

# AAHKS

## 2017 ANNUAL MEETING

November 2-5 | Dallas, Texas

2017

PRELIMINARY  
PROGRAM

# AAHKS

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November 2-5 | Dallas, Texas

### Welcome to AAHKS 2017!

The 2017 AAHKS Annual Meeting will soon be underway, and we wanted to share with you the Preliminary Program so you can make your travel reservations, plan your daily schedule and get a glimpse of our Corporate Partners. As more details become available and presenters are confirmed, they will be added to the schedule on the Annual Meeting website at [www.AAHKS.org/Meeting](http://www.AAHKS.org/Meeting). Be sure to log in now to register and make hotel reservations early!

### Accreditation and CME Credit

For information on CME credits available for the 2017 AAHKS Annual Meeting, visit [www.AAHKS.org/Meeting](http://www.AAHKS.org/Meeting).

### Educational Activity Scope

The 2017 AAHKS Annual Meeting is designed to provide practicing orthopaedic surgeons with research based, state-of-the-art information on diagnosis, surgical and non-surgical treatment options and overall management of hip and knee conditions. This educational activity includes the review of the most current scientific research study findings, faculty and participant discussions and interactive symposia. It covers multiple clinical topics such as primary and revision total hip arthroplasty, primary and revision total knee arthroplasty, non-arthroplasty, infection, complications other than infection as well as health policy. It is aimed at improving overall surgeon competence related to the care of patients with arthritis and degenerative disease.

### Objectives

**Upon completion of this educational activity, participants will be able to:**

- Synthesize the most current research study findings in hip and knee condition management
- Evaluate various surgical and non-surgical treatment options (e.g., primary total joint arthroplasty, revision total joint arthroplasty, non-arthroplasty) in hip and knee condition management
- Assess the efficacy of new treatment options through evidence-based data
- Interpret relevant healthcare policy



# 2017 AAHKS Annual Meeting Preliminary Program

## Wednesday, November 1, 2017

10:00 a.m.–5:00 p.m. **Exhibit Set-Up**

## Thursday, November 2, 2017

6:30 a.m.–8:00 p.m. **Registration**

10:00 a.m.–5:00 p.m. **Exhibit Set-Up**

1:00–5:00 p.m. **Poster Set-Up**

Industry-sponsored events are separate from the official program planned by the AAHKS Annual Meeting Program Committee and **DO NOT** offer *AMA PRA Category 1 Credit(s)*<sup>™</sup>, unless noted otherwise. For the most current schedule, visit [www.AAHKS.org/Meeting](http://www.AAHKS.org/Meeting).

7:30–9:30 a.m. Hip Fracture: Pain Management Impacting Delirium, Morbidity, and Mortality  
*Halyard Health*

10:00 a.m.–12:00 p.m. Site of Service and Trends in Total Joint Commercial Bundles  
*Surgical Care Affiliates*

12:30–2:30 p.m. Enhancing Patient Care and Surgeon Quality of Life through Industry Partnerships  
*DJO Global*

Optimizing the Episode: Improving Total Joint Outcomes and Cost in the Era of Bundled Payments  
*Medtronic*

3:00–5:00 p.m. Same-Day Surgery: Transitioning to Outpatient Total Joints  
*Medtronic*

From Theory to Reality: Successfully Delivering Value-Based TJA in a Non-Hospital Setting  
*Muve Health*

5:00–7:00 p.m. **AAHKS Board of Directors Meeting** (invitation only)  
*Wedgwood Ballroom*

7:00–7:15 p.m. **FARE Board of Directors Meeting** (invitation only)  
*Wedgwood Ballroom*

## Friday, November 3, 2017

6:00 a.m.–7:30 p.m. **Registration**

6:00–8:00 a.m. **Breakfast for All Attendees**

6:00 a.m.–2:55 p.m. **AAHKS and Guest Society Poster Exhibition**  
*Thank you Corporate Partner, Stryker*

6:00 a.m.–2:55 p.m. **Exhibit Hall/Learning Center Open**

6:00 a.m.–9:00 p.m. **Surgical Technique Video Viewing**

7:00 a.m.–2:30 p.m. **Orthopaedic Team Member Course**  
Chair: Jason M. Hurst, MD  
Co-Chair: James A. Browne, MD

7:00 a.m.–2:30 p.m. **The Business of Total Joint Replacement: Surviving and Thriving**  
Co-Chair: Mark I. Froimson, MD, MBA  
Co-Chair: Jay R. Lieberman, MD

7:00 a.m.–2:30 p.m. **AAHKS Resident Course**  
Chair: Gregory G. Polkowski, MD, MSc  
Co-Chair: Samuel S. Wellman, MD  
*Thank you Corporate Partners, DePuy Synthes and Stryker*

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7:30–9:30 a.m. The Value of Sitting and Standing Images in the THA Care Pathway  
*EOS Imaging*

Novel Non-Opioid Techniques for Chronic Knee and Hip Pain for Non-Operative Patients  
*Halyard Health*

Full Function Faster: Optimizing Care Pathways in the Outpatient Setting  
*MicroPort*

