

The Hip Society | The Knee Society

CCJR[®]

CURRENT CONCEPTS IN JOINT REPLACEMENT

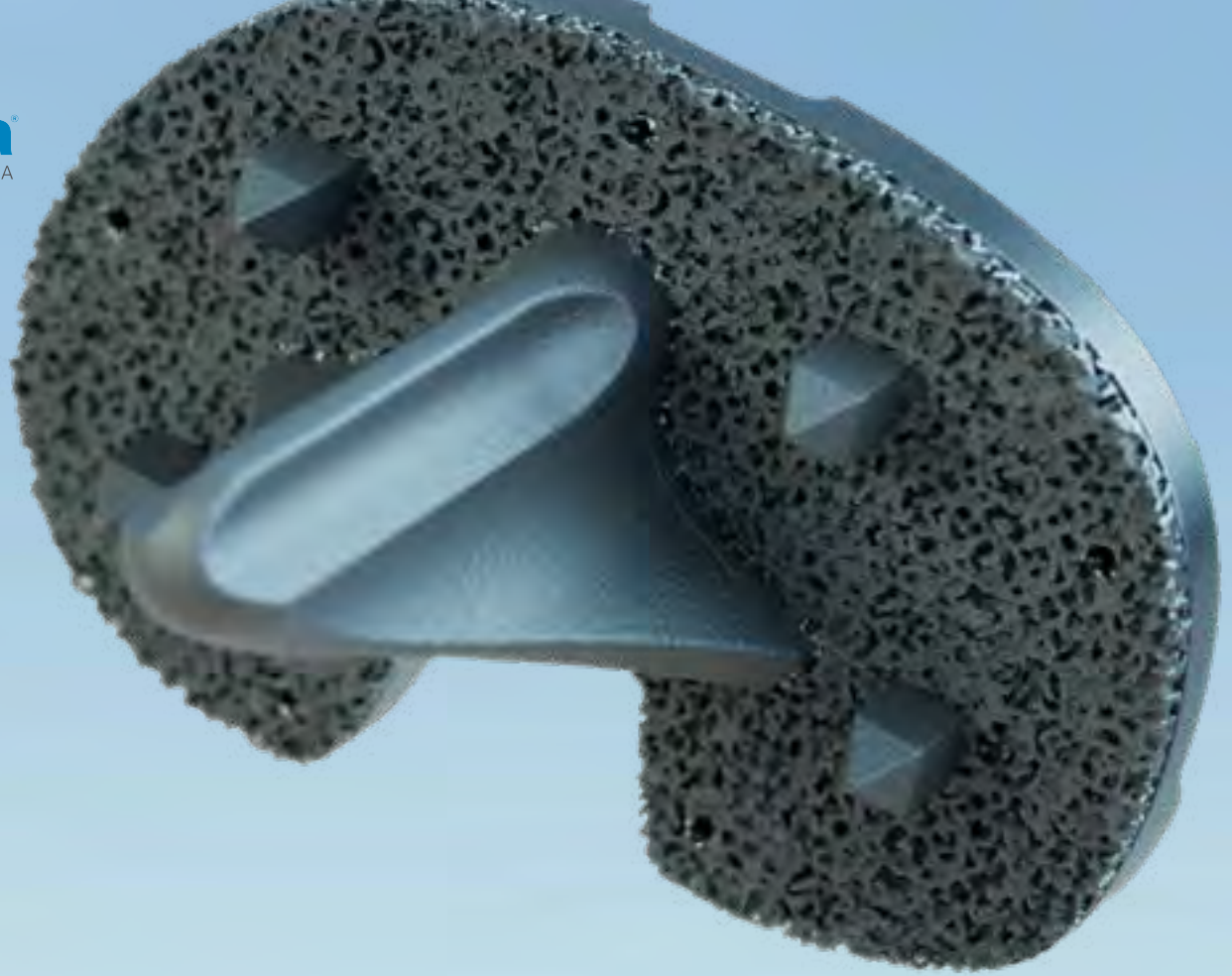
December 13-16, 2023 • Orlando, FL



FINAL PROGRAM

2023





STABLE^{1*} • VERSATILE • ANATOMIC

Persona OsseoTi Keel Tibia: How to Get More Options with Cementless

Faculty: Adolph V. Lombardi Jr., M.D., FACS** & Julius Oni M.D.**

December 14 | 12:40-1PM | Innovation Theater

reserve your seat today



* lab studies not necessarily indicative of clinical performance. **Paid Zimmer Biomet consultants.

1. John Kyle Mueller, et al. Persona OsseoTi Keel Tibia Provides Stable Initial Fixation November 2022. 4027.1-GLBL-en 2. Dai Y, et al. Influence of Ethnicity on Coverage of the Tibia in Total Knee Arthroplasty, Poster No. 1711 presented at ORS Annual Meeting, 2013; San Antonio, TX. 3. Rajgopal A, Aggarwal K, Kumar S. A Five-Year Comparative Functional and Clinical Evaluation of Two Contemporary Cruciate-Retaining Knee Implants. *Arthroplast Today*. 2020;6(3):369-377. Published 2020 Jun 16. doi:10.1016/j.artd.2020.05.009 All content herein is protected by copyright, trademarks and other intellectual property rights, as applicable, owned by or licensed to Zimmer Biomet or its affiliates unless otherwise indicated, and must not be redistributed, duplicated or disclosed, in whole or in part, without the express written consent of Zimmer Biomet. This material is intended for health care professionals. For indications, contraindications, warnings, precautions, potential adverse effects and patient counseling information, see the package insert or contact your local representative; visit www.zimmerbiomet.com for additional product information. ©2023 Zimmer Biomet.

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JOURNEY II ROX[◇]
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with OXINIUM[®] Technology



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References:

1. Smith+Nephew 2022. Optimus TKA Tensioner Gap Assessment Verification Report. Internal Report. 10059269. 2. Smith+Nephew 2021. Tensioner Design Verification Test Report. Internal Report. TR100123.

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LIVE STREAM ACCESS

CCJR 2023 will be streamed live in real time, December 14-16, 2023 according to the US Eastern Standard Time Zone (Orlando, FL).

ALREADY REGISTERED?

Visit www.ccjr.com, click "Live Streaming" then **LOGIN**

TO REGISTER AND GET INSTANT ACCESS, PLEASE CLICK HERE



WELCOME LETTER

Dear Colleagues and Friends, Welcome to CCJR® 2023!

On behalf of the CCJR® Executive and Advisory Committees, and members of The Hip Society and The Knee Society, we are thrilled to once again welcome you to CCJR® (December 13-16, 2023), held at the beautiful Hyatt Regency Grand Cypress, in Orlando, FL.

Three years after The Hip Society and The Knee Society jointly acquired CCJR® from Dr. Greenwald, we are proud and excited to present to you an ever-evolving program featuring 14 pre-recorded live surgeries with real time narration, keynotes, debates, panel discussions, and more – all presented by our unmatched faculty of internationally recognized thought-leaders and educators!

Throughout our time together, we will engage you in a dynamic and exciting program designed to embrace a full spectrum of contemporary topics in arthroplasty. In the course of 2.5 days, we will tackle controversies and discuss cutting-edge techniques and technologies. Our faculty will share with you their tips and tricks, triumphs and challenges, pearls and pitfalls. Our real time live-stream will be available to our remote audiences around the globe.

One enjoyable feature of the meeting will be the opportunity for attendees to spend time socializing together and with the faculty during breaks and during the evenings at the hotel. There will be a reception for all attendees and faculty Thursday evening.

We hope you enjoy your CCJR® 2023 experience, benefit from its programming, and make us your annual destination for the best in arthroplasty education.

We also would like to take this opportunity to offer sincere thanks to our industry partners for their support of CCJR®. Visit www.ccsr.com/ccjr-2023-supporters/ to learn more. In closing, wish you and your families an enjoyable CCJR® experience and a peaceful, happy, and healthy New Year, and hope to see you very soon!



Daniel J. Berry, MD
Senior Director
CCJR® Executive Committee



Adolph V. Lombardi Jr., MD
Deputy Director
CCJR® Executive Committee



Robert L. Barrack, MD
Deputy Director
CCJR® Executive Committee



A. Seth Greenwald, D.Phil. (Oxon)
CCJR® Founder and Emeritus
Director

WELCOME LETTER (CONTINUED)

To maximize your CCJR® experience:

- **ATTEND the course in its entirety:** whether you are with us in-person in Orlando or watching us from afar, the design of CCJR® programming follows a logical and interconnected sequence of topics. You will get the most benefit from CCJR® by attending every fast-paced and engaging session.
- **COMPLEMENT your education with industry-sponsored sessions** presented outside of the CME program* to learn more about the latest advances in science, innovation, and technology! Industry sessions will be presented during lunch time on Thursday and Friday.
- **PARTICIPATE in the “Best Question of the Day” contest!** Questions will be collected daily through Slido platform, credited to the author, and answered by our faculty. In-person and virtual attendees are encouraged to submit their questions. Questions selected for discussion by our panels also will be entered into a drawing to win a FREE registration to attend CCJR® 2024. Good luck!
- **REMEMBER that CCJR® 2023 is presented in US EST/Orlando Time in person and virtually.** If you are attending virtually, make sure you consider the time difference (as applicable to your time zone). If you are a registered attendee and you are unable to join us in real time, you will have the opportunity to watch the CCJR® content on demand within 2 weeks following its conclusion.
- **VISIT the exhibit hall, network, and engage.** The exhibit hall also serves as “The Hub” of CCJR® — a place to meet, interact, connect. Chat with our faculty about their presentations during the preceding sessions, meet other attendees, enjoy refreshments, and learn from our corporate partners about their newest products and solutions.

CURRENT CONCEPTS IN JOINT REPLACEMENT®

CCJR® meetings are proudly presented by
**THE HIP SOCIETY AND
THE KNEE SOCIETY**

Visit www.hipsoc.org or www.kneesociety.org for
the best in arthroplasty education

SAVE THE DATES!

CCJR® 2024
DECEMBER 11-14, 2024
ORLANDO, FL

GENERAL INFORMATION

CME ACCREDITATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Academy of Orthopaedic Surgeons and the Knee Society/Hip Society. The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians. The American Academy of Orthopaedic Surgeons designates this other activity, Knee Society/Hip Society CCJR 2023 Meeting, for a maximum of **18.75 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



ABOUT CURRENT CONCEPTS IN JOINT REPLACEMENT® (CCJR®)

www.ccjr.com

Current Concepts in Joint Replacement® (CCJR) is a premier educational event, and a global arthroplasty forum presented by two esteemed academic organizations: The Hip Society and The Knee Society. CCJR® offers a unique learning format that has contributed to the education of thousands of orthopaedic surgeons around the world over the last three decades. CCJR® faculty consist of contemporary thought-leaders discussing topics related to hip and knee arthroplasty.

ABOUT THE HIP SOCIETY



www.hipsoc.org

The Hip Society was established in 1968, by Frank Stinchfield, MD, as a by invitation only academic society together with twenty elite hip surgeons. The mission of The Hip Society is to advance the knowledge and treatment of hip disorders to improve the lives of our patients.

ABOUT THE KNEE SOCIETY



www.kneesociety.org

The Knee Society was established in 1983, as a forum for intellectual exchange of concepts in total knee arthroplasty. The main initial goal of the founding group was to bring together the scientific information related to total knee arthroplasty. The mission of The Knee Society is to promote outstanding care to patients with knee disorders through innovative research and education.

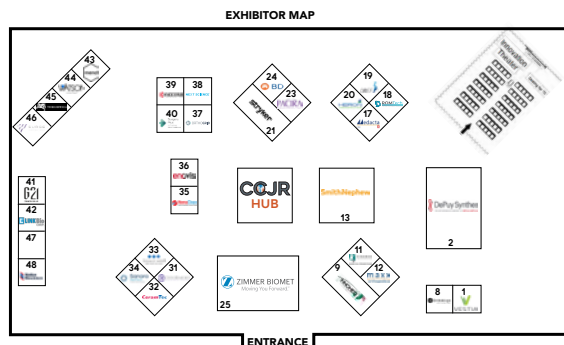
DISCLAIMER

The material presented in this continuing medical education program is being made available by The Hip Society and The Knee Society for educational purposes only. This material is not intended to represent the best or the only methods or procedures appropriate for the medical situations discussed; rather the material is intended to present an approach, view, statement or opinion of the authors or presenters, which may be helpful, or of interest to other practitioners. The attendees agree to participate in this medical education program, organized by The Hip Society and The Knee Society with full knowledge and awareness that they waive any claim they may have against The Hip Society and The Knee Society for reliance on any information presented in this educational program. In addition, the attendees also waive any claim they have against The Hip Society and The Knee Society for injury or other damage that may result in any way from their participation in this program. All proceedings of CCJR® 2023 event, including presentation of scientific content, may not be reproduced in any format or through any media, and all property rights in the material presented, including common-law copyright, are expressly reserved to the presenter, The Hip Society and The Knee Society.

No statement or presentation made during CCJR® 2023 is to be regarded as dedicated to the public domain. Any sound reproduction, transcript or other use of the material presented at this course without the permission of the presenter or The Hip Society and The Knee Society is prohibited to the full extent of common-law copyright in such material. The approval of the U.S. Food and Drug Administration is required for procedures and drugs that are considered experimental. Instrumentation systems discussed and/or demonstrated during CCJR® 2023 may not yet have received FDA approval.

EXHIBITS

Please give our exhibitors and sponsors the time and attention they deserve. Please visit exhibitors during all meal functions.



BADGES

Valid badges are required for everyone entering the CCJR® 2023 designated space, participating in educational events, and partaking of the food and beverage functions. **This includes guests of all ages. This policy will be strictly reinforced.**

PHOTOGRAPHY/VIDEOGRAPHY

Photographs and videos of CCJR® 2023 may be taken throughout the program by authorized staff. By registering for, and attending the events scheduled within the framework of the meeting, participants and their guests agree that their photograph or video may be used by The Hip Society and The Knee Society, in electronic and print promotional materials and other professional communications including web-based publications, without payment or other consideration.

SOCIAL MEDIA INFORMATION

#CCJR2023#THISISCCJR



- www.facebook.com/CCJRmeetings
- www.instagram.com/CCJRmeetings
- www.twitter.com/CCJRMeetings
- www.linkedin.com/company/the-hip-society-the-knee-society

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If you purchased CCJR® apparel, please visit the Registration counter to pick it up.

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Network Name: DPS Knee Solutions
Password: restore23

AUDIENCE ENGAGEMENT

Slido will be used for in-person and virtual audience engagement: polls and audience questions.

Scan the QR code or go to **www.SLIDO.com**

If prompted, enter Event Code **#3914471**

If/when prompted, enter your name

SCAN FOR POLLS AND AUDIENCE QUESTIONS.



CCJR® LEGACY

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



Charles (Charlie) A. Engh, MD pioneered the development of the implant fixation achieved with microporous coatings using sintered metal

beads, an innovation that has changed the nature of joint replacement surgery worldwide. Failures of cemented implants fueled his desire to find another method for implant fixation.



Gerard (Jerry) A. Engh, MD devoted his career to improving the quality of his patients' lives through joint arthroplasty. During the course of his career,

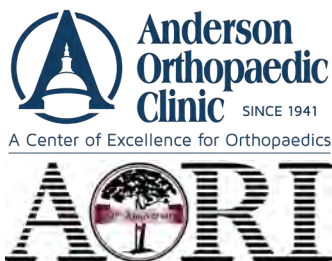
Dr. Engh pioneered research and development of implants for knee replacement. Along with several other Anderson physicians, he implemented a prospective database for tracking the outcomes of knee replacement surgery. Using this information coupled with his surgical experience, Dr. Engh developed the Anderson Orthopaedic Research Institute (AORI) Bone Defect Classification System that many clinicians currently use to describe the extent of bone damage in a knee that requires surgery.



A. Seth Greenwald, D.Phil. (Oxon)
CCJR® Founder and Emeritus Director

Dr. A. Seth Greenwald, founder of the Current Concepts in Joint Replacement® (CCJR®) meetings - the largest independent educational events dedicated solely to joint arthroplasty in the world - has transferred their continuity to The Hip Society and The Knee Society, ensuring that this exceptional course remains independent, objective, and always relevant.

Dr. A. Seth Greenwald is the Director of Orthopaedic Research Laboratories. He is an internationally recognized bio-academician, thought-leader, and educator with more than five decades of experience as a productive researcher in areas of joint biomechanics and artificial implants. He is the Founder and now, Emeritus Director, of the prestigious Current Concepts in Joint Replacement® meetings.



The Hip Society and The Knee Society are grateful to acknowledge the generous support and funding from the Anderson clinic post-graduate medical education foundation that enabled us to carry on the remarkable legacy of CCJR®.

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Adolph V. Lombardi, Jr., MD
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**A. Seth Greenwald,
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CCJR® Founder &
Emeritus Director

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Thank You
to the many members of
The Hip Society and
The Knee Society and
non-member faculty who
contribute to the annual
success of CCJR®

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PRE-COURSE

How and When to Choose Your First Job: Evaluating Practice Opportunities

Wednesday, December 13, 2023
3:00 PM - 6:00 PM | Location: Regency Hall

3:00PM **Welcome:** Giles R. Scuderi, MD
and R. Michael Meneghini, MD

3:05PM **Panel Discussion**
Moderator: R. Michael Meneghini, MD
Panelists: James A. Browne, MD,
Cody Green, MD, Jessica Hooper, MD,
Charles L. Nelson, MD,
George J. Haidukewych, MD

Topics:

- What practice setting is right for you
- Practice models
- ASC migration and best practices
- Work RVUs, Collections, Expenses and contribution margin

3:50PM **Legal Insights: Negotiating Physician
Employment Contracts**
Beth Scarola, JD
Epstein Becker Green Law

4:15PM **Break**

4:25PM **Panel Discussion:** You Have a Job,
What? Succeeding in Practice
Moderator: Giles R. Scuderi, MD
Panelists: Matthew P. Abdel, MD, MS,
Ryan M. Nunley, MD, Jonathan
Dattilo, MD, Elizabeth B. Gausden, MD,
William G. Hamilton, MD

Topics:

- Finding your niche and building your brand
- How to be a good early practice partner
- How to be a good colleague at the hospital
- Life-work balance
- Social media and "podium presence"

5:10PM **5 Ways to Avoid Financial Revision**
Brad Quick, CEPA®
Partner, President & COO

Vestia Personal Wealth Advisors

5:35PM **Open Discussion**

5:50PM **Highlights of the Knee Society |
Highlights of the Hip Society**

6:00PM **Adjourn**

6:00 PM - 7:30 PM **Residents/Fellows
Reception With CCJR® Faculty**

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RECEPTION SPONSOR:



THANK YOU TO THE SESSION SPONSORS:



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PRE-COURSE

LET'S TALK HIPS AND KNEES IN SPANISH: Case-Based Discussion in Spanish

Wednesday, December 13, 2023
1:00PM - 6:00PM | Location: Palm

Lead Faculty: Rafael J. Sierra, MD | Carlos J. Lavernia, MD | Carlos A. Higuera-Rueda, MD

Prepare yourself for a faculty-led case discussion on simple to complex hip and knee arthroplasty cases. This interactive session will be presented in Spanish and is open to all Spanish-speaking surgeons. Bring your tough unresolved cases to Orlando to discuss amongst friends and colleagues. The faculty will present their complex hip and knee cases, with an emphasis on avoiding intraoperative and postoperative complications. Participating in this course will allow you

to bring back high-level recommendations to put into practice upon your return home!

Conversatorio de Casos Clínicos de Cadera y Rodilla

Prepárese para discutir casos de artroplastia de cadera y rodilla de simples a complejos. Esta sesión interactiva será en Español y está abierta a todos los cirujanos. Traiga sus casos difíciles sin resolver para discutir entre amigos y colegas. La facultad presentará sus casos complejos de cadera y rodilla con énfasis en evitar complicaciones intraoperatorias y postoperatorias. ¡Prepárense!

AGENDA

1:00 – 1:05PM	Welcome Carlos Lavernia, MD	4:01 – 5:00PM	World Cup Qualifiers (Round 2) – Case Presentation Competitor: Complex Total Knee Arthroplasty and Revision Carlos Lavernia, MD, Rafael Sierra, MD, Carlos Higuera, MD
1:06 – 2:00PM	World Cup Qualifiers (Round 1) – Case Presentation Competitor: Total Hip Arthroplasty Revision Carlos Lavernia, MD, Rafael Sierra, MD, Carlos Higuera, MD	5:01 – 6:00PM	Let's Talk about Revision Total Knee Arthroplasty – Extensor Mechanism Reconstruction, PJI Treatment and More
2:01 – 3:00PM	Let's Talk about Revision Total Hip Arthroplasty – The Acetabulum: From Removal to Reconstruction	5:01 – 5:30PM	Video Technique and Discussion: Extensor Mechanism Reconstruction Rafael Sierra, MD
2:01 – 2:30PM	Video Technique and Discussion: Removal of an Acetabular Component Rafael Sierra, MD	5:31 – 6:00PM	Evaluation and Treatment of PJI + Bone Reconstruction:
2:31 – 3:00PM	Reconstruction Options – From the Big Guns to the Just Cement and Hardware	5:31 – 5:40PM	Evaluating the Red Knee Carlos Lavernia, MD
2:31 – 2:40PM	Tantalum Augments Use – Tips and Tricks Rafael Sierra, MD	5:41 - 5:50PM	Treatment options for PJI: From DAIR to Stage Revisions Carlos Higuera, MD
2:41 – 2:50PM	Cages – Still Bring Value Carlos Lavernia, MD	5:51 – 6:00PM	Filling the Bone Defects Rafael Sierra, MD
2:51 – 3:00PM	HIRISC Technique: Using Hardware and Cement to Fill the Defect Carlos Higuera, MD	6:00PM	Final Remarks and Adjourn Carlos Lavernia, MD
3:00 – 3:15PM	Break		
3:16 – 4:00PM	Lecture sponsored by LINK®		

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INDUSTRY HIGHLIGHTS

DePuy Synthes – Mobile Lab



Participants will receive a brief case review followed by faculty led hands-on cadaveric revision TKA training. The lab will feature the ATTUNE™ Revision System, the new ATTUNE Revision Cones, KINCISE™ technology, and LPS Limb Preservation System. The lab will focus on efficient surgical workflows, metaphyseal fixation, and fixed bearing and rotating platform solutions.

Non-CME Industry-Sponsored Sessions

Enjoy your lunch as you learn about the latest technology and innovations from our industry partners!

THURSDAY, DECEMBER 14

12:10PM – 12:30PM Lunch and Learn Session

(Innovation Theater inside the Exhibit Hall)

Wound Complication Risks in Hip and Knee Closure and How to Reduce Them – Review With Procedure Video

presented by:

ETHICON

Description: Wound closure technique can impact the success of tissue healing and subsequent risk of wound complication and PJI. This session will review wound closure techniques and their ability to enable positive outcomes. Presented by **Michael Mont, MD.**

Review potential complications of total hip and knee arthroplasty

Identify current best practices in wound closure and care to improve procedure outcomes

Discuss new evidence assessing best practices to minimize complications and infection risk

12:40PM – 1:00PM Lunch and Learn Session

(Innovation Theater inside the Exhibit Hall)

How to Get More Options for Your Knees with Cementless - Introducing the OsseoTi® Cementless Tibia for the Persona® Total Knee System

presented by:



Description: The Persona OsseoTi Keel Tibia is the latest cementless total knee replacement (TKA) within our clinically proven Persona Knee System. The Persona OsseoTi Keel Tibia provides:

Stable*: Stable initial and biological fixation with OsseoTi porous keel design

Versatile: Versatile system allows for selection between cementless and cemented procedures up until final implantation

Anatomic: Anatomic tibia for proper rotation and optimal bone coverage from the clinically proven Persona Knee System^{2,3}.

This interactive educational session will be moderated by **Adolph V. Lombardi, Jr. MD, FACS**, who has extensive experience treating complex primary and revision knee arthroplasty cases and **Julius Oni MD**, who is the Medical Director of Orthopaedics at Johns Hopkins Bayview and Assistant Professor of Orthopaedic Surgery at Johns Hopkins Medicine.

This session will feature interactive discussions and case studies utilizing the Persona OsseoTi Keel Tibia now available in the Persona Knee System. The faculty will discuss the design rationale from a developer's perspective and first case experience implanting from an early evaluator. This interactive session will allow questions from the audience throughout the program.

1:05PM – 1:55PM Industry Spotlight

(Innovation Theater inside the Exhibit Hall)

Proper Use of Legal Entities for Lawsuit Protection and Tax Reduction

presented by:



Description: Legally Mine will show you how to stop the threat of lawsuits before they ever get started by protecting your assets in time tested and proven legal structures. These same structures allow us to help our tax attorneys save what you would normally pay in income taxes. These are little known tax helps that have significant case history and have stood the test of time. Presented by **Gary Harker.**

Upon completion of this presentation, the attendees will know how to:

1. Maintain the focus of their medical practice on improved patient care rather than malpractice defense.
2. Structure their practices for lawsuit protection and prevention, improving overall operations management of the practice.
3. Protect practice and professional assets from lawsuits through applied risk management techniques, improving and enhancing fiscal efficiency.
4. Understand basic practice management tools that can help increase practice revenue as well as decrease unnecessary loss of revenue also improving and enhancing fiscal efficiency.

* lab studies not necessarily indicative of clinical performance.

1. John Kyle Mueller, et al. Persona OsseoTi Keel Tibia Provides Stable Initial Fixation November 2022. 4027.1-GLBL-en

2. Dai Y, et al. Influence of Ethnicity on Coverage of the Tibia in Total Knee Arthroplasty. Poster No. 1711 presented at ORS Annual Meeting; 2013; San Antonio, TX.

3. Rajgopal A, Aggarwal K, Kumar S. A Five-Year Comparative Functional and Clinical Evaluation of Two Contemporary Cruciate-Retaining Knee Implants. Arthroplast Today. 2020;6(3):369-377. Published 2020 Jun 16. doi:10.1016/j.artd.2020.05.009

INDUSTRY HIGHLIGHTS (CONTINUED)

FRIDAY, DECEMBER 15

1:10PM – 1:50PM Industry Spotlight
(Innovation Theater inside the Exhibit Hall)

Striving for the Forgotten Knee through Advanced Technologies and Patient-Specific Techniques

presented by:



Description: Discover the latest innovations in knee arthroplasty, including medial stabilized constructs, cementless technologies and robotics. Gain insights into the unique kinematic differences in medial stabilized constructs and the benefits of cementless technology for biological fixation. Unlock the art of patient-specific techniques with robotics while mastering the challenges with adopting new technology. Join us for a session that promises innovation and expertise. Presented by **Douglas Dennis, MD, William Jiranek, MD, Ryan Nunley, MD and Robert Trousdale, MD**

Review the kinematic differences between Medial Stabilized, Medial Pivot & Medial Constrained TKA designs.

Understand the evolution of the press-fit vs cemented TKA debate. Explore the selection criteria for patients suitable for cementless constructs and the role of technology in this shift.

Examine the advantages of robotics in TKA application to achieve balance through patient specific techniques.

Review the potential pitfalls in robotic utilization and how to mitigate these challenges.

Assess how the Attune™ patella femoral articulation can accommodate for variation in femoral implant placement.

3:40PM – 3:50PM Industry Focused Presentation
(Innovation Theater inside the Exhibit Hall)

ERAS 2.0 - The Next Generation of Perioperative Care

presented by:



Description: The Upgrade Digital program by Mend is a next-generation ERAS approach that utilizes personalized precision care pathways pre and post-operatively to coach and monitor the patient through best-in-class evidence-based protocols. The program encompasses a triple aim approach of acting as an extension of your

practice to improve patient outcomes and drive an additional revenue stream.

Enhanced recovery protocols, commonly called ERAS, have shown reduction in length of stay, reduction in complication rates, decrease in opioid usage and improved outcomes (e.g. return to function).

Preoperatively the program uses a multidimensional preparedness approach, optimizing nutrition, reducing modifiable risk factors, and capturing PROMs. Post operatively the program executes multidimensional monitoring and coaching to achieve best possible post surgical quality of life: surveillance for medical or surgical complications, benchmarking for key functional outcomes, pain management and opioid sparing protocols, foundational improvements in nutrition status and nutrition behaviors and patient-reported outcome measures. Presented by **Eziah Syed, MBA, CEO Mend.**

DePuy Synthes Reception at CCJR® 2023

Please join us for light hors d'oeuvres
and refreshments at the
DePuy Synthes Customer Reception.

Reception sponsored by



Friday, December 15
6:30PM – 8:00PM

Windsong Fountain Lawn

CCJR Badges Required.

ART MEETS ORTHOPEDICS: Celebrating 20 years of BIOLOX® delta

Join us for an
artist's portrayal of
20 years of success and visit
CeramTec at Booth #32



DAILY SCHEDULE

The Hip Society | The Knee Society



CURRENT CONCEPTS IN JOINT REPLACEMENT

Hyatt Grand Cypress | Orlando, FL

2023



TIMES ARE LISTED IN US EASTERN STANDARD TIME (EST)

WEDNESDAY, DECEMBER 13

12:00PM – 7:00PM CHECK-IN | BADGE PICK-UP | ON-SITE REGISTRATION

1:00PM – 6:00PM FREE PRE-COURSE: LET'S TALK HIPS AND KNEES IN SPANISH Location: Palm
Presented in Spanish to Spanish-Speaking Attendees; Registration Required

3:00PM – 6:00PM FREE PRE-COURSE: HOW AND WHEN TO CHOOSE YOUR FIRST JOB: EVALUATING PRACTICE OPPORTUNITIES Location: Regency Hall
Designed for Senior Residents and Fellows; Registration Required

6:00PM – 7:30PM RESIDENTS/FELLOWS RECEPTION WITH CCJR® FACULTY Exhibit Hall
This Reception is only for Residents, Fellows, and CCJR® Faculty, and Industry Partners

THURSDAY, DECEMBER 14

6:30AM – 7:25AM BREAKFAST IN THE EXHIBIT HALL | VISIT EXHIBITS

GENERAL SESSION ROOM: Windsong

7:30AM – 7:35AM Welcome and Opening Remarks Daniel J. Berry, MD

SESSION I **INFECTIOIN: OUR SINGLE BIGGEST UNSOLVED PROBLEM**

7:35AM – 9:30AM

Moderator 1: Bryan D. Springer, MD
Moderator 2: Carlos A. Higuera-Rueda, MD

7:35AM Infection: Our Unsolved Problem Daniel J. Berry, MD

7:41AM Diagnosis of Infection — The Latest Algorithms: When to Use Molecular Tests Craig J. Della Valle, MD

7:48AM DEBATE: DAIR VS. DOUBLE DAIR FOR ACUTE INFECTION: BATTLE OF THE BRITISH ACCENTS

Moderator: Bryan D. Springer, MD

DAIR: One Operation is Enough Fares S. Haddad, MD

Double DAIR: Two is Twice as Good! Henry D. Clarke, MD

8:03AM How to Do a Good DAIR Procedure William A. Jiranek, MD

8:10AM DEBATE: THE 1.5 STAGE PROCEDURE: REASONABLE MIDDLE GROUND OR THE MOST MISGUIDED IDEA EVER?

Moderator: Bryan D. Springer, MD

1.5 Stage: In Favor Michael P. Bolognesi, MD

Good One-Stage or Two-Stage, But Not Half-Way Matthew P. Abdel, MD

8:25AM SURGICAL CASE 1: INCISION, DRAINAGE, DEBRIDEMENT WITH SPECIALIZED TOOLS, BIOFILM SOLUBILIZING IRRIGATION, AND IMPLEMENTATION OF ARTICULATING SPACER.

Moderator: Craig J. Della Valle, MD | **Surgeon:** David Crawford, MD

8:45AM How I Do a Good One-Stage: Technical Tips/Video Thorsten Gehrke, MD

8:51AM How I Do a Good Two-Stage: Technical Tips With Emphasis On Spacers Mathias P.G. Bostrom, MD

8:57AM Infection Prevention: Which Steps are Actually Worth Taking? Javad Parvizi, MD

9:03AM What Would You Do in This Case? 3 Rapid Fire Infection Cases Presented to Panel by Moderator

Moderator: Thomas K. Fehring, MD

Panel: Antonia F. Chen, MD • Henry D. Clarke, MD • Craig J. Della Valle, MD • Thorsten Gehrke, MD • William A. Jiranek, MD
Javad Parvizi, MD

THURSDAY, DECEMBER 14 (CONTINUED)

9:18AM	Panel Discussion and Audience Questions Moderator: Bryan D. Springer, MD Panel: Matthew P. Abdel, MD • Daniel J. Berry, MD • Michael P. Bolognesi, MD • Mathias P.G. Bostrom, MD • Henry D. Clarke, MD David Crawford, MD • Craig J. Della Valle, MD • Thorsten Gehrke, MD • Fares S. Haddad, MD • William A. Jiranek, MD • Javad Parvizi, MD	
9:30AM – 10:00AM	BREAK IN THE EXHIBIT HALL MEET FACULTY IN THE HUB	
10:00AM – 12:00PM	SESSION II PRIMARY TKA—THE BIG QUESTIONS: ALIGNMENT, INDICATIONS, FIXATION, BEARING SURFACE CONFIGURATION Moderator 1: Robert L. Barrack, MD Moderator 2: Antonia F. Chen, MD	
10:00AM	KEYNOTE: The Main Options for Knee Alignment Targets in 2023: Pros And Cons of Each	Mark W. Pagnano, MD
10:08AM	DEBATE: DO WE HAVE ENOUGH INFORMATION TO CONFIDENTLY USE UNCEMENTED TKA IN ROUTINE PRACTICE? Moderator: Robert L. Barack, MD The Default Should Be Uncemented in Most Patients The Default Should Be Cemented Implants in the Great Majority of Patients	R. Michael Meneghini, MD Steven B. Haas, MD
10:23AM	SURGICAL CASE 2: CEMENTLESS TKA IS POISED TO BECOME THE GOLD STANDARD FOR FIXATION Moderator: Christopher L. Peters, MD Surgeon: Adolph V. Lombardi, Jr., MD	
10:43AM	The Bearing Surface Configuration: Structured Questions to Advocates of Each with Audience Participation Moderator: Robert L. Barrack, MD Posterior Substituting Advocate Posterior Cruciate Retaining Advocate Medial Stabilized Advocate Ultra Congruent Advocate	Panel: Giles R. Scuderi, MD William A. Jiranek, MD Robert T. Trousdale, MD Michael P. Bolognesi, MD
10:58AM	DEBATE: ALMOST ALL PATELLAE SHOULD BE RESURFACED Moderator: Robert L. Barrack, MD Affirm Oppose	Steven J. MacDonald, MD Michael A. Mont, MD
11:13AM	SURGICAL CASE 3: A NOVEL FEMORAL COMPONENT DESIGNED FOR UNRESTRICTED KINEMATIC ALIGNMENT Moderator: Keith R. Berend, MD Surgeon: Stephen M. Howell, MD	
11:33AM	DEBATE: BILATERAL SIMULTANEOUS TKA IS SAFE, COST-EFFECTIVE, AND SHOULD BE USED IN SELECTED PATIENTS Moderator: Robert L. Barrack, MD Affirm Oppose	Thomas P. Vail, MD Jay R. Lieberman, MD
11:48AM	Panel Discussion and Audience Questions Moderator: Robert L. Barrack, MD Panel: Michael P. Bolognesi, MD • Steven B. Haas, MD • Stephen M. Howell, MD • William A. Jiranek, MD • Jay R. Lieberman, MD Adolph V. Lombardi, Jr., MD • Steven J. MacDonald, MD • Michael A. Mont, MD • R. Michael Meneghini, MD • Mark W. Pagnano, MD Giles R. Scuderi, MD • Robert T. Trousdale, MD • Thomas P. Vail, MD	
12:00PM – 2:00PM	LUNCH IN THE EXHIBIT HALL NON-CME INDUSTRY-SPONSORED-SESSIONS	Exhibit Hall
12:10PM - 12:30PM	LUNCH & LEARN 1 Wound Complication Risks in Hip and Knee Closure and How to Reduce Them – Review With Procedure Video Presented by: Ethicon	
12:40PM - 1:00PM	LUNCH & LEARN 2 How to Get More Options for Your Knees With Cementless - Introducing The Osseoti® Cementless Tibia For The Persona® Total Knee System Presented by: Zimmer Biomet	
1:05PM - 1:55PM	INDUSTRY SPOTLIGHT Proper Use of Legal Entities for Lawsuit Protection and Tax Reduction Presented by: Legally Mine	

THURSDAY, DECEMBER 14 (CONTINUED)

SESSION III

COMPLEX PRIMARY TKA; MANAGING COMPLICATIONS OF TKA

2:00PM – 3:30PM

Moderator 1: Giles R. Scuderi, MD

Moderator 2: Carlos J. Lavernia, MD

2:00PM **KEYNOTE:** Activity After THA and TKA: What Should We Tell Our Patients in 2023 With Modern Fixation and Bearings? Carlos A. Higuera-Rueda, MD

2:07PM Oh No! What Now? Managing Common Intraoperative Complications in TKA
I "Disrupted" the MCL • I "Disrupted" the Patellar Tendon • I Have a Medial Condyle Fracture
Moderator: Giles R. Scuderi, MD
Panel: Francesco Benazzo, MD • Keith R. Berend, MD • Ronald E. Delanois, MD • Douglas A. Dennis, MD • Steven B. Haas, MD

2:22PM **SURGICAL CASE 4: IMPROVING YOUR ACCURACY AND ENHANCING STABILITY OF YOUR THA WITH IMPROVED NAVIGATION**
Moderator: Don S. Garbuz, MD | **Surgeon:** George Haidukewych, MD

2:42PM **Case Discussion Session with Audience Participation: Complex TKA**
Moderator: Douglas A. Dennis, MD
Panel: Ronald E