasty****Moderators:** Brett R. Levine, MD, MS and Adolph V. Lombardi Jr., MD

4:10 p.m.

**Paper #1** | Is a Same-Day Discharge Arthroplasty Program  
Necessary? A Propensity-Matched Cohort Study**Roy I. Davidovitch, MD**

New York, New York

4:16 p.m.

**Paper #2** | Unicompartmental Arthroplasty: Efficacy and  
Safety of Same Day Discharge in the Elderly Population**Matthew Sloan, MD, MS**

Boston, Massachusetts

4:22 p.m.	<b>Paper #3</b>   Preoperative Patient Reported Outcome Reporting May Be Unreliable Among Multiple Settings	<b>Daniel C. Sun, MD</b> Boston, Massachusetts
4:28 p.m.	<b>Paper #4</b>   The Impact of Surgeon Variability on Patient-Reported Outcomes in Total Hip Arthroplasty	<b>Carlos A. Higuera, MD</b> Weston, Florida
4:34 p.m.	<b>Discussion</b>	
4:44 p.m.	<b>Paper #5</b>   Predictors of Success with Chronic Antibiotic Suppression for Prosthetic Joint Infections	<b>Rebecca G. Burr, MD</b> Maywood, Illinois
4:50 p.m.	<b>Paper #6</b>   What Dose of Preoperative Opioids Affects Outcomes After Total Hip Arthroplasty?	<b>E. Bailey Terhune, MD</b> Chicago, Illinois
4:56 p.m.	<b>Paper #7</b>   Preoperative PROMIS-29 Fatigue Score Predicts Postoperative Opioid Use After Primary TKA and THA	<b>Eytan M. Debbi, MD, PhD</b> New York, New York
5:02 p.m.	<b>Paper #8</b>   Neocortex Formation in a Tapered Wedge Stem Is Not Indicative of Complications or Worse Outcomes	<b>Christopher E. Pelt, MD</b> Salt Lake City, Utah
5:08 p.m.	<b>Discussion</b>	
5:18 p.m. - 5:25 p.m.	★ <b>Lawrence D. Dorr, MD Humanitarian Award</b> <b>Presented to:</b> John W. Barrington, MD <i>Presented by:</i> Harpal S. Khanuja, MD	Trinity Ballroom
5:25 p.m. - 5:40 p.m.	<b>The Hip Society and The Knee Society Updates</b> C. Anderson Engh, MD, <b>THS President</b> Robert T. Trousdale, MD, <b>TKS President</b>	Trinity Ballroom
5:40 p.m. - 6:40 p.m.	<b>Symposium II</b> The Popular Conversion Total Hip Arthroplasty: How to Attack These Tough Cases  1) <b>Introduction – Moderator</b> 2) Acetabular Fractures: What Should I Do with These Screws and Plates? 3) Prior SCFE, LCP, and Femoral Neck Pinning: What's My Workflow? 4) Intramedullary Nails and Fixed-Angle Plates: Tips and Tricks 5) Hemiarthroplasties and Resurfacings: Conversion THA Pearls 6) Discussion	<b>Matthew P. Abdel, MD</b> Daniel J. Berry, MD  James A. Browne, MD  Douglas E. Padgett, MD Matthew P. Abdel, MD
6:40 p.m. - 8:00 p.m.	<b>Networking Hour</b> <i>Refreshments and light fare will be served.</i>	Learning Center/Exhibit Hall

