



Reaffirmed. Reimagined.

CCJR® meetings are presented by The Hip Society and The Knee Society
in honor of Charles A. Engh, Sr., MD and Gerard A. Engh, MD

Industry InSITE® (Science, Innovation, Technology, Education) – Non-CME

Surgical Demonstration

CST/US Chicago		TUESDAY, DECEMBER 8, 2020	
		Theme of the Day: New Technologies in Primary TKA	
4:55 – 5:40 PM	INDUSTRY InSITE® (Science, Innovation, Technology, Education) <i>TG-C, a Potential Novel Disease Modifying Gene and Cell Therapy Targeting Various Orthopedic Diseases and Degenerative Disorders</i>	Presented by Kolon TissueGene	
		Presenter: Matthew Kiser, MBA / Moderator: Michael A. Mont, MD	
5:40 – 6:25 PM	INDUSTRY InSITE® (Science, Innovation, Technology, Education) <i>Unleashing the Power of ATTUNE®</i>	Presented by DePuy Synthes	
		Presenters: David F. Dalury, MD; Ryan M. Nunley, MD	
6:25 – 6:30 PM	Break		
6:30 – 6:35 PM	Welcome and Overview Theme of the Day: New Technologies in Primary TKA Daniel J. Berry, MD, Senior Director, CCJR® Executive Committee		
6:35 – 7:15 PM	SURGICAL DEMONSTRATION <i>Efficient Utilization of a Robotic Orthopaedic Surgical Assistant for TKA in an ASC</i> Surgeon: Adolph V. Lombardi, Jr., MD, FACS / Moderator: Christopher L. Peters, MD		
7:15 – 7:25 PM	DISCUSSION OF PREVIOUS SURGICAL CASE / AUDIENCE QUESTIONS Moderators: (1) Bryan D. Springer, MD; (2) James A. Browne, MD Panel: William G. Hamilton, MD; Adolph V. Lombardi, Jr., MD, FACS; Jess H. Lonner, MD; Andrew J. Shimmin, MD		
7:25 – 7:40 PM	DEBATE <i>Robotic TKA in 2020</i> Moderator: Bryan D. Springer, MD		
	Affirmative: <i>Robotic TKA: Better than Manual TKA and Worth the Effort</i> Mark W. Pagnano, MD	– vs. –	Negative: <i>Robotic TKA: Overhyped and Overbudget</i> Matthew S. Austin, MD
7:40 – 7:55 PM	DEBATE <i>Uncemented TKA in 2020</i> Moderator: Bryan D. Springer, MD		
	Affirmative: <i>An Emerging Game Changer</i> R. Michael Meneghini, MD	– vs. –	Negative: <i>Hold On! The Results Do Not Rival Cemented TKA</i> Steven B. Haas, MD
7:55 – 8:10 PM	SOUNDING PANEL DISCUSSION: PERSPECTIVES ON THE TWO PREVIOUS DEBATES Moderators: (1) Giles R. Scuderi, MD; (2) Douglas A. Dennis, MD Panel: C. Anderson Engh, MD; Steven J. MacDonald, MD, FRCSC; Michael A. Mont, MD; Martin W. Roche, MD		
8:10 – 8:15 PM	VIDEO <i>My Key Tips for Staying Out of Trouble with Uncemented TKA: How to Reliably Get Fixation</i> Presenter: Robert L. Barrack, MD		
8:15 – 8:30 PM	AUDIENCE QUESTIONS / PANEL DISCUSSION ON NEW TECHNOLOGIES IN TKA <i>Uncemented TKA, Navigation, Robotics, Intraoperative Sensors</i> Moderators: (1) Thomas P. Sculco, MD; (2) Matthew P. Abdel, MD Panel: Robert L. Barrack, MD; Keith R. Berend, MD; Craig J. Della Valle, MD; Giles R. Scuderi, MD		
8:30 – 8:35 PM	Break		
8:35 – 9:20 PM	INDUSTRY InSITE® (Science, Innovation, Technology, Education) <i>ROSA® Knee – Efficiently Adapting Robotics to Your Surgical Workflow</i>	Presented by Zimmer Biomet	
		Presenters: Nathan L. Cafferky, MD, FAAOS; Timothy E. Ekpo, DO / Moderator: Adolph V. Lombardi, Jr., MD, FACS	

