



**NOTE THAT SPEAKERS, TOPICS, TIMES, ETC. SUBJECT TO CHANGE WITHOUT ADVANCE NOTICE.
ALL TIMES ARE US EASTERN STANDARD.**



WEDNESDAY, DECEMBER 7, 2022

12:00-3:00 pm	Pre-Registered Participant Self Check-In and Badge Pick-Up
3:00-7:00 pm	General Registration
4:00-6:00 pm	PRE-COURSE: Let's Talk Hip and Knee in Spanish Lead Faculty: Rafael J Sierra, MD, Carlos J. Lavernia, MD, Carlos A. Higuera-Rueda, MD Presented in Spanish, to Spanish-Speaking Attendees, Case-Based
4:00-6:00 pm	PRE-COURSE: Navigating Transition to Early Practice Designed for Senior Residents and Fellows
6:00-7:30 pm 	RESIDENTS/FELLOWS RECEPTION WITH FACULTY In the Exhibit Hall / Exhibits Open (This Reception is only for Residents, Fellows, CCJR® Faculty and Industry)


THURSDAY, DECEMBER 8, 2022

6:30-7:25 am 	BREAKFAST In the Exhibit Hall	
7:30-7:35 am	Welcome and Opening Remarks	Daniel J. Berry, MD
SESSION I: PRIMARY TKA OUTPATIENT SURGERY		
Moderator 1: William J. Maloney III, MD Moderator 2: William G. Hamilton, MD		
7:35-7:45 am	KEYNOTE: Perioperative Management in the Era of Outpatient Arthroplasty	Mark W. Pagnano, MD
7:45-8:10 am	VIDEO: A Patient's Journey Through Outpatient TJA with Interactive Panel Commentary About Critical Elements	R. Michael Meneghini, MD <i>Panel:</i> C. Lowry Barnes, MD Keith R. Berend, MD Antonia F. Chen, MD William A. Jiranek, MD Ormonde M. Mahoney, MD Scott M. Sporer, MD
8:10-8:30 am	SURGICAL CASE 1: Outpatient TKA	<i>Surgeon:</i> Michael P. Bolognesi, MD <i>Moderator:</i> Adolph V. Lombardi, Jr., MD
8:30-8:45 am	DEBATE: TKA Cemented vs Uncemented Fixation Cemented: C. Anderson Engh, MD vs	C. Anderson Engh, MD R. Michael Meneghini, MD <i>Moderator:</i>

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	Uncemented: R. Michael Meneghini, MD	Steven J. MacDonald, MD, FRCS
8:45-9:05 am	SURGICAL CASE 2: Conversion TKA with Medial Stabilized TKA After Failed Previous Non-Arthroplasty Surgery	<i>Surgeon:</i> Giles R. Scuderi, MD or Wayne G. Paprosky, MD, FACS <i>Moderator:</i> Christopher L. Peters, MD
9:05-9:12 am	VIDEO: Uncemented Technique in TKA: Technical Tips to Avoid Loosening	Robert L. Barrack, MD
9:12-9:18 am	VIDEO: Cement Technique in TKA: The Devil is in the Details	David Barrett, MD
9:18-9:30 am 	Discussion / Audience Questions	<i>Panel:</i> Robert L. Barrack, MD David Barrett, MD Michael P. Bolognesi, MD C. Anderson Engh, MD Adolph V. Lombardi, Jr., MD R. Michael Meneghini, MD Mark W. Pagnano, MD
9:30-10:00 am 	BREAK Visit the Exhibit Hall Meet Faculty in the Hub	
SESSION II: CONTROVERSIES IN PRIMARY TKA IMPLANT CHOICES AND KINEMATICS AND PRIMARY TKA		
Moderator 1: Daniel J. Berry, MD Moderator 2: Antonia F. Chen, MD		
10:00-10:15 am	DEBATE: The Forgotten Articulation? Routine Patellar Resurfacing in TKA – Affirm/Oppose Affirm: Thomas P. Sculco, MD vs Oppose: Robert L. Barrack, MD	Robert L. Barrack, MD Thomas P. Sculco, MD <i>Moderator:</i> Thomas K. Fehring, MD
10:15-10:22 am	VIDEO: Managing the Patella When Not Resurfacing	C. Lowry Barnes, MD
10:22-10:29 am	VIDEO: Patellar Resurfacing Technique Tips	Andrew J. Shimmin, MD
10:29-10:44 am	FOUR-WAY DEBATE: Medial Stabilized vs Ultra Congruent vs CR vs PS Team Ultra Congruent: Michael P. Bolognesi, MD, Keith R. Berend, MD, Scott M. Sporer, MD Team Medial Pivot: William J. Maloney III, MD, C. Lowry Barnes, MD, Steven B. Haas, MD	Michael P. Bolognesi, MD Keith R. Berend, MD Scott M. Sporer, MD William J. Maloney III, MD C. Lowry Barnes, MD Steven B. Haas, MD Ormonde M. Mahoney, MD Christopher L. Peters, MD William A. Jiranek, MD Giles R. Scuderi, MD