6:00 a.m. - 6:30 p.m.	<b>ATTENDEE Registration</b>	Peacock Foyer
6:00 a.m. - 2:00 p.m.	<b>EXHIBITOR Registration</b>	Geppetto's Foyer
6:00 a.m. - 7:00 a.m.	<b>AAHKS Committee Meeting Breakfast</b> <i>For AAHKS Committee Members only.</i>	Topaz Room <i>Invitation Only</i>
6:00 a.m. - 7:30 a.m.	<b>Breakfast for All Attendees</b>	Learning Center/Exhibit Hall
6:55 a.m. - 7:00 a.m.	<b>Program Chair's Welcome to the 2021 AAHKS Annual Meeting</b>	Trinity Ballroom Antonia F. Chen, MD, MBA
7:00 a.m. - 4:00 p.m.	<b>Learning Center/Exhibit Hall Open</b>	Learning Center/Exhibit Hall
7:00 a.m. - 6:30 p.m.	<b>AAHKS General Session</b>	Trinity Ballroom
7:00 a.m. - 7:40 a.m.	<b>Session Two: Race and Gender Disparities in Total Joint Arthroplasty</b> <b>Moderators:</b> Michael P. Bolognesi, MD and Audrey K. Tsao, MD	
7:00 a.m.	<b>Paper #9</b>   Lack of Demographic Information in THA/TKA Randomized Controlled Trial Publications	<b>Katelynn M. Donnelly, MS</b> New Orleans, Louisiana
7:06 a.m.	<b>Paper #10</b>   New Patient Referral Patterns May Reflect Gender Biases	<b>Nicholas Bertha, MD</b> Harrisburg, Pennsylvania
7:12 a.m.	<b>Paper #11</b>   Discrepancies in Work-Family Dynamics Between Female and Male Orthopaedic Surgeons	<b>Courtney D. Bell, MD</b> Naples, Florida
7:18 a.m.	<b>Paper #12</b>   Racial Differences in the Imaging Work-Up and Treatment of Knee and Hip Osteoarthritis	<b>Mark Wu, MD</b> Durham, North Carolina
7:24 a.m.	<b>Paper #13</b>   Lower Rates of Ceramic Femoral Head Use in Non-White Patients: A National Registry Study	<b>Adam A. Sassoon, MD, MS</b> Los Angeles, California
7:30 a.m.	<b>Discussion</b>	
7:40 a.m. - 8:40 a.m.	<b>Symposium III</b> Caring for Diverse and High-Risk Patients: Surgeon, Health System, and Patient Integration	
	1) <b>Introduction – Moderator</b>	<b>Kimberly K. Tucker, MD</b>
	2) Treating Diverse Patient Populations: Navigating Racial and Ethnic Differences	Linda I. Suleiman, MD
	3) The Impact of Health Literacy in the Care of Hip and Knee Arthroplasty Patients: Obstacles and Solutions	Anna R. Cohen-Rosenblum, MD
	4) High-Risk Patients in the Setting of Private Practice	Ugo Ihekweazu, MD
	5) The Economics of the High-Risk Patient	James I. Huddleston III, MD
	6) Discussion	



8:40 a.m. - 9:36 a.m.	<b>Session Three: Primary Total Knee Arthroplasty</b> <b>Moderators:</b> Walter B. Beaver, MD and Carlos J. Lavernia, MD	
8:40 a.m.	<b>Paper #14</b>   Can a Reduction in Revision Rates Make Robotic TKA Cost Neutral with Manual TKA in the Long Term?	<b>Geoffrey S. Tompkins, MD</b> Santa Rosa, California
8:46 a.m.	<b>Paper #15</b>   Outcomes Are Better with a Medial-Stabilized vs. a Posterior-Stabilized Total Knee Implant	<b>David F. Scott, MD</b> Spokane, Washington
8:52 a.m.	<b>Paper #16</b>   Head-to-Head Comparison of Kinematic Alignment vs. Mechanical Alignment for TKA	<b>Seth A. Jerabek, MD</b> New York, New York
8:58 a.m.	<b>Discussion</b>	
9:08 a.m.	<b>Paper #17</b>   Motion During Cementing Significantly Decreases Tibial Implant Fixation Strength	<b>J. Ryan Martin, MD</b> Nashville, Tennessee
9:14 a.m.	<b>Paper #18</b>   Is Cement Mantle Thickness a Primary Cause of Aseptic Tibial Loosening Following Primary Total Knee?	<b>Zachary Cox, BS</b> Charlotte, North Carolina
9:20 a.m.	<b>Paper #19</b>   Effects of PCL Resection on Flexion-Extension Gap Balancing During Imageless Robotic-Assisted TKA	<b>Roshan P. Shah, MD</b> New York, New York
9:26 a.m.	<b>Discussion</b>	
9:36 a.m. - 9:54 a.m.	<b>Break</b>	
9:54 a.m. - 10:56 a.m.	<b>Session Four: Primary Total Hip Arthroplasty</b> <b>Moderators:</b> David W. Manning, MD and Ryan M. Nunley, MD	
9:54 a.m.	<b>Paper #20</b>   Hip Precautions Not Required After Posterior Total Hip Arthroplasty: A Prospective Randomized Study	<b>Jared R.H. Foran, MD</b> Denver, Colorado
10:00 a.m.	<b>Paper #21</b>   Demographic Data Reliably Predicts Total Hip Arthroplasty Component Size	<b>Michael Murphy, MD</b> Chicago, Illinois
10:06 a.m.	<b>Paper #22</b>   Can We Predict Fracture When Using a Short Cementless Femoral Stem in the Anterior Approach?	<b>George Grammatopoulos, MD</b> Ottawa, Canada
10:12 a.m.	<b>Paper #23</b>   Femoral Perforation During Anterior Approach Primary Total Hip Arthroplasty: Incidence and Outcomes	<b>William G. Hamilton, MD</b> Alexandria, Virginia
10:18 a.m.	<b>Discussion</b>	
10:28 a.m.	<b>Paper #24</b>   Creation of a Total Hip Arthroplasty Patient-Specific Dislocation Risk Calculator	<b>Cody C. Wyles, MD</b> Rochester, Minnesota