## Friday, November 3, 2017

10:00 a.m. – 12:00 p.m.	Outpatient Total Joint Arthroplasty: Economics, Protocols, and Challenges <i>Corentec</i>
10:00 a.m. – 12:00 p.m.	Closing the Gap on Patient Satisfaction: Handheld Robotic-Assisted Knee Solutions <i>Smith &amp; Nephew Orthopaedics</i>
	Mako Total Knee: Live Robotic-Arm Assisted Surgery <i>Stryker</i>
11:00 a.m. – 1:00 p.m.	<b>Lunch for All Attendees</b>
12:45 – 2:00 p.m.	<b>Ask the Experts Case Sessions</b> <ul style="list-style-type: none"> <li>• Primary Hip</li> <li>• Primary Knee</li> <li>• Revision Hip</li> <li>• Revision Knee</li> <li>• Joint Preservation</li> </ul> <i>Thank you Corporate Partner, United Surgical Partners</i>
<b>Break</b>	Trinity Exhibit Hall/Learning Center
2:55 p.m.	<b>President's Welcome to the 2017 AAHKS Annual Meeting</b> Mark I. Froimson, MD, MBA
3:00 – 3:15 p.m.	<b>Advocacy Address by US Senator John Barrasso, MD</b>
<b>3:15 – 4:23 p.m.</b>	<b>Session One: Complications</b>
3:15 p.m. <b>Paper #1</b>	Mobile Patient Engagement Platforms May Help Reduce 30-Day Readmission Rates in Arthroplasty Patients <b>Stefano A. Bini, MD</b>
3:21 p.m. <b>Paper #2</b>	Low-Dose Aspirin is as Safe and Effective a Prophylaxis as High-Dose Aspirin for Venous Thromboembolism after Total Hip Arthroplasty <b>Mhamad Faour, MD</b>

3:27 p.m. <b>Paper #3</b>	Tranexamic Acid in Total Joint Arthroplasty: Safe and Effective for All Patients? <b>Yale A. Fillingham, MD</b>
3:33 p.m. <b>Paper #4</b>	Complications and Mortality Following Total Hip Arthroplasty in Octogenarians: An Analysis of a National Database <b>Anthony J. Boniello, MD</b>
3:39 p.m.	<b>Discussion</b>
3:49 p.m. <b>Paper #5</b>	Race, Medicaid insurance, BMI and Female Gender Correlated with Consistently Lower HOOS JR Scores <b>Kwesi St. Louis, MD</b>
3:55 p.m. <b>Paper #6</b>	Press Ganey Patient Satisfaction Scores do not Correlate with Patient Reported Outcomes after Joint Replacement <b>Jeremy M. Gililland, MD</b>
4:01 p.m. <b>Paper #7</b>	Psychological Factors Associated with Failure to Complete a Short-Stay Total Hip Arthroplasty Protocol <b>Adam I. Edelstein, MD</b>
4:07 p.m. <b>Paper #8</b>	Treated vs. Un-Treated Depression in Total Joint Arthroplasty Impacts Outcomes <b>Christopher E. Pelt, MD</b>
4:13 p.m.	<b>Discussion</b>
4:23 – 4:25 p.m.	<b>Guest Society Recognition</b> Colombian Orthopaedic and Traumatology Society and European Hip Society Presented by <b>Mark I. Froimson, MD, MBA and Stefano A. Bini, MD</b>
<b>4:25 – 5:25 p.m.</b>	<b>Symposium I</b> Through the Looking Glass: What Does the Future Hold for Arthroplasty? Moderator: <b>Mark I. Froimson, MD, MBA</b>
5:25 – 5:29 p.m.	<b>AAHKS Humanitarian Award</b> Presented by <b>Brian S. Parsley, MD</b>

5:29–6:29 p.m.

**Symposium II**

Lessons Learned from Effective Models of Joint Replacement Care in the United States  
Moderator:

**Christopher L. Peters, MD**

6:30–7:30 p.m.

**Poster Reception for all attendees**

6:30–7:30 p.m.

**Exhibit Hall/Learning Center and Poster Exhibition Open**

**Saturday, November 4, 2017**

6:00 a.m.

**5K Fun Run & 1-Mile Walk Benefiting FARE**

Trinity Strand Trail—Start on Wycliff Ave. between the Anatole and Hilton Garden Inn  
*Thank you sponsors*

6:00 a.m.–7:30 p.m.

**Registration**

6:00–7:00 a.m.

**Breakfast**

6:00–7:00 a.m.

**AAHKS Committees Meet at Breakfast**

6:00 a.m.–7:30 p.m.

**Exhibit Hall/Learning Center Open**

6:00 a.m.–7:30 p.m.

**AAHKS and Guest Society Poster Exhibition Open**

6:55–7:00 a.m.

**Program Chair Welcome Robert M. Molloy, MD Trinity Ballroom**

**7:00–7:56 a.m.**

**Session Two: Primary Total Hip Arthroplasty**

7:00 a.m.  
**Paper #9**

THA patients with Fixed Spinopelvic Alignment from Standing to Sitting at Higher Risk of Hip Dislocation  
**David J. Mayman, MD**

7:06 a.m.  
**Paper #10**

Lumbar Fusion Involving the Sacrum Increases Dislocation Risk 8-Fold in Total Hip Arthroplasty  
**Kevin I. Perry, MD**

7:12 a.m.

**Paper #11**

Short-Term Complication Rates Following Outpatient Total Hip Replacement Equivalent or Better Than Those of Inpatient Total Hip Replacement with The Implementation of Institutional Protocols  
**Mitchell C. Weiser, MD**

7:18 a.m.

**Discussion**

7:28 a.m.

**Paper #12**

Home Health Services are not Required Following Total Hip Arthroplasty  
**Roy I. Davidovitch, MD**

7:34 a.m.

**Paper #13**

Pre-Operative Opioid Use Independently Predicts Increased Risk of Early Revision of THA  
**Nicholas A. Bedard, MD**

7:40 a.m.

**Paper #14**

Battling the Opioid Epidemic with Prospective Pain Threshold Measurement  
**Brian T. Nickel, MD**

7:46 a.m.