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	<p>Team Posterior Cruciate Retaining: Ormonde M. Mahoney, MD, Christopher L. Peters, MD, William A. Jiranek, MD</p> <p>Team Posterior Cruciate Substituting: Giles R. Scuderi, MD, Thomas P. Sculco, MD, Thomas K. Fehring, MD</p>	<p>Thomas P. Sculco, MD Thomas K. Fehring, MD <i>Moderator:</i> Daniel J. Berry, MD</p>				
10:44-11:04 am	<p>SURGICAL CASE 3: Stability Throughout the Range of Motion in TKA with Medial Pivot Implant</p>	<p><i>Surgeon:</i> C. Lowry Barnes, MD <i>Moderator:</i> William J. Maloney, III, MD</p>				
11:04-11:19 am	<p>DEBATE: Allergies to TKA Materials: Real Problem or Convenient Excuse? Convenient Excuse: Robert T. Trousdale, MD vs Real Problem: Steven B. Haas, MD</p>	<p>Robert T. Trousdale, MD Steven B. Haas, MD <i>Moderator:</i> Matthew S. Austin, MD</p>				
11:19-11:39 am	<p>SURGICAL CASE 4: Augmented Reality Facilitates Cementless Kinematic-Driven TKA</p>	<p><i>Surgeon:</i> R. Michael Meneghini, MD <i>Moderator:</i> Stephen B. Murphy, MD</p>				
11:39 am-12:00 pm 	<p>Discussion / Audience Questions</p>	<p><i>Panel:</i> C. Lowry Barnes, MD Robert L. Barrack, MD Steven B. Haas, MD R. Michael Meneghini, MD Thomas P. Sculco, MD Andrew J. Shimmin, MD Robert T. Trousdale, MD</p>				
12:00-2:00 pm	<p>LUNCH In the Exhibit Hall</p>					
12:15-12:35 pm	<p>Lunch and Learn 1 (Non-CME Industry Supported Education Session) <i>Location: Innovation Theater</i></p> <p style="text-align: center;">TITLE TBA <i>presented by Pacira BioSciences, Inc.</i></p>					
12:40-1:00 pm	<p>Lunch and Learn 2 (Non-CME Industry Supported Education Session) <i>Location: Innovation Theater</i></p> <p style="text-align: center;">TITLE TBA <i>presented by Next Science</i></p>					
1:05-1:50 pm	<p>Industry Spotlights (Non-CME Industry Supported Education Session)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%; border: none; text-align: center;"> <p>A (TITLE TBA) <i>presented by Physician Growth Partners</i> <i>Location: TBD</i></p> </td> <td style="width: 25%; border: none; text-align: center;"> <p>B (TITLE TBA) <i>presented by DePuy Synthes</i> <i>Location: TBD</i></p> </td> <td style="width: 25%; border: none; text-align: center;"> <p>C (TITLE TBA) <i>presented by Center for Wealth Preservation</i> <i>Location: TBD</i></p> </td> <td style="width: 25%; border: none; text-align: center;"> <p>D (TITLE TBA) <i>presented by ENOVIS (TENTATIVE)</i> <i>Location: TBD</i></p> </td> </tr> </table>		<p>A (TITLE TBA) <i>presented by Physician Growth Partners</i> <i>Location: TBD</i></p>	<p>B (TITLE TBA) <i>presented by DePuy Synthes</i> <i>Location: TBD</i></p>	<p>C (TITLE TBA) <i>presented by Center for Wealth Preservation</i> <i>Location: TBD</i></p>	<p>D (TITLE TBA) <i>presented by ENOVIS (TENTATIVE)</i> <i>Location: TBD</i></p>
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**SESSION III: UNILATERAL TKA
ROBOTICS / ADVANCED TECHNOLOGY**