CST/US Chicago

WEDNESDAY, DECEMBER 9, 2020

Theme of the Day: **Controversies in Primary THA**

5:40 – 6:25 PM	INDUSTRY InSITE® (Science, Innovation, Technology, Education) <i>Leveraging Patient Engagement Technology to Improve Both Patient and Employee Satisfaction</i> Presented by Quil Presenter: Carina Edwards, CEO, Quil / Moderator: Arjun Saxena, MD
6:25 – 6:30 PM	Break
6:30 – 6:35 PM	Welcome and Overview Theme of the Day: Controversies in Primary THA Daniel J. Berry, MD, Senior Director, CCJR® Executive Committee
6:35 – 7:15 PM	SURGICAL DEMONSTRATION <i>Technology Enabled Direct Anterior Approach THA</i> Surgeon: William G. Hamilton, MD / Moderator: Keith R. Berend, MD
7:15 – 7:25 PM	DISCUSSION OF PREVIOUS SURGICAL CASE / AUDIENCE QUESTIONS Moderators: (1) David G. Lewallen, MD; (2) Michael J. Taunton, MD Panel: Keith R. Berend, MD; John J. Callaghan, MD; William G. Hamilton, MD; Christopher L. Peters, MD
7:25 – 7:40 PM	DEBATE <i>For Primary THA, the Best Operative Approach Is...</i> Moderator: C. Anderson Engh, MD Posterior Approach: – vs. – Anterior Approach: <i>Lowest Complication Rate, Most Reproducible</i> – vs. – <i>For Now and for the Future: Get on Board!</i> Don S. Garbuz, MD, MHSc, FRCSC Paul E. Beaulé, MD, FRCSC
7:40 – 7:55 PM	DEBATE <i>The Stem Still Should be Cemented in Older Patients</i> Moderator: C. Anderson Engh, MD Affirmative: – vs. – Negative: <i>Lowest Complication Rate in Every Database</i> – vs. – <i>I Go Uncemented: Just Like I Always Do</i> William J. Maloney, III, MD Wayne G. Paprosky, MD, FACS
7:55 – 8:10 PM	SOUNDING PANEL DISCUSSION: PERSPECTIVES ON THE PREVIOUS TWO DEBATES Moderators: (1) Douglas E. Padgett, MD; (2) Jay R. Lieberman, MD Panel: George J. Haidukewych, MD; Mark W. Pagnano, MD; Andrew J. Shimmin, MD; Thomas P. Vail, MD
8:10 – 8:15 PM	VIDEO <i>Cementing the Stem in 2020 – Remember How to Do It Well</i> Presenter: Rafael J. Sierra, MD
8:15 – 8:30 PM	AUDIENCE QUESTIONS / PANEL DISCUSSION ON CONTROVERSIES IN PRIMARY THA IN 2020 <i>Role of CoCr Heads, Role of Ceramic on Ceramic Bearings, Role of Dual Mobility Bearings in High Risk Primary THA, Extra Pre-Op Imaging for Spine Patients</i> Moderators: (1) John J. Callaghan, MD; (2) Matthew S. Austin, MD Panel: Matthew P. Abdel, MD; James I. Huddleston, III, MD; Christopher L. Peters, MD; Rafael J. Sierra, MD
8:30 – 8:35 PM	Break
8:35 – 9:20 PM	INDUSTRY InSITE® (Science, Innovation, Technology, Education) <i>Establish New Practice Revenue Streams from Digital Technologies and Connected Patient Experiences</i> Presented by Ceras Health, Inc. Presenters: Udaya Devineni, President, CEO, Ceras Health, Inc.; Michael A. Mont, MD