**Discussion**

**7:56–8:56 a.m.**

**Symposium III**

Prevention and Treatment of Instability Following THA: A Case Based Symposium  
Moderator:  
**Fares S. Haddad, MD**

**8:56–9:52 a.m.**

**Session Three: Infection**

8:56 a.m.  
**Paper #15**

A Decade of Protocol Developments for SSI Prevention: Intraoperative Betadine Irrigation Prevails  
**Matthew S. Austin, MD**

9:02 a.m.  
**Paper #16**

Dual-Agent Antibiotic Prophylaxis Using Single Dose Vancomycin Effectively Reduces Prosthetic Joint Infection Rates with Minimal Renal Toxicity Risk  
**John R. Burger, DO**

9:08 a.m.  
**Paper #17**

Reduction of Total and Viable Particles in the OR Setting by using Ultraviolet In-Room Air Disinfection and Recirculation Units  
**Gannon L. Curtis, MD**

## Saturday, November 4, 2017

9:14 a.m.	<b>Discussion</b>
9:24 a.m. <b>Paper #18</b>	Reconsidering the Strategies to Manage Chronic Periprosthetic Total Knee Infections: Using Decision Analytics to Find the Optimal Strategy between One-Stage and Two-Stage Total Knee Revision <b>Karan Srivastava, MD</b>
9:30 a.m. <b>Paper #19</b>	Extended Oral Antibiotic Prophylaxis in High Risk Patients Substantially Reduces Primary Total Hip and Knee Arthroplasty 90-Day Infection Rate <b>R. Michael Meneghini, MD</b>
9:36 a.m. <b>Paper #20</b>	What is the Optimal Criteria to use for Detecting Prosthetic Joint Infections in Total Joint Arthroplasty? <b>Preetesh D. Patel, MD</b>
9:42 a.m.	<b>Discussion</b>
9:52–10:07 a.m.	<b>Break</b>
<b>10:07–11:03 a.m.</b>	<b>Session Four: Health Policy</b>
10:07 a.m. <b>Paper #21</b>	90-Day Costs, Reoperations and Readmissions for Primary Total Knee Arthroplasty Patients of Varying BMI Levels <b>Edward Vasarhelyi, MD</b>
10:13 a.m. <b>Paper #22</b>	Cost-Effectiveness of Total Knee Arthroplasty vs. Nonoperative Management in Non-Obese, Overweight, Obese, Severely-Obese, Morbidly-Obese and Super-Obese Patients <b>Karthikeyan E. Ponnusamy, MD</b>
10:19 a.m. <b>Paper #23</b>	Are Medicare's Comprehensive Care for Joint Replacement Bundled Payments Stratifying Risk Adequately? <b>Mark A. Cairns, MD</b>
10:25 a.m.	<b>Discussion</b>

10:35 a.m. <b>Paper #24</b>	Running Two Rooms Does Not Compromise Outcomes or Patient Safety in Total Joint Arthroplasty <b>William G. Hamilton, MD</b>
10:41 a.m. <b>Paper #25</b>	Should Medicare Remove Total Knee Arthroplasty from Its Inpatient-Only List? A Total Knee Replacement Is Not a Partial Knee Replacement <b>P. Maxwell Courtney, MD</b>
10:47 a.m. <b>Paper #26</b>	A Comparison of Relative Value Units in Primary vs. Revision Total Knee Arthroplasty: Which Provides the Better Bang for Your Buck? <b>Michael A. Mont, MD</b>
10:53 a.m.	<b>Discussion</b>
11:03–11:45 a.m.	<b>Keynote Address</b>
11:45 a.m.–12:45 p.m.	<b>Lunch for all attendees</b>
<b>12:45–1:41 p.m.</b>	<b>Session Five: Revision Total Hip and Knee Arthroplasty</b>
12:45 p.m. <b>Paper #27</b>	Fretting Corrosion and Polyethylene Damage Mechanisms in Modular Dual Mobility Total Hip Arthroplasty <b>Hannah Spece, BS</b>
12:51 p.m. <b>Paper #28</b>	What is the Impact of Smoking on Revision Total Hip Arthroplasty? <b>John J. Callaghan, MD</b>
12:57 p.m. <b>Paper #29</b>	High Rate of Failure Following Revision of a Constrained Liner <b>Michael D. Hellman, MD</b>
1:03 p.m.	<b>Discussion</b>
1:13 p.m. <b>Paper #30</b>	Revision Total Knee Replacement for Arthrofibrosis <b>John R. Martin, MD</b>
1:19 p.m. <b>Paper #31</b>	Revision of UKA to TKA: Is it as Good as a Primary Result? <b>Adolph V. Lombardi Jr., MD</b>
1:25 p.m. <b>Paper #32</b>	Extensor Mechanism Reconstruction with Synthetic Mesh: Large Series of 77 Total Knee Arthroplasties <b>Matthew P. Abdel, MD</b>