**Moderator 1: Adolph V. Lombardi, Jr., MD
Moderator 2: C. Lowry Barnes, MD**

2:00-2:15 pm	<p>DEBATE: Uni Should Always be Done with Robot Y/N</p> <p>With Robot: William J. Maloney III, MD vs No Robot Needed: Keith R. Berend, MD</p>	<p>William J. Maloney III, MD Keith R. Berend, MD <i>Moderator:</i> William A. Jiranek, MD</p>
2:15-2:35 pm	<p>SURGICAL CASE 5: Cementless UKA with Unique Tibial Fixation</p>	<p><i>Surgeon:</i> Edwin P. Su, MD <i>Moderator:</i> Ormonde A. Mahoney, MD</p>
2:35-2:50 pm	<p>Panel on Robotics: What Do We Really Want from the Robot? How Will It Actually Make Me a Better Surgeon?</p>	<p><i>Moderator:</i> Adolph V. Lombardi, Jr., MD <i>Panel:</i> Paul E. Beaulé, MD, FRCS Antonia F. Chen, MD Ronald E. Delanois, MD Carlos J. Lavernia, MD Michael A. Mont, MD Javad Parvizi, MD, FACS Giles R. Scuderi, MD Robert T. Trousdale, MD</p>
2:50-3:10 pm	<p>SURGICAL CASE 6: CT-Based Robotic TKA</p>	<p><i>Surgeon:</i> Matthew P. Abdel, MD, MS <i>Moderator:</i> Mark W. Pagnano, MD</p>
3:10-3:11 pm 3:11-3:20 pm	<p><i>Introduction by Adolph V. Lombardi, Jr., MD</i> The Gerald A. Engh, MD Keynote Lecture: Trouble-Shooting Robotics: What Do You Do When the Array Gets Loose? What Do You Do When the Numbers Don't Make Sense? How Do You Get out of Jail?</p>	<p>Fares S. Haddad, MD (Res), FRCS (Orth)</p>
3:20-3:30 pm 	<p>Discussion / Audience Questions</p>	<p><i>Panel:</i> Antonia F. Chen, MD Ronald E. Delanois, MD Fares S. Haddad, MD (Res), FRCS (Orth) Carlos J. Lavernia, MD William J. Maloney III, MD Michael A. Mont, MD Ran Schwarzkopf, MD, MSc Edwin P. Su, MD</p>