CST/US Chicago

THURSDAY, DECEMBER 10, 2020

Theme of the Day: **Outpatient and Short-Stay Surgery in Primary Joint Replacement**

5:40 – 6:25 PM	INDUSTRY InSITE® (Science, Innovation, Technology, Education) <i>Cryoanalgesia as Part of a Multimodal Solution to Manage TKA Pain</i> Presented by Pacira BioSciences, Inc. Presenters: Sean McMillan, DO; William M. Mihalko, MD, PhD / Moderator: Michael A. Mont, MD
6:25 – 6:30 PM	Break
6:30 – 6:35 PM	Welcome and Overview Theme of the Day: Outpatient and Short-Stay Surgery in Primary Joint Replacement Daniel J. Berry, MD, Senior Director, CCJR® Executive Committee
6:35 – 7:10 PM	SURGICAL DEMONSTRATION <i>Outpatient Robotic UKA: State of the Art!</i> Surgeon: Martin W. Roche, MD / Moderator: Jess H. Lonner, MD
7:10 – 7:15 PM	DISCUSSION OF PREVIOUS SURGICAL CASE / AUDIENCE QUESTIONS Moderators: (1) Steven B. Haas, MD; (2) James I. Huddleston, III, MD Panel: Keith R. Berend, MD; William G. Hamilton, MD; Michael A. Mont, MD; Martin W. Roche, MD
7:15 – 7:40 PM	SURGICAL DEMONSTRATION <i>Dual-Pivot TKA: More Kinematically Correct Than Single-Pivot or Non-Pivot TKA?</i> Surgeon: Michael J. Taunton, MD / Moderator: Robert L. Barrack, MD
7:40 – 7:45 PM	DISCUSSION OF PREVIOUS SURGICAL CASE / AUDIENCE QUESTIONS Moderators: (1) Steven B. Haas, MD; (2) James I. Huddleston, III, MD Panel: Matthew P. Abdel, MD; John J. Callaghan, MD; Michael J. Taunton, MD
7:45 – 8:00 PM	DEBATE <i>Outpatient Surgery for TKA and THA</i> Moderator: Robert L. Barrack, MD Here to Stay: – vs. – This is Crazy: <i>Figure Out How to Do It</i> – <i>Just Stay a Night or Two</i> Craig J. Della Valle, MD – Douglas E. Padgett, MD
8:00 – 8:05 PM	SOUNDING PANEL DISCUSSION: PERSPECTIVES ON THE PREVIOUS DEBATE Moderators: (1) Thomas P. Vail, MD; (2) C. Anderson Engh, MD Panel: James A. Browne, MD; Mark W. Pagnano, MD; Thomas P. Sculco, MD; Bryan D. Springer, MD
8:05 – 8:10 PM	OUTPATIENT SURGERY Moderator: Steven B. Haas, MD <i>Figuring Out the Right Patient: Risk Assessment Tools vs. Eyeball</i> Presenter: Matthew S. Austin, MD
8:11 – 8:16 PM	<i>What I Have Learned About How to Make Outpatient Surgery Work Well – Preop/OR/Postop</i> Presenter: Keith R. Berend, MD
8:17 – 8:22 PM	<i>What Do You Need in Your Outpatient Facility to Do Outpatient Surgery Safely?</i> Presenter: Adolph V. Lombardi, Jr., MD, FACS
8:22 – 8:30 PM	AUDIENCE QUESTIONS / PANEL DISCUSSION ON OUTPATIENT SURGERY <i>How Do You Get Started? Can You Do It in a Regular Hospital? What Are the Biggest Mistakes You Can Make?</i> Moderators: (1) R. Michael Meneghini, MD; (2) James A. Browne, MD Panel: Matthew S. Austin, MD; Keith R. Berend, MD; Douglas A. Dennis, MD; Adolph V. Lombardi, Jr., MD, FACS
8:30 – 8:35 PM	Break
8:35 – 9:20 PM	INDUSTRY InSITE® (Science, Innovation, Technology, Education) <i>VERASENSE™ – What Is It and How Do You Use It? Improved Clinical Outcomes, Significant Cost Savings</i> Presented by OrthoSensor Presenters: Kenneth A. Gustke, MD: VERASENSE™ – What Is It and How Do You Use It? Alexander Sah, MD: VERASENSE™ – Improves Short-Term Clinical Outcomes Martin W. Roche, MD: VERASENSE™ – Provides Cost Savings in the 90-day Bundle Moderator: Michael Conditt, PhD