1:31 p.m.	<b>Discussion</b>
1:41–1:51 p.m.	<b>AAHKS Health Policy Fellow Reports</b>
<b>1:51–2:51 p.m.</b>	<b>Symposium IV</b> Practice Norms in Primary Hip and Knee Arthroplasty: What is Everyone Doing? Moderator: <b>Jay R. Lieberman, MD</b>
2:51 p.m.	<b>The James A. Rand Young Investigator's Award</b>
2:57 p.m.	<b>Discussion</b>
3:02 p.m.	<b>The Lawrence D. Dorr Surgical Techniques &amp; Technologies Award</b>
3:08 p.m.	<b>Discussion</b>
3:13 p.m.	<b>The AAHKS Clinical Research Award</b>
3:19 p.m.	<b>Discussion</b>
3:24–3:38 p.m.	<b>Break</b>
<b>3:38–4:38 p.m.</b>	<b>Symposium V</b> Pain Management Moderator: <b>William A. Jiranek, MD</b>
<b>4:38–5:34 p.m.</b>	<b>Session Six: Primary Knee</b>
4:38 p.m. <b>Paper #33</b>	Does a Balanced TKA Produce a More Forgotten Joint? <b>Thomas L. Bradbury, MD</b>
5:44 p.m. <b>Paper #34</b>	Intraosseous Regional Prophylaxis Provides Higher Tissue Concentrations in High BMI Patients in Total Knee Arthroplasty: A Randomized Trial <b>Simon W. Young, MD</b>
4:50 p.m. <b>Paper #35</b>	A Computer Model of Mid-Flexion Instability in Balanced Cruciate Retaining or Posterior Stabilized Total Knee Arthroplasty <b>Ran Schwarzkopf, MD</b>
4:56 p.m.	<b>Discussion</b>

5:06 p.m. <b>Paper #36</b>	Total Knee Arthroplasty in the Osteoporotic Tibia: A Biomechanical Evaluation of the Role of Stem Extensions and Cementing Techniques <b>Christopher P. Walsh, MD</b>
5:12 p.m. <b>Paper #37</b>	High Rate of Early Revision Following Custom Made Unicondylar Knee Replacement <b>Carl T. Talmo, MD</b>
5:18 p.m. <b>Paper #38</b>	Results of Cemented vs. Cementless Primary Total Knee Arthroplasty Using the Same Implant Design <b>Anthony W. Feher, MD</b>
5:24 p.m. <b>5:34–6:30 p.m.</b>	<b>Discussion Symposium VI</b> Choices, Compromises, and Controversies in Total Knee Arthroplasty Moderator: <b>Adolph V. Lombardi Jr., MD</b>
6:30–7:30 p.m.	<b>Reception for all attendees</b>
7:30–8:00 p.m.	<b>AAHKS and Guest Society Poster Take Down</b>



## Sunday, November 5, 2017

6:00–10:00 a.m.	<b>Registration</b>
6:00–7:00 a.m.	<b>Breakfast for all attendees</b>
7:00–7:15 a.m.	<b>AAHKS Business Meeting Members nominate and vote on Board positions</b>
7:15–8:11 a.m.	<b>Session Seven: Revision Total Hip</b>
7:15 a.m. <b>Paper #39</b>	Association between Pseudotumor Formation and Patient Factors in Metal-on- Metal Total Hip Arthroplasty Population <b>Lindsay Kleeman, MD</b>
7:21 a.m. <b>Paper #40</b>	<b>TBA</b>
7:27 a.m. <b>Paper #41</b>	Sensitivity and Specificity of Metal Ion Level in Predicting Head-Neck Taper Corrosion in Metal-on-Polyethylene Total Hip Arthroplasty <b>Yun Peng, PhD</b>
7:33 a.m.	<b>Discussion</b>
7:43 a.m. <b>Paper #42</b>	Early Outcomes of Revision Surgery for Head-Neck Taper Corrosion of Metal- on-Polyethylene THA with Pseudotumors in 43 Patients <b>Young-Min Kwon, MD</b>
7:49 a.m. <b>Paper #43</b>	Impaction Force Influences Taper-Trunnion Stability in Total Hip Arthroplasty <b>Jonathan R. Danoff, MD</b>
7:55 a.m. <b>Paper #44</b>	Intraoperative Evaluation of Acetabular Cup Position During Anterior Approach Total Hip Arthroplasty: Are We Accurately Interpreting? <b>Dimitri E. Delagrammaticas, MD</b>
8:01 a.m.	<b>Discussion</b>

### 8:11–9:11 a.m.

### Symposium VII

The New Disease: Taper  
Corrosion after THA—A State of  
the Art 2017 Update for AAHKS  
Members  
Moderator: **Daniel J. Berry, MD**

### 9:11–9:57 a.m.

### Session Eight: Non-Arthroplasty

9:11 a.m.

#### Paper #45

Impingement-Free Hip Range of  
Motion in Asymptomatic Young  
Adult Females  
**Michael C. Mahan, MD**

9:17 a.m.

#### Paper #46

Does Severity of Dysplasia  
Influence Clinical Outcomes  
Following the Periacetabular  
Osteotomy (PAO)? A Case  
Control Study  
**Paul E. Beaulé, MD**

9:23 a.m.

#### Paper #47

The Fate of the Contralateral Hip  
in Patients Undergoing a  
Periacetabular Osteotomy: Are  
there Risk Factors for Disease  
Progression?  
**John C. Clohisy, MD**

9:29 a.m.

#### Paper #48

Are There Disease-Specific  
Articular Cartilage Wear Patterns  
in Various Pre-Arthritic Hip  
Disorders?  
**Cecilia Pascual Garrido, MD**

9:35 a.m.

#### Paper #49

Mid-Term Results of Patients  
Treated with Porous Tantalum  
Acetabular Components for  
Non-Primary Periacetabular  
Lesions  
**David G. Lewallen, MD**

9:41 a.m.

#### Paper #50

Do Focal Chondral Defects Lead  
to Worse Outcomes after  
Periacetabular Osteotomy?  
**Rafael Sierra, MD**

9:47 a.m.

### Discussion

### 9:57–10:57 a.m.

### Symposium VIII

New Technologies in Knee  
Replacement  
Moderator:  
**Robert M. Molloy, MD**



10:57–11:53 a.m.