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		Robert T. Trousdale, MD Matthew P. Abdel, MD, MS Mark W. Pagnano, MD
3:30-4:00 pm 	BREAK Visit the Exhibit Hall Meet Faculty in the Hub	
SESSION IV: ALIGNMENT IN TKA COMPLEX PRIMARY TKA MANAGING COMPLICATIONS OF TKA		
Moderator 1: Michael P. Bolognesi, MD Moderator 2: Ronald E. Delanois, MD		
4:00-4:20 pm	SURGICAL CASE 7: A Unique Ligament Balancing Technique for TKA	<i>Surgeon:</i> James I. Huddleston, III, MD <i>Moderator:</i> Carlos J. Lavernia, MD
4:20-4:35 pm	DEBATE: Mechanical vs Patient-Specific Alignment Patient-Specific: Robert L. Barrack, MD vs Mechanical: Giles R. Scuderi, MD	Robert L. Barrack, MD Giles R. Scuderi, MD <i>Moderator:</i> Antonia F. Chen, MD
4:35-4:55 pm	SURGICAL CASE 8: Tips and Tricks for Kinematic Alignment of TKA	<i>Surgeon:</i> Keith R. Berend, MD <i>Moderator:</i> Fares S. Haddad, MD
4:55-5:00 pm	The Severe Valgus Knee	Ormonde M. Mahoney, MD
5:00-5:05 pm	Case of Severe Valgus Knee Presented by Moderator	Michael P. Bolognesi, MD
5:05-5:10 pm	The Knee with Extraarticular Deformity	Arun B. Mullaji, MD
5:10-5:15 pm	Case of Knee with Extraarticular Deformity Presented by Moderator	Michael P. Bolognesi, MD
5:15-5:20 pm	The Knee with Retained Hardware from Previous Procedure	Daniel J. Berry, MD
5:20-5:25 pm	Case Presented of Retained Hardware from Previous Procedure by Moderator	Michael P. Bolognesi, MD
5:25-5:40 pm	DEBATE: Use a Tourniquet for Most TKAs Yes: Matthew S. Austin, MD vs No: Douglas A. Dennis, MD	Matthew S. Austin, MD Douglas A. Dennis, MD <i>Moderator:</i> Carlos J. Lavernia, MD
5:40-6:00 pm 	Discussion Audience Questions from the Day Best Question of the Day	<i>Moderators:</i> Adolph V. Lombardi, Jr., MD William J. Maloney, III, MD <i>Panel:</i> Robert L. Barrack, MD Keith R. Berend, MD



THURSDAY, DECEMBER 8, 2022

		Daniel J. Berry, MD James I. Huddleston, III, MD Ormonde M. Mahoney, MD Arun B. Mullaji, MD Giles R. Scuderi, MD
6:00-6:30 pm	POSTER TOUR	
6:30-8:00 pm	RECEPTION In the Exhibit Hall Everyone with a badge is welcome to attend (no children under 10 y.o., please)	
		


FRIDAY, DECEMBER 9, 2022



6:45-7:25 am	BREAKFAST In the Exhibit Hall	
		
7:30-7:32 am	Welcome, recap of Thursday, highlights of Friday	Daniel J. Berry, MD
SESSION V: CONTROVERSIES IN PRIMARY THA OPERATIVE APPROACHES IN PRIMARY THA		
Moderator 1: Robert T. Trousdale, MD Moderator 2: Charles L. Nelson, MD		
7:32-7:40 am	KEYNOTE: Intraoperative Augmented Reality in Primary THA: A Glimpse of the Future?	Stephen B. Murphy, MD
7:40-8:00 am	SURGICAL CASE 9: CT-Based Robotic THA	<i>Surgeon:</i> David J. Mayman, MD <i>Moderator:</i> Mark W. Pagnano, MD
8:00-8:15 am	DEBATE: Cemented vs Uncemented THA Femoral Components in the Elderly Cemented: James A. Browne, MD vs Uncemented: Michael A. Mont, MD	James A. Browne, MD Michael A. Mont, MD <i>Moderator:</i> Thomas P. Sculco, MD
8:15-8:35 am	SURGICAL CASE 10: Optimizing Results in THA in the High BMI Patient	<i>Surgeon:</i> William G. Hamilton, MD <i>Moderator:</i> Wayne G. Paprosky, MD
8:35-8:50 am	DEBATE: High BMI Soft Cut-Off vs No Cut-Off No Cut-Off: Just Do it: David G. Lewallen, MD vs Soft Cut-Off: Optimize First: Ran Schwarzkopf, MD	David G. Lewallen, MD Ran Schwarzkopf, MD <i>Moderator:</i> James A. Browne, MD
8:50-9:05 am	DEBATE: Spino-Pelvic Interactions: Get Special X-Rays and Measure All the Angles Affirm: Douglas A. Dennis, MD	Douglas A. Dennis, MD Thomas K. Fehring, MD <i>Moderator:</i> Charles L. Nelson, MD