CST/US Chicago

FRIDAY, DECEMBER 11, 2020

Themes of the Day: **1. New Technologies in Primary THA**
2. Techniques in Revision THA

7:10 – 7:55 AM	INDUSTRY InSITE® (Science, Innovation, Technology, Education) <i>Optimizing Joint Arthroplasty in the ASC</i> Presented by Zimmer Biomet Presenter: Nicholas Frisch, MD / Moderator: Sharon Edwards, MedED Manager, Zimmer Biomet
7:55 – 8:00 AM	Break
8:00 – 8:05 AM	Welcome and Overview Themes of the Day: (1) New Technologies in Primary THA; (2) Techniques in Revision THA Daniel J. Berry, MD, Senior Director, CCJR® Executive Committee
8:05 – 8:45 AM	SURGICAL DEMONSTRATION <i>A THA Using 3D Preoperative Planning and Patient-Specific Implant Positioning Technology</i> Surgeon: Andrew J. Shimmin, MD / Moderator: William J. Maloney, III, MD
8:45 – 8:55 AM	DISCUSSION OF PREVIOUS SURGICAL CASE / AUDIENCE QUESTIONS Moderators: (1) Paul E. Beaulé, MD, FRCS; (2) Michael P. Bolognesi, MD Panel: Don S. Garbuz, MD, MHS, FRCS; Michael A. Mont, MD; Andrew J. Shimmin, MD; Thomas P. Vail, MD
8:55 – 9:20 AM	KEY DECISIONS IN EVERYDAY MANAGEMENT OF PRIMARY THA AND PRIMARY TKA: PANEL WILL CONFIRM OR DENY!! Moderator: Daniel J. Berry, MD Panel: Matthew S. Austin, MD; James A. Browne, MD; Steven J. MacDonald, MD, FRCS; Andrew J. Shimmin, MD
9:20 – 10:00 AM	SURGICAL DEMONSTRATION <i>The Simple to Complex THA: Helping Get it Perfect With the Robot</i> Surgeon: David J. Mayman, MD / Moderator: Douglas E. Padgett, MD
10:00 – 10:10 AM	DISCUSSION OF PREVIOUS SURGICAL CASE / AUDIENCE QUESTIONS Moderators: (1) Paul E. Beaulé, MD, FRCS; (2) Michael P. Bolognesi, MD Panel: James I. Huddleston, III, MD; Jay R. Lieberman, MD; David J. Mayman, MD; Robert T. Trousdale, MD
10:10 – 10:20 AM	CHARLES A. ENGH, MD COURSE CHAIRMAN'S KEYNOTE LECTURE <i>The Revolution in Digital Instrumentation is Coming to TJA: When Do You Get on the Bandwagon?</i> Introduction: William J. Maloney, III, MD / Presenter: Daniel J. Berry, MD
10:20 – 11:00 AM	SURGICAL DEMONSTRATION <i>Revision THA With a Hypoallergenic Dual Mobility Implant</i> Surgeon: Edwin P. Su, MD / Moderator: Wayne G. Paprosky, MD, FACS
11:00 – 11:06 AM	DISCUSSION OF PREVIOUS SURGICAL CASE / AUDIENCE QUESTIONS Moderators: (1) David G. Lewallen, MD; (2) Michael A. Mont, MD Panel: Michael P. Bolognesi, MD; Edwin P. Su, MD; Don S. Garbuz, MD, MHS, FRCS; Bryan D. Springer, MD
11:07 – 11:12 AM	VIDEO TECHNIQUE Moderator: Robert T. Trousdale, MD <i>Optimizing Use of Acetabular Augments: Optimizing Support, Making Them Fit</i> Presenter: Wayne G. Paprosky, MD, FACS
11:13 – 11:18 AM	<i>How to Put in a Triflange Cup: Getting It on Bone in the Right Orientation</i> Presenter: Michael J. Taunton, MD
11:19 – 11:24 AM	<i>Placing a Fluted Tapered Modular Stem for Periprosthetic Fracture: Keep the Bone Alive: Tips and Tricks</i> Presenter: Matthew P. Abdel, MD
11:25 – 11:35 AM	AUDIENCE QUESTIONS / PANEL DISCUSSION ON REVISION THA TECHNIQUES <i>Nailing the Previous Presenters Down on What They Just Said; Discussion of Other Key Revision Decisions and Techniques</i> Moderators: (1) Robert T. Trousdale, MD; (2) Jay R. Lieberman, MD Panel: Matthew P. Abdel, MD; Wayne G. Paprosky, MD, FACS; Michael J. Taunton, MD
11:35 AM – 12:00 PM	CASE-BASED DISCUSSION: REVISION THA <i>Cases of Bone Loss, Hip Instability, Osteolysis, Metallosis, and More!</i> Moderator: Steven J. MacDonald, MD, FRCS Panel: James A. Browne, MD; Thomas K. Fehring, MD; Thorsten Gehrke, MD; George J. Haidukewych, MD; Stephen Jones, MD
12:00 – 12:05 PM	Break
12:05 – 12:50 PM	INDUSTRY InSITE® (Science, Innovation, Technology, Education) <i>Utilizing Technology to Address Pelvic Tilt</i> Presented by DePuy Synthes Presenters: Charles DeCook, MD; Atul Kamath, MD; Jesse Otero, MD