**Session Nine: Primary Knee**

10:57 a.m.  
**Paper #51**

Two-Year Results of a Randomized Trial of Robotic Surgical Assistance vs. Manual Unicompartmental Knee Arthroplasty  
**Mark Blyth, MD**

11:03 a.m.  
**Paper #52**

Patients at Risk: Preoperative Opioid Use Affects Opioid Prescribing, Refills and Outcomes after Total Knee Arthroplasty  
**Nicholas M. Hernandez, MD**

11:09 a.m.  
**Paper #53**

Effectiveness of Novel Adjuncts in Multimodal Pain Management Following Total Knee Arthroplasty  
**Juan C. Suarez, MD**

11:15 a.m.

**Discussion**

11:25 a.m.  
**Paper #54**

Factors Influencing Reoperation of Total Knee Arthroplasty in Vasculopathic Patients  
**Maxwell K. Langfitt, MD**

11:31 a.m.  
**Paper #55**

Formal Physical Therapy May Not be Essential Following Unicompartmental Knee Arthroplasty: A Randomized Clinical Trial  
**Brian T. Darrith, BS**

11:37 a.m.  
**Paper #56**

Novel Immuno-Based Microbial ID Assays for Organism Detection in Synovial Fluid  
**Carl A. Deirmengian, MD**

11:43 a.m.

**Discussion**

11:53 a.m.

**Concluding Remarks**  
Mark I. Froimson, MD, MBA

12:00 p.m.

**Adjourn**

**The following papers will be added to the Program when finalized:**

Mechanical Complications Following Total Hip Arthroplasty Based on Surgical Approach: A Large Single Institution Cohort Study

**Andrew N. Fleischman, MD**

Cell Count and Differential of Aspirated Fluid in Immunosuppressed Patients in the Diagnosis of Total Knee Arthroplasty Prosthetic Joint Infections: A Case Series

**David W. Fitz, MD**

No Optimal Antibiotic-Free Period Prior to Reimplantation for Periprosthetic Joint Infection

**Timothy L. Tan, MD**

When Do Patient Reported Outcome Scores Peak After Primary Unilateral TKR and THR?

**Patricia D. Franklin, MD**



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## Thursday, November 2, 2017

**7:30–9:30 a.m.**

### **Hip Fracture: Pain Management Impacting Delirium, Morbidity, and Mortality**

*Halyard Health*

Attendees will gain a deeper understanding of the pain management therapy impacting delirium, morbidity, and mortality. In addition, there will be new data on morbidity and mortality for hip fracture patients. Discussion will include new data on morbidity and mortality, pain management best practices, collaboration with anesthesia, and a hip fracture alert program.

**10:00 a.m. – 12:00 p.m.**

### **Site of Service and Trends in Total Joint Commercial Bundles**

*Surgical Care Affiliates*

A growing number of health plans and self-insured employers are recognizing “site of service” as the primary driver behind the rapid escalation of surgical cost, and are investing in efforts to accelerate the migration of surgeries into lower cost settings – at the forefront of these efforts is the migration of total joint procedures to ambulatory surgical facilities.

Today’s surgeons have a remarkable opportunity to provide higher quality care at a lower cost, partner with health plans, and be rewarded for quality and efficiency achieved by site of service optimization. Surgical Care Affiliates, which recently joined Optum, is one provider leading the way in innovative quality programs and, as part of Optum, SCA is well-positioned to align with health plans and medical groups and support independent physicians.

**12:30–2:30 p.m.**

### **Enhancing Patient Care and Surgeon Quality of Life through Industry Partnerships**

*DJO Global*

Health care in the U.S. continues to change and is being moved from a procedural-based to a value-based health care delivery model. A partnership between surgeons and Industry is now even more critical in order to succeed in this new era of value-driven decisions.

**12:30–2:30 p.m.**

### **Optimizing the Episode: Improving Total Joint Outcomes and Cost in the Era of Bundled Payments**

*Medtronic*

The intent of this course is to provide an overview of bundled payment programs and the impact they have on orthopedic practices and hospitals. Faculty will share strategies for optimizing the episode of care, improving patient outcomes, reducing cost, and identifying and managing high-risk patients. Faculty will also discuss the role of surgeon leadership in designing total joint episodes of care and how to establish alliances between surgeons and hospitals.

**3:00–5:00 p.m.**

### **Same-Day Surgery: Transitioning to Outpatient Total Joints**

*Medtronic*

The intent of this program is to provide rationale and discuss innovative methods used to perform outpatient total joint procedures. Course faculty will share their experiences transitioning to same-day surgery. Topics addressed include but are not limited to patient selection, pain management, reimbursement considerations, blood management, and utilization of physical therapy to optimize patient outcomes. The course is intended to give health care providers additional tools and confidence to perform same-day total joint replacements.

**3:00–5:00 p.m.**

### **From Theory to Reality: Successfully Delivering Value-Based TJA in a Non-Hospital Setting**

*Muve Health*

In this symposium, we will discuss the application of outcome-focused, value-driven outpatient Total Joint Arthroplasty. Through the sharing of practical experience and verified patient outcomes, our clinical, patient education, and program design expert panelists will aim to answer the following question: “Can you really succeed at performing value-based TJA in a non-acute care setting?” Our discussion will focus on exploring and sharing successes, obstacles overcome, and lessons learned regarding value-based TJA program design, as well as the demonstration of Muve Health patient outcomes data as proof that you can successfully implement value-based TJA outside of a hospital setting.