10:34 a.m.	<b>Paper #25</b>   Postoperative Instability and Cup Positioning in Robotic vs. Traditional Total Hip Arthroplasty	<b>Jonathan H. Shaw, MD</b> Detroit, Michigan
10:40 a.m.	<b>Paper #26</b>   How Much Hip Motion Is Used in Real-Life Activities? Assessment of Hip Flexion by a Wearable Sensor	<b>Alexander P. Sah, MD</b> Fremont, California
10:46 a.m.	<b>Discussion</b>	
10:56 a.m. - 11:50 a.m.	<b>Symposium IV</b> The Current State of Practice Patterns of AAHKS Members <b>To Participate: Download the AAHKS Mobile App!</b>	<b>Moderator:</b> Jay R. Lieberman, MD
11:50 a.m. - 11:55 a.m.	<b>AJRR Update</b>	<b>Presented by:</b> Bryan D. Springer, MD
11:55 a.m. - 1:00 p.m.	<b>Lunch for All Attendees</b>	Learning Center/Exhibit Hall
1:00 p.m. - 2:00 p.m.	<b>Keynote Session – Martin Makary, MD</b> <i>Fireside Chat with Dr. Martin Makary on ways to create a more patient-centered, relationship-based healthcare model that bypasses the middlemen to put physicians back in the driver's seat.</i> <b>Takes place in Trinity Ballroom.</b>	
2:00 p.m. - 2:56 p.m.	<b>Session Five: Infection</b> <b>Moderators:</b> Douglas A. Dennis, MD and Adolph J. Yates Jr., MD	
2:00 p.m.	<b>Paper #27</b>   Randomized Controlled Trial of Incisional Negative Pressure Following High-Risk Direct Anterior THA	<b>Herbert J. Cooper, MD</b> New York, New York
2:06 p.m.	<b>Paper #28</b>   COVID-19 Infection After Total Joint Arthroplasty Is Associated with Increased Complications	<b>Enrico M. Forlenza, MD</b> Chicago, Illinois
2:12 p.m.	<b>Paper #29</b>   Is There an Association Between Invasive Dental Procedures and PJI? A Case Cross Over Study	<b>Bryan D. Springer, MD</b> Charlotte, North Carolina
2:18 p.m.	<b>Discussion</b>	
2:28 p.m.	<b>Paper #30</b>   Paradoxical Behavior of Plasma D-Dimer from Explantation to Reimplantation in a Two-Stage Revision	<b>Tejbir S. Pannu, MD</b> Weston, Florida
2:34 p.m.	<b>Paper #31</b>   Higher Risk of AKI in Two-Stage vs. One-Stage Revision for Periprosthetic Joint Infection	<b>Michael M. Valenzuela, BS</b> Charlotte, North Carolina
2:40 p.m.	<b>Paper #32</b>   Extended Oral Antibiotics Increase Bacterial Resistance in Patients Who Fail Two-Stage Exchange	<b>Mick P. Kelly, MD</b> Salt Lake City, Utah
2:46 p.m.	<b>Discussion</b>	