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	vs Oppose: Thomas K. Fehring, MD	
9:05-9:11 am	Failed Dual Mobility with Intraprosthetic Dislocation: Making the Diagnosis and Solving the Problem	Rafael J. Sierra, MD
9:12-9:18 am	One Surgeon's Journey Through Three Operative Approaches: Direct Lateral to Posterior to Direct Anterior. Why, You Might Ask?	C. Anderson Engh, MD
9:18-9:30 am 	Discussion / Audience Questions: <ul style="list-style-type: none"> • Are Dual-Mobility Bearings Overused in Primaries? • Where Are We on Operative Approaches Posterior vs DA? 	<i>Panel:</i> James A. Browne, MD Douglas A. Dennis, MD C. Anderson Engh, MD Thomas K. Fehring, MD William G. Hamilton, MD David G. Lewallen, MD David J. Mayman, MD Michael A. Mont, MD Ran Schwarzkopf, MD Rafael J. Sierra, MD
9:30-10:00AM 	BREAK Visit the Exhibit Hall Meet Faculty in the Hub	
SESSION VI: PERIOPERATIVE MANAGEMENT OF THA/TKA COMPLEX PRIMARY THA		
Moderator 1: Douglas E. Padgett, MD Moderator 2: Ran Schwarzkopf, MD		
10:00-10:15 am	DEBATE: Symptomatic AVN with No Head Collapse Head-Sparing Procedure – Jay R. Lieberman, MD vs Just Do the THA – Paul E. Beaulé, MD	Jay R. Lieberman, MD Paul E. Beaulé, MD <i>Moderator:</i> George J. Haidukewych, MD
10:15-10:20 am	Management of DDH with THA	Christopher L. Peters, MD
10:20-10:25 am	Case of DDH Presented by Moderator	Douglas E. Padgett, MD
10:25-10:30 am	Management of Failed Acetabular Fractures with THA	David G. Lewallen, MD
10:30-10:35 am	Case of Failed Acetabular Fracture Presented by Moderator	Douglas E. Padgett, MD
10:35-10:40 am	Management of Proximal Femoral Deformity in THA	James A. Browne, MD
10:40-10:45 am	Case of Proximal Femoral Deformity Presented by Moderator	Douglas E. Padgett, MD
10:45-11:05 am	SURGICAL CASE 11: Primary THA with Augmented Reality	<i>Surgeon:</i> Adolph V. Lombardi, Jr., MD <i>Moderator:</i> Douglas E. Padgett, MD
11:05-11:30 am	CONFIRM OR DENY: Controversies in Perioperative Management and Decision-Making in THA and TKA	<i>Moderator:</i> Daniel J. Berry, MD

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		<i>Panel:</i> Matthew S. Austin, MD Adolph V. Lombardi, Jr., MD Steven J. MacDonald, MD Rafael J. Sierra, MD		
11:30-11:50 am	SURGICAL CASE 12: Contemporary Approaches to Periprosthetic Fracture Fixation of the Femur	<i>Surgeon:</i> George J. Haidukewych, MD <i>Moderator:</i> Elizabeth B. Gausden, MD		
11:50 am-12:00 pm 	Discussion / Audience Questions	<i>Panel:</i> James A. Browne, MD Paul E. Beaulé, MD Craig Della Valle, MD George J. Haidukewych, MD David G. Lewallen, MD Jay R. Lieberman, MD Rafael J. Sierra, MD		
12:00-2:00 pm	LUNCH In the Exhibit Hall			
12:15-12:35 pm	Lunch and Learn 3 (Non-CME Industry Supported Education Session) <i>Location: Innovation Theater</i> TITLE TBA <i>presented by DePuy Synthes</i>			
12:40-1:00 pm	Lunch and Learn 4 (Non-CME Industry Supported Education Session) <i>Location: Innovation Theater</i> TITLE TBA <i>presented by Zimmer Biomet</i>			
1:05-1:50 pm	Industry Spotlights (Non-CME Industry Supported Education Session)			
	A (TITLE TBA) <i>presented by Legally Mine</i> <i>Location: TBD</i>	B (TITLE TBA) <i>presented by DePuy Synthes</i> <i>Location: TBD</i>	C (TITLE TBA) <i>presented by TBD</i> <i>Location: TBD</i>	D (TITLE TBA) <i>presented by TBD</i> <i>Location: TBD</i>
SESSION VII: COMPLICATIONS IN THA: PREVENTION AND MANAGEMENT				
Moderator 1: Don S. Garbuz, MD Moderator 2: Jay R. Lieberman, MD				
2:00-2:15 pm	Using New Technologies to Evaluate the Unstable THA: A Case Example	Andrew J. Shimmin, MD		
2:15-2:35 pm	SURGICAL CASE 13: THA with Digital Technology to Optimize Stability	<i>Surgeon:</i> Jonathan M. Vigdorichik, MD <i>Moderator:</i> Ran Schwarzkopf, MD, MSc		
2:35-2:40 pm	Treating Hip Instability: Decision Making; Using the Right Technology	Steven J. MacDonald, MD		

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2:40-2:45 pm	Case of Instability After THA Presented by Moderator	Don S. Garbuz, MD
2:45-2:50 pm	Periprosthetic Fracture THA Suitable for ORIF: Decisions; Technical Tips	Elizabeth B. Gausden, MD
2:50-2:55 pm	Case of Vancouver B1 Periprosthetic Fracture Presented by Moderator	Don S. Garbuz, MD, MHSc
2:55-3:00 pm	Periprosthetic Fracture THA Suitable for Revision: Decisions; Technical Tips	Matthew P. Abdel, MD
3:00-3:05 pm	Case of Vancouver B2 or B3 Periprosthetic Fracture Presented by Moderator	Don S. Garbuz, MD
3:05-3:10 pm	Abductor Deficiency After THA: Decision-Making; Surgical Management	Rafael J. Sierra, MD
3:10-3:15 pm	Case of the Abductor Deficiency After THA Presented by Moderator	Don S. Garbuz, MD
3:15-3:30 pm 	Discussion / Audience Questions	<i>Panel:</i> Matthew P. Abdel, MD Elizabeth B. Gausden, MD Steven J. MacDonald, MD Andrew J. Shimmin, MD Rafael J. Sierra, MD
3:30-4:00 pm 	BREAK Visit the Exhibit Hall Meet Faculty in the Hub	
SESSION VIII: INFECTION: THE ENEMY		
Moderator 1: Bryan D. Springer, MD Moderator 2: Carlos A. Higuera-Rueda, MD		
4:00-4:10 pm	KEYNOTE: What Do You Do When You Suspect Infection but Routine Cultures Are Negative	Craig J. Della Valle, MD
4:10-4:25 pm	DEBATE: Extended Antibiotics for All At-Risk Patients – Affirm/Oppose Affirm: R. Michael Meneghini, MD vs Oppose: Javad Parvizi, MD, FACS	R. Michael Meneghini, MD Javad Parvizi, MD, FACS <i>Moderator:</i> Jay R. Lieberman, MD
4:25-4:45 pm	SURGICAL CASE 14: Two-Stage Management of Periprosthetic Hip Infection with Pre-Made Spacer	<i>Surgeon:</i> Bryan D. Springer, MD <i>Moderator:</i> James A. Browne, MD
	Case-Based Mini-Session VIII-A	<i>Moderator:</i> Bryan D. Springer, MD
4:46-4:54 pm	Case of DAIR Candidate: Discussion of key controversies	<i>Panel:</i> Ronald E. Delanois, MD
4:54-5:02 pm	Case of One-Stage Candidate: Discussion of key controversies	Craig J. Della Valle, MD Thomas K. Fehring, MD


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5:02-5:10 pm	Case of Two-Stage Candidate: Discussion of key controversies	Carlos A. Higuera-Rueda, MD William A. Jiranek, MD Michael A. Mont, MD Javad Parvizi, MD, FACS
5:10-5:16 pm	Technique Tips with Video: Knee Spacers	Matthew P. Abdel, MD, MS
5:16-5:22 pm	Technique Tips with Video: Intraosseous Antibiotic Technique: When and How?	Simon Young, MD, FRACS
5:22-5:38 pm 	Discussion Audience Questions from the Day Best Question of the Day	<i>Moderators:</i> Adolph V. Lombardi, Jr., MD William J. Maloney, III, MD <i>Panel:</i> Matthew P. Abdel, MD, MS Ronald E. Delanois, MD Craig J. Della Valle, MD Thomas K. Fehring, MD Carlos A. Higuera-Rueda, MD R. Michael Meneghini, MD Michael A. Mont, MD Javad Parvizi, MD, FACS Bryan D. Springer, MD
5:38-5:40 pm	Best Poster Awards	William J. Maloney, III, MD
SESSION IX: SMALL-GROUP "CAMPFIRE CHATS" DETAILED CASE-BASED DISCUSSION OF FOCUSED TOPICS		
5:50-6:30 pm 	20 concurrent individual group topics Ticketed event; advance sign-up is required to attend	
6:30-8:00 pm	Faculty and Industry VIP Reception (by invitation only)	
6:30-8:00 pm	Non-CME Industry Supported Education Session Location: Regency Hall ROSA® Robotics <i>Presented by Zimmer Biomet</i>	

SATURDAY, DECEMBER 10, 2022		
6:45-7:25 am 	FAMILY BREAKFAST (All family members and guests welcome, registration required)	
7:30-7:32 am	Welcome, recap of Friday, highlights of Saturday	Daniel J. Berry, MD
SESSION X: REVISION THA		
Moderator 1: Steven J. MacDonald, MD Moderator 2: Scott M. Sporer, MD		
7:32-7:33 am 7:33-7:40 am	<i>Introduction by William J. Maloney, III, MD</i> The Charles A. Engh, MD Keynote: Things You Can Miss on a Radiograph (I Have Done That!)	William G. Hamilton, MD

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7:40-8:00 am	SURGICAL CASE 15: Optimizing Fixation and Stability in the Complex Revision THA	<i>Surgeon:</i> Mathias P. G. Bostrom, MD <i>Moderator:</i> David G. Lewallen, MD
8:00-8:05 am	VIDEO: Implant Removal Challenges and Techniques	Douglas E. Padgett, MD
8:05-8:10 am	Case of Challenging Implant Removal Presented by Moderator	Steven J. MacDonald, MD
8:10-8:15 am	Uncemented Hemispherical Cup: Indications, Tips and Techniques	David G. Lewallen, MD
8:15-8:20 am	Case of Paprosky 2C Bone Loss Presented by Moderator	Steven J. MacDonald, MD
8:20-8:25 am	Uncemented Cup Plus Metal Augments: Indications, Tips and Techniques	Wayne G. Paprosky, MD, FACS
8:25-8:30 am	Case of Paprosky 3A Bone Loss Presented by Moderator	Steven J. MacDonald, MD
8:30-8:35 am	VIDEO: Femoral Revision with Fluted Tapered Stems	Scott M. Sporer, MD
8:35-8:40 am	Case of Failed Femoral Component with Paprosky Type III Bone Loss Presented by Moderator	Steven J. MacDonald, MD
8:40-8:55 am	DEBATE: Custom Triflange vs Cup-Cage in Severe Bone Defects Custom Triflange: Thomas K. Fehring, MD vs Cup-Cage: Wayne G. Paprosky, MD	Thomas K. Fehring, MD Wayne G. Paprosky, MD <i>Moderator:</i> Scott M. Sporer, MD
8:55-9:10 am	Discussion / Audience Questions	<i>Panel:</i> Mathias P. Bostrom, MD Thomas K. Fehring, MD William G. Hamilton, MD David G. Lewallen, MD Douglas E. Padgett, MD Wayne G. Paprosky, MD Scott M. Sporer, MD
9:10-9:30 am 	OUTDOOR BREAK (Weather permitting)	
SESSION XI: REVISION TKA		
Moderator 1: Craig J. Della Valle, MD Moderator 2: Steven B. Haas, MD		
9:30-9:50 am	SURGICAL CASE 16: Robotic-Assisted Revision TKA	<i>Surgeon:</i> Thorsten M. Seyler, MD <i>Moderator:</i> Carlos A. Higuera-Rueda, MD
9:50-9:55 am	VIDEO: Exposure of the Stiff TKA in Revision TKA	Charles L. Nelson, MD
9:55-10:00 am	Case of Stiffness After TKA Presented by Moderator	Craig J. Della Valle, MD

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		Steven B. Haas, MD
10:00-10:05 am	VIDEO: Removal of TKA Components	Ran Schwarzkopf, MD, MSc
10:05-10:10 am	Case of Challenging TKA Component Removal Presented by Moderator	Craig J. Della Valle, MD Steven B. Haas, MD
10:10-10:15 am	VIDEO: Techniques to Manage Bone Loss with Sleeves	Douglas A. Dennis, MD
10:15-10:20 am	Case of Tibial Bone Loss Presented by Moderator	Craig J. Della Valle, MD Steven B. Haas, MD
10:20-10:25 am	VIDEO: Techniques to Manage Bone Loss with Cones	Michael P. Bolognesi, MD
10:25-10:30 am	Case of Femoral Bone Loss Presented by Moderator	Craig J. Della Valle, MD Steven B. Haas, MD
10:30-10:45 am	DEBATE: Distal Femoral Replacement vs ORIF for Comminuted Distal Femoral Periprosthetic Fractures Distal Femoral Replacement: Elizabeth B. Gausden, MD vs ORIF: George J. Haidukewych, MD	Elizabeth B. Gausden, MD George J. Haidukewych, MD <i>Moderator:</i> C. Anderson Engh, MD
10:45-11:05 am	SURGICAL CASE 17: Revision TKA with Hinged Implant and Cones	<i>Surgeon:</i> Thorsten Gehrke, MD <i>Moderator:</i> Rafael J. Sierra, MD
11:05-11:20 am	DEBATE: Synthetic Mesh vs Exterior Mechanism Allograft for Extensor Mechanism Disruption (Why and How) Synthetic Mesh: Matthew P. Abdel, MD vs Exterior Mechanism Allograft: Scott M. Sporer, MD	Matthew P. Abdel, MD Scott M. Sporer, MD <i>Moderator:</i> C. Lowry Barnes, MD
11:20-11:35 am 	Discussion / Audience Questions Audience Questions from the Day Best Question of the Day / Course	<i>Moderators:</i> Adolph V. Lombardi, Jr., MD William J. Maloney, III, MD <i>Panel:</i> Matthew P. Abdel, MD Michael P. Bolognesi, MD Douglas A. Dennis, MD Elizabeth B. Gausden, MD Thorsten Gehrke, MD George J. Haidukewych, MD Charles L. Nelson, MD Ran Schwarzkopf, MD, MSc Thorsten M. Seyler, MD Scott M. Sporer, MD
11:35-11:45 am	Closing Remarks and Adjourn	Daniel J. Berry, MD