**3:00–5:00 p.m.**

**How to Fix the US Health Care System: The Value Agenda from Different Perspectives**

*Stryker*

This symposium will start with a keynote address by Wael K. Barsoum, MD to provide a big-picture view of the challenges facing health care in the US and what needs to be done to fix it. US health care continues to evolve and is facing rapid change. Instead of discussing the changes you already hear so much about, this talk will provide a macro view of what the future needs to look like in order to provide better outcomes for all Americans.

The second part of the symposium will focus on how orthopaedic surgeons can prepare and what they need to be doing now to be on the winning side of health care. This session will be moderated by Richard Conn, MD. A panel of surgeons will provide differing perspectives on what they are doing or are planning to do depending on their employment situation and vision for the future.

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**Friday, November 3, 2017**

**7:30–9:30 a.m.**

**The Value of Sitting and Standing Images in the THA Care Pathway**

*EOS Imaging*

During the symposium, you will hear presentations from THA experts covering:

- The value of full body, weight-bearing, low dose, 3D imaging in the THA care pathway
- The importance of global assessment to better understand the relationship between the spine and lower limbs' pathologies
- The benefits of 3D planning and post-operative assessment with EOS images and hip EOS online software
- Standing and sitting analysis and its impact on THA range of motion

**7:30–9:30 a.m.**

**Novel Non-Opioid Techniques for Chronic Knee and Hip Pain for Non-Operative Patients**

*Halyard Health*

Introduction into a non-opioid minimally invasive technique to help address non-operative patients suffering from chronic knee and hip pain. COOLIEF\* Cooled Radiofrequency is FDA indicated to treat OA knee pain and provides durable pain relief to those patients who are not surgical candidates.

**7:30–9:30 a.m.**

**Full Function Faster: Optimizing Care Pathways in the Outpatient Setting**

*MicroPort*

In this symposium, surgeons and HCP panelists will discuss care pathways in the outpatient setting, including pre-, intra, and post-operative protocols and more. Surgeons will also discuss these care pathways as it relates to different surgical approaches such as direct superior and Portal-Assisted THA and the Medial Pivot Knee System.

**10:00 a.m.–12:00 p.m.**

**Outpatient Total Joint Arthroplasty: Economics, Protocols, and Challenges**

*Corentec*

This symposium, which has convened experts with many years of experience in outpatient TJA, will provide the audience with a general and specific outlook on the rationale behind outpatient TJA, the issues that stand in the way of implementing outpatient TJA. Experts will share their clinical path protocols.

**10:00 a.m.–12:00 p.m.**

**Closing the Gap on Patient Satisfaction: Handheld Robotic-Assisted Knee Solutions**

*Smith & Nephew Orthopaedics*

This symposium will feature a global reveal of the first ever Bi-Cruciate Retaining (BCR – JOURNEY II XR) Robotic Procedure for Total Knee surgery through an interactive procedural step-by-step and dialogue with surgeon faculty. The BCR Total Knee application is the newest application available on the NAVIO Surgical System and represents the exciting new forefront of Robotic-Assistance in Orthopaedics. The surgeon faculty will detail the core features of both Robotic-Assistance (Next-Generation Handheld Robotics, Surgical Efficiency, and Placement Accuracy) as well as anatomic knee restoration with the JOURNEY II XR, CR, and BCS (Higher Satisfaction, Faster Recovery, and Improved Function).

**10:00 a.m.–12:00 p.m.**

**Mako Total Knee: Live Robotic-Arm Assisted Surgery**

*Stryker*

This symposium will feature a live surgical demonstration of a Mako Total Knee procedure and interactive dialogue with surgeon faculty. The Mako Total Knee application is the newest application available on the Mako System and has been used clinically for over a year with over 3,500 cases completed through May 2017. The surgeon faculty will provide an update on the learnings from the empathic study, early clinical data, and case studies. The surgery will focus on the core features of the Mako Total Knee application: enhanced planning, dynamic joint balancing, and robotic-arm assisted bone preparation.



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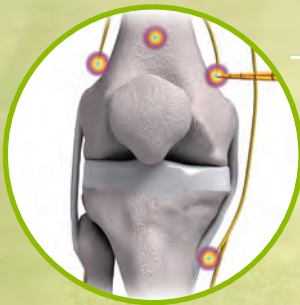
1. Clatworthy, M. (2015). An Early Outcome Study of the ATTUNE® Knee System vs. the SIGMA® CR150 Knee System. DePuy Synthes Companies White Paper. DSUS/JRC/0814/0418(1).  
In an IRB approved early outcomes study, physiotherapists collected data on 40 patients implanted with ATTUNE Knees and 40 patients with SIGMA CR150 Knees. The results demonstrated that patients implanted with the ATTUNE Knee had statistically significant improvements in some early outcomes, other outcomes demonstrated a trend favoring the ATTUNE Knee, and some outcomes were equivalent.
2. Etter K, Lerner J, deMoor C, Yoo A, Kalsekar I. Comparative Analysis of Hospital Length of Stay and Discharge Status of Two Contemporary Primary Total Knee Systems. *Journal of Knee Surgery*. 2017; 193: 1-33.  
Premier Perspective™ Database analysis including 38 hospitals, representing 1,178 primary, unilateral TKAs with the ATTUNE Knee and 5,707 primary, unilateral TKAs with Triathlon™. The analysis found that the patients implanted with the ATTUNE Knee had statistically shorter length of stay and were more frequently discharged home vs. a skilled nursing facility compared to the TKAs with Triathlon™.
3. Indelli PF, Pipino G, Johnson P, Graceffa A, Marcucci M, Posterior-stabilized total knee arthroplasty: a matched pair analysis of a classic and its evolutionary design. *Arthroplasty Today* 2016;2:193-8.
4. Martin JR, Jennings JM, Watters TS, Levy DL, McNabb DC, Dennis DA, Femoral Implant Design Modification Decreases the Incidence of Patellar Crepitus in Total Knee Arthroplasty. *J Arthroplasty*. 2017 Apr;32(4):1310-1313. doi: 10.1016/j.arth.2016.11.025. Epub 2016 Nov 22.
5. Ranawat CS, White PB, West S, Ranawat AS, Clinical and Radiographic Results of Attune and PFC Sigma Knee Designs at 2-Year Follow-Up: A Prospective Matched-Pair Analysis. *J Arthroplasty* 2017;32:431-6.
6. Sean D Toomey, Juan A Daccach, Jinesh C Shah, Sam E Himden, James P Lesko, William G Hamilton. Comparative Incidence of Patellofemoral Complications Between 2 Total Knee Arthroplasty Systems in a Multicenter, Prospective Clinical Study. *J Arthroplasty*. 2017 Apr 20. pii: S0883-5403(17)30336-4. doi: 10.1016/j.arth.2017.04.014. [Epub ahead of print]