2:56 p.m. - 3:05 p.m.	<p>★ <b>AAHKS Presidential Award</b> Presented to: <b>Jonathan L. Schaffer, MD, MBA</b></p>	<p><b>Presented by:</b> Richard Iorio, MD</p>
3:05 p.m. - 3:14 p.m.	<p>★ <b>FARE Grant Award</b> Presented to <b>Joshua D. Roth, PhD</b> for: <i>Functional Phenotypes of TKA Patients—A Key Step Towards Personalization</i></p>	<p><b>Presented by:</b> Ran Schwarzkopf, MD, MSc</p>
3:14 p.m.	<p>★ <b>James A. Rand Young Investigator's Award</b> Presented to <b>Charles M. Lawrie, MD, MSc</b>, for: <i>Questioning the "Nickel Free" Total Knee Arthroplasty</i></p>	<p><b>Presented by:</b> Rafael J. Sierra, MD and Greg G. Polkowski II, MD, MSc</p>
3:20 p.m.	<b>Discussion</b>	
3:25 p.m.	<p>★ <b>AAHKS Surgical Techniques &amp; Technologies Award</b> Presented to <b>Kevin D. Plancher, MD, MPH</b>, for: <i>Patient Acceptable Symptom State (PASS) in Medial and Lateral Unicompartmental Knee Arthroplasty: Does the Status of the ACL Impact Outcomes?</i></p>	<p><b>Presented by:</b> C. Lowry Barnes, MD</p>
3:31 p.m.	<b>Discussion</b>	
3:36 p.m.	<p>★ <b>AAHKS Clinical Research Award</b> Presented to <b>Abhijit Seetharam, MD</b>, for: <i>Are Minimum 2-Year PROMS Necessary for Accurate Assessment of Patient Outcomes After Primary TKA?</i></p>	<p><b>Presented by:</b> Ran Schwarzkopf, MD, MSc</p>
3:42 p.m.	<b>Discussion</b>	
3:47 p.m. - 4:00 p.m.	<b>Break</b>	Learning Center/Exhibit Hall
4:00 p.m. - 4:45 p.m.	<p><b>Symposium V</b> How Should Antibiotics Be Used in Primary and Revision Hip and Knee Replacement?</p> <ol style="list-style-type: none"> <li>1) <b>Introduction – Moderator</b></li> <li>2) Current Recommendations for Utilizing Prophylactic Antibiotics: What, When &amp; How?</li> <li>3) When and How Should I Use Antibiotic Cement in Primary and Revision Joint Replacement?</li> <li>4) Should I Use Antibiotic Irrigation Solutions and Antibiotic Powder in Primary and Revision Joint Replacement?</li> <li>5) Is There a Role for Extended Postoperative Oral Antibiotics in Primary TJA High-risk Individuals After Surgery for Periprosthetic Joint Infection?</li> <li>6) Discussion</li> </ol>	<p><b>Henry D. Clarke, MD</b> Mark J. Spangehl, MD</p> <p>Joshua S. Bingham, MD</p> <p>Bryan D. Springer, MD</p> <p>Carlos A. Higuera, MD</p>

4:45 p.m. - 5:41 p.m.	<b>Session Six: Factors That Affect Economics in Total Joint Arthroplasty</b> <b>Moderators:</b> Claudette M. Lajam, MD and Jonathan M. Vigdorichik, MD	
4:45 p.m.	<b>Paper #33</b>   The SLIM Study: Economic, Energy, and Waste Savings through Lowering of Instrumentation Mass in THA	<b>Andrew Adamczyk, MD</b> Ottawa, Canada
4:51 p.m.	<b>Paper #34</b>   The Cost-Effectiveness of Intraoperative Imaging in Total Hip Arthroplasty	<b>Gregory Kirchner, MD</b> Hershey, Pennsylvania
4:57 p.m.	<b>Paper #35</b>   Home Healthcare Is Associated with Increased ER Visits, Readmissions, and Costs Following TKA	<b>Robert A. Burnett, MD</b> Chicago, Illinois
5:03 p.m.	<b>Discussion</b>	
5:13 p.m.	<b>Paper #36</b>   Frailty Is Associated with Increased Adverse Events and Costs After Primary Total Hip Arthroplasty	<b>Michael K. Tram, BA</b> Albany, New York
5:19 p.m.	<b>Paper #37</b>   Disagreement in Readmission Rates After Total Hip and Knee Arthroplasty Across Datasets	<b>Ryland Kagan, MD</b> Portland, Oregon
5:25 p.m.	<b>Paper #38</b>   Outcomes Vary Significantly Using a Tiered Approach to Define Success After Total Knee Arthroplasty	<b>Christopher N. Carender, MD</b> Iowa City, Iowa
5:31 p.m.	<b>Discussion</b>	
5:41 p.m. - 6:30 p.m.	<b>Symposium VI</b> The Changing Economic Value and Leverage of Arthroplasty Surgeons	
	1) <b>Introduction – Moderator</b>	<b>Richard Iorio, MD</b>
	2) The National Trend in Arthroplasty Surgery Location and the Economic Impact on Surgeons, Hospitals, and Ambulatory Surgery Centers	Derek A. Haas, MBA
	3) How the Shift in Arthroplasty Surgery Location Impacts the Economic Relationship of Hospital Employed Surgeons and Hospitals	C. Lowry Barnes, MD
	4) How the Shift in Arthroplasty Surgery Location Impacts the Economic Relationship of Private Surgeons, Hospitals and Ambulatory Surgery Centers	Chad A. Krueger, MD
	5) IPO, MIPS, APMS and the RUC Reimbursement and Coding Changes: What Do These Mean to You and Your Practice?	Joseph A. Bosco III, MD
	6) Discussion	
6:30 p.m.	<b>Adjourn</b>	

6:00 a.m. - 10:00 a.m.	<b>Registration</b>	Peacock Foyer
6:00 a.m. - 7:00 a.m.	<b>Breakfast for All Attendees</b>	Trinity Foyer
7:00 a.m. - 7:15 a.m.	<b>AAHKS Business Meeting</b> <i>AAHKS Members only.</i>	Trinity Ballroom
7:15 a.m. - 7:30 a.m.	<b>AAHKS Health Policy Fellow Reports</b> 1. Perioperative Pain Management During the Pandemic 2. From Winners to Losers: The Harsh Reality of Some Bundle Payment Programs 3. AAHKS Recommendations on Outpatient TJA	<b>Justin T. Deen, MD</b> <b>Chad A. Krueger, MD</b> <b>Sharon L. Walton, MD</b>
7:30 a.m. - 12:15 p.m.	<b>AAHKS General Session</b>	Trinity Ballroom
7:30 a.m. - 8:10 a.m.	<b>Session Seven: Total Knee Arthroplasty Complications</b> <b>Moderators:</b> Henry D. Clarke, MD and Mark W. Pagnano, MD	
7:30 a.m.	<b>Paper #39</b>   Perioperative Use of Antifibrotic Medications Associated with Lower Rate of Manipulation After TKA	<b>Ajay Premkumar, MD, MPH</b> New York, New York
7:36 a.m.	<b>Paper #40</b>   Timing of Bariatric Procedures Prior to Total Knee Arthroplasty	<b>Christopher G. Salib, MD</b> Baltimore, Maryland
7:42 a.m.	<b>Paper #41</b>   Intraosseous Morphine Decreases Postoperative Pain and Pain Medication Use in TKA	<b>Kwan J. Park, MD</b> Houston, Texas
7:48 a.m.	<b>Paper #42</b>   Comparison of Silver-Embedded Occlusive Dressings and Negative Pressure Wound Therapy After TJA	<b>William J. Long, MD, FRCSC</b> New York, New York
7:54 a.m.	<b>Paper #43</b>   Cemented Patellar Implant Malposition: A Non-Issue for the Painful TKA	<b>Nathan J. Cherian, BS</b> Columbia, Missouri
8:00 a.m.	<b>Discussion</b>	
8:10 a.m. - 9:05 a.m.	<b>Symposium VII</b> Occupational Hazards to the Joint Replacement Surgeon  1) <b>Introduction – Moderator</b> 2) Radiation Exposure 3) Noxious Exposures: Bovie Smoke, Cement, Noise 4) Repetitive Musculoskeletal Injuries 5) How Can Technology Help Prevent Injury? 6) Discussion	<b>Jonathan M. Vigdorich, MD</b> Jeremy M. Gililland, MD Claudette M. Lajam, MD Antonia F. Chen, MD, MBA Jonathan M. Vigdorich, MD

9:05 a.m. - 10:40 a.m.

**Session Eight: Comorbidities and Total Joint Arthroplasty****Moderators:** Amanda D. Marshall-Rodriguez, MD and Neil P. Sheth, MD

9:05 a.m.

**Paper #44** | Does Low Back Pain Improve Following Total Hip Arthroplasty?**Jonathan M. Vigdorichik, MD**  
New York, New York

9:11 a.m.

**Paper #45** | Patients Who Do Not Receive Aspirin Due to Allergy Have an Increased Risk of Venous Thromboembolism**Graham S. Goh, MD**  
Philadelphia, Pennsylvania

9:17 a.m.

**Paper #46** | Improving Postoperative Acute Kidney Injury Rates Following Primary Total Joint Arthroplasty**Nathan R. Angerett, DO**  
Harrisburg, Pennsylvania

9:23 a.m.

**Discussion**

9:33 a.m.

**Paper #47** | Tranexamic Acid (TXA\*) Decreases the Risk of Complications in TJA Patients with Preoperative Coagulopathy  
*\* TXA has not yet been approved by the FDA for use in orthopaedics.***Yale A. Fillingham, MD**  
Philadelphia, Pennsylvania

9:39 a.m.

**Paper #48** | Geriatric Nutritional Risk Index Predicts Adverse Outcomes for Total Joint Arthroplasty**Christopher J. Fang, MD**  
Boston, Massachusetts

9:45 a.m.

**Paper #49** | Onodera's Prognostic Nutritional Index: A Valuable Measure in Predicting Complications After TKA**Alisina Shahi, MD, PhD**  
Philadelphia, Pennsylvania

9:51 a.m.

**Discussion**

10:01 a.m. - 11:00 a.m.

**Symposium VIII**

The Painful Total Hip Arthroplasty: Looks Good but Feels Bad

1) **Introduction – Moderator**

2) Metal Articulations as a Source of Pain

3) Diagnosis and Treatment of Culture Negative Infection

4) Diagnosis and Detection of Subtle Aseptic Loosening

5) Diagnosis and Treatment of Musculotendinous Deficiencies

6) Discussion

**R. Michael Meneghini, MD**  
Young-Min Kwon, MD, PhD  
Javad Parvizi, MD, FRCS  
Ran Schwarzkopf, MD, MSc  
R. Michael Meneghini, MD

11:00 a.m. - 12:02 p.m.

**Session Nine: Revision Total Joint Arthroplasty****Moderators:** Rina Jain, MD, FRCS and Rafael J. Sierra, MD

11:00 a.m.

**Paper #50** | Extensive Preoperative Work Is Required for Revision Hip and Knee Arthroplasty**Samantha Mohler, MS**  
Little Rock, Arkansas

11:06 a.m.

**Paper #51** | Evaluation of Dietary Markers of Malnutrition and Their Utility to Predict Failure Post-Revision TJA**Alberto V. Carli, MD**  
New York, New York

11:12 a.m.

**Paper #52** | Tourniquet Use Is Associated with Improved Outcomes in Aseptic Revision Total Knee Arthroplasty**Vinay K. Aggarwal**  
New York, New York

11:18 a.m.	<b>Paper #53</b>   Extended Oral Antibiotic Prophylaxis After Aseptic Revision TKA: Does It Decrease Infection Risk?	<b>Brandon R. Bukowski, MD</b> Rochester, Minnesota
11:24 a.m.	<b>Discussion</b>	
11:34 a.m.	<b>Paper #54</b>   High Incidence of Mechanically Assisted Crevice Corrosion at 10-Years in Non-Cemented, Non-Recalled, Contemporary Total Hip Replacement	<b>Brian J. McGrory, MD, MS</b> Portland, Maine
11:40 a.m.	<b>Paper #55</b>   Changing Surgical Approach from Index to Revision THA: No Increased Risk of Dislocation or Revision	<b>Joshua H. Harmer, MD</b> Rochester, Minnesota
11:46 a.m.	<b>Paper #56</b>   Proximal Femoral Replacement Implants for Non-Oncologic Revision Total Hip Arthroplasty	<b>Nathanael D. Heckmann, MD</b> Los Angeles, California
11:52 a.m.	<b>Discussion</b>	
12:02 p.m. - 12:15 p.m.	<b>Concluding Remarks and Adjourn</b>	Richard Iorio, MD



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