SATURDAY, DECEMBER 12, 2020**Themes of the Day: 1. Techniques in Revision TKA
2. Infection in THA and TKA**

7:10 – 7:55 AM	INDUSTRY InSITE® (Science, Innovation, Technology, Education) <i>The Use of Technologies for Wound Management Following Hip and Knee Arthroplasty</i> Presented by Ethicon Presenters: Ryan M. Nunley, MD; Michael A. Mont, MD
7:55 – 8:00 AM	Break
8:00 – 8:05 AM	Welcome and Overview Themes of the Day: (1) Techniques in Revision TKA; (2) Infection in THA and TKA Daniel J. Berry, MD, Senior Director, CCJR® Executive Committee
8:05 – 8:45 AM	SURGICAL DEMONSTRATION <i>Revision TKA with Metaphyseal Fixation</i> Surgeon: Robert T. Trousdale, MD / Moderator: Douglas A. Dennis, MD
8:45 – 8:55 AM	DISCUSSION OF PREVIOUS SURGICAL CASE / AUDIENCE QUESTIONS Moderators: (1) Thomas K. Fehring, MD; (2) William G. Hamilton, MD Panel: James A. Browne, MD; Craig J. Della Valle, MD; Robert T. Trousdale, MD
8:55 – 9:05 AM	VIDEO TECHNIQUE <i>How to Use Metaphyseal Cones in Revision TKA: Choosing the Right Cone for the Job, Making It Fit</i> Presenter: David G. Lewallen, MD / Moderator: Thomas K. Fehring, MD
9:05 – 9:30 AM	CASE-BASED DISCUSSION: REVISION TKA <i>Cases of Bone Loss, Instability, Extensor Mechanism Deficiency and More!</i> Moderator: Thomas P. Vail, MD Panel: Jean-Noël Argenson, MD; Douglas A. Dennis, MD; Jay R. Lieberman, MD; Giles R. Scuderi, MD
9:30 – 9:40 AM	KEYNOTE GERARD A. ENGH, MD LECTURE <i>What is Next in Infection: Molecular Testing? Antibiotic Coatings? Phage Therapy?</i> Introduction: Daniel J. Berry, MD / Speaker: Javad Parvizi MD, FRCS
9:40 – 10:20 AM	SURGICAL DEMONSTRATION <i>Resection of Infected TKA With Articulating Antibiotic Spacer and Intramedullary Dowels</i> Surgeon: R. Michael Meneghini, MD / Moderator: Craig J. Della Valle, MD
10:20 – 10:30 AM	DISCUSSION OF PREVIOUS SURGICAL CASE / AUDIENCE QUESTIONS Moderators: (1) Javad Parvizi, MD, FRCS; (2) Matthew P. Abdel, MD Panel: R. Michael Meneghini, MD; Giles R. Scuderi, MD; Rafael J. Sierra, MD
10:30 – 10:45 AM	DEBATE <i>The Best Way to Handle Most Chronically Infected THAs: One vs. Two-Stage Management</i> Moderator: Javad Parvizi, MD, FRCS One-Stage Exchange: – vs. – Two-Stage Exchange: <i>Get it Taken Care of In One Shot!</i> <i>This Works, Why Risk It?</i> Fares S. Haddad, MD (Res), FRCS (Orth) Thomas P. Sculco, MD
10:45 – 10:54 AM	SOUNDING PANEL: PERSPECTIVES ON PREVIOUS DEBATE Moderator: Craig J. Della Valle, MD Panel: Matthew S. Austin, MD; James I. Huddleston, III, MD; Stephen Jones, MD
10:54 – 11:04 AM	TECHNICAL TIPS Moderator: Craig J. Della Valle, MD <i>One-Stage Infection Management: Technical Tips If You Do a One Stage Exchange: Making It Work</i> Presenter: Thomas K. Fehring, MD
11:05 – 11:10 AM	<i>Technical Tips for Hip Spacers: Getting Enough Antibiotics, Avoiding Instability, Fractures and Other Grief</i> Presenter: Don S. Garbuz, MD, MHSc, FRCS
11:10 – 11:40 AM	CASE-BASED DISCUSSION: INFECTION IN THA AND TKA <i>Cases Highlighting How to Manage Acute and Chronic THA and TKA Infections</i> Moderator: Stephen Jones, MD Panel: Michael P. Bolognesi, MD; Thorsten Gehrke, MD; George J. Haidukewych, MD; Michael A. Mont, MD
11:40 – 11:55 AM	BEST QUESTIONS OF THE WEEK <i>A Friendly Competition for Audience Members!</i> Moderators: (1) William J. Maloney, III, MD; (2) Adolph V. Lombardi, Jr., MD, FACS Panel: Jean-Noël Argenson, MD; Robert L. Barrack, MD; Fares S. Haddad, MD (Res), FRCS (Orth); George J. Haidukewych, MD; Steven J. MacDonald, MD, FRCS; Douglas E. Padgett, MD

Continued

11:55AM–12:00 PM	<p>Course Wrap Up Daniel J. Berry, MD, Senior Director, CCJR® Executive Committee</p>
12:00 – 12:05 PM	<p>Break</p>
12:05 – 12:50 PM	<p>INDUSTRY InSITE® (Science, Innovation, Technology, Education) <i>Latest Clinical Evidence of Advanced Incision Management in High Risk Arthroplasty Patients</i> Presented by 3M+KCI</p> <p>Presenters: Carlos Higuera-Rueda, MD: <i>Decreased 90-Day Surgical Site Complication Rates with Closed Incision Negative Pressure Therapy after Revision Knee Arthroplasty: A Randomized Trial</i> H. John Cooper, MD: <i>A Risk-Stratification Algorithm to Reduce Superficial Surgical Site Complications in Primary Hip and Knee Arthroplasty</i></p> <p>Moderator: Janine Hartfield</p>