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12:30 - 2:30 PM

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## Faculty:



**James Browne, MD**

Associate Professor of Orthopaedic Surgery,  
*University of Virginia*



**R. Michael Meneghini, MD**

Associate Professor of Clinical Orthopaedic Surgery,  
*Indiana University School of Medicine*



**Michael Taunton, MD**

*Mayo Clinic, Orthopaedic Surgery*



**Scott Sporer, MD**

Associate Professor of Orthopaedic Surgery,  
*Rush University Medical Center*



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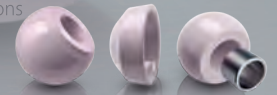


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## Save the Date



### Outpatient Total Joint Arthroplasty: Economics, Protocols and Challenges

Friday, November 3<sup>rd</sup> · 10:00am – 12:00pm · Grand Ballroom A · Hilton Anatole



**Javad Parvizi, MD**  
Professor of Orthopaedic Surgery, Rothman Institute



**Gregg R. Klein, MD**  
Vice Chairman, Dept. of Orthopedic Surgery Hackensack UMC

**Peter F. Sharkey, MD**  
Professor, Dept. Orthopaedic Surgery, Rothman Institute



**Dave Janiec**  
Director of Payment Strategy Rothman Institute



This symposium has convened experts with many years of experience in outpatient TJA, and will provide the audience with a general and specific outlook on the rationale behind outpatient TJA, the issues that stand in the way of implementing outpatient TJA, and allows the experts to share their clinical path protocols.

- Outpatient TJA: Why bother?
- How is it done: Sharing the working protocols
- Economics of outpatients TJA
- Outpatient TJA is not for all



VISIT US AT **BOOTH #517** **AAHKS**  
27<sup>th</sup> ANNUAL MEETING  
November 2-5, 2017 | Dallas, Texas

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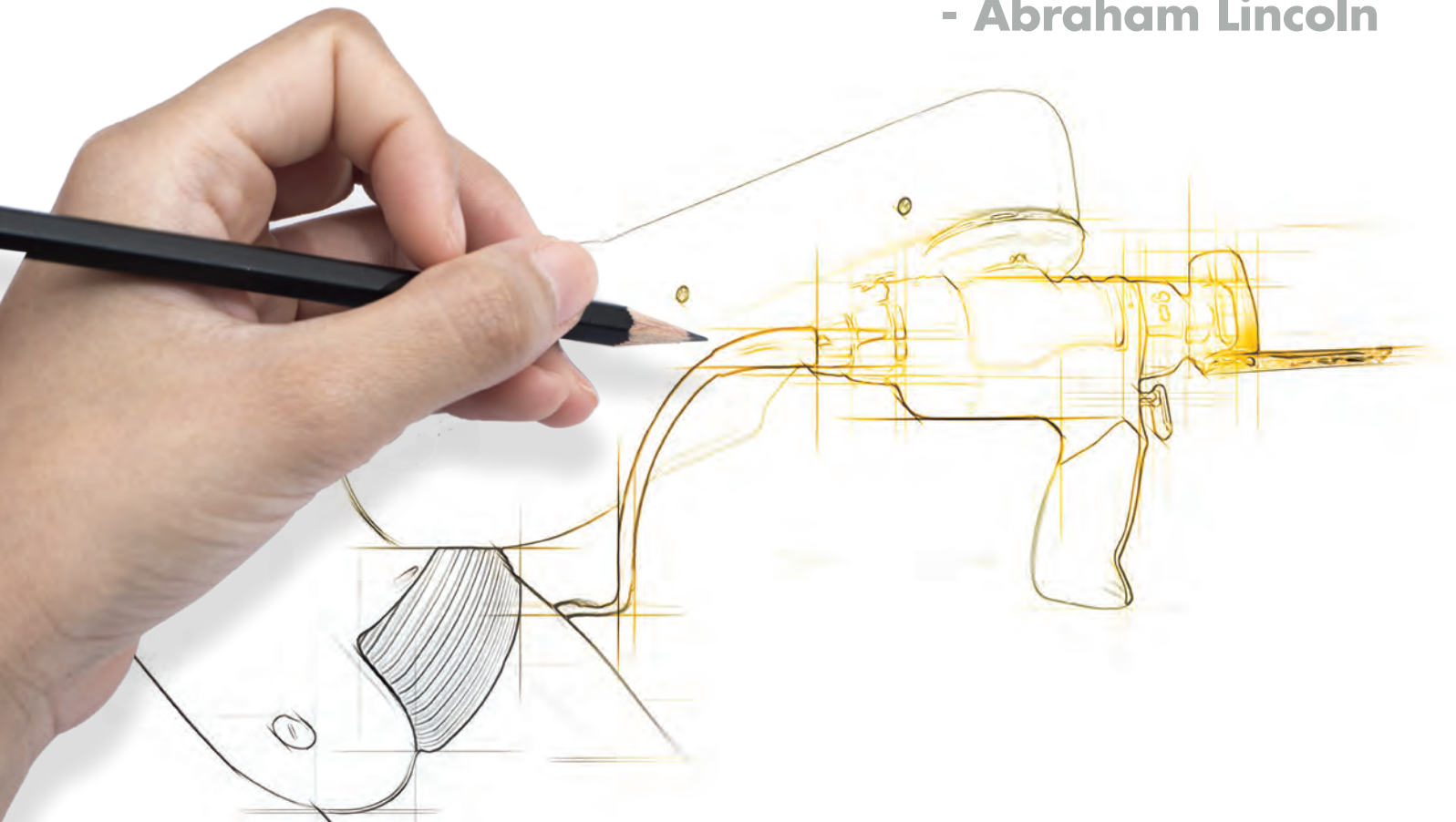


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# You Are Invited

You are invited to a reception to honor US Senator John Barrasso (R-WY)

**DATE:** 12:00 p.m. on November 3, 2017

**LOCATION:** AAHKS Annual Meeting, Hilton Anatole Dallas

Requested contribution per person: \$1,000 to Co-Host or \$500 to attend

Please **RSVP** to [jkerr@aahks.org](mailto:jkerr@aahks.org)

Senator John Barrasso is the fourth-ranking member in the Senate Republican leadership as Chairman of the Senate Republican Policy Committee.

Senator Barrasso is known by many as “Wyoming’s Doctor.” During his 24 years as an orthopaedic surgeon, Barrasso served as President of the Wyoming Medical Society, served as the first Orthopaedic PAC Secretary and was named Wyoming Physician of the Year.



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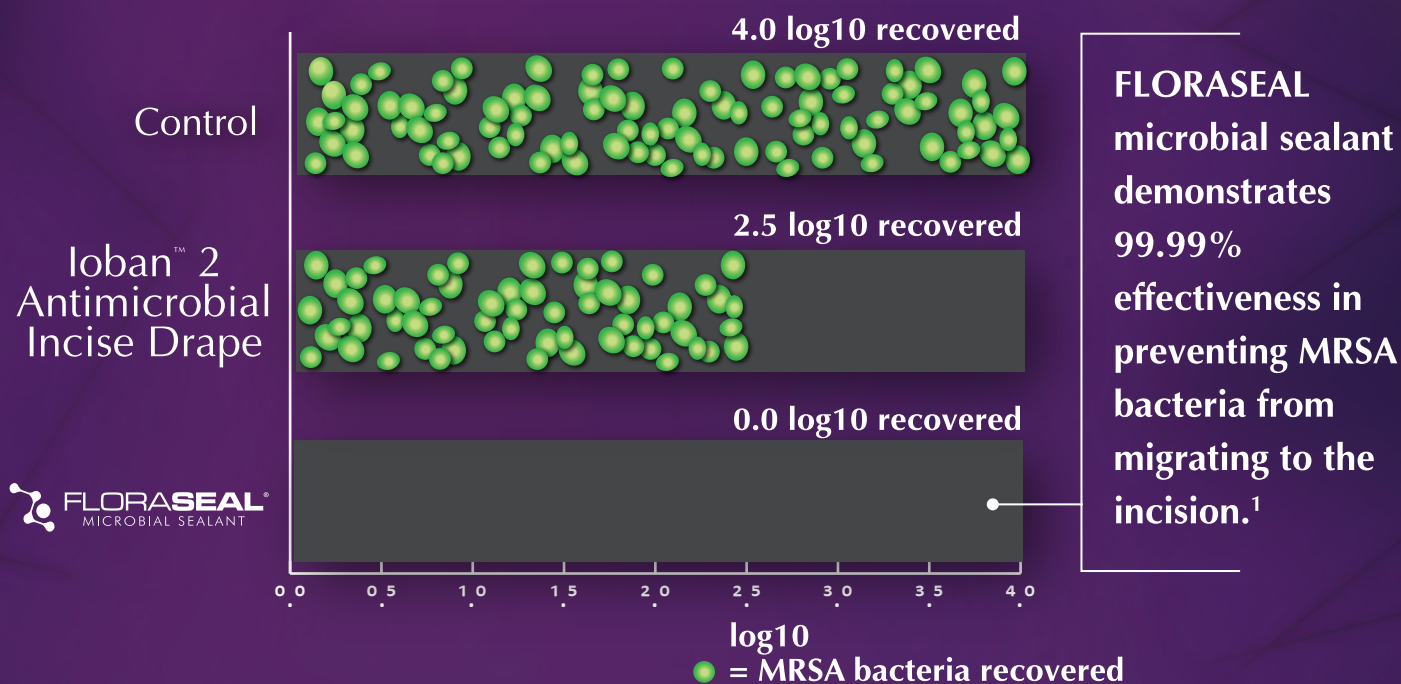
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\* Jamieson, Robert and Netravali, Nathan. "Active Robotics Results in Accurate Implant Positioning." *Orthopaedic Proceedings*, February 20, 2017, [http://bjjprocs.boneandjoint.org.uk/content/99-B/SUPP\\_4/32](http://bjjprocs.boneandjoint.org.uk/content/99-B/SUPP_4/32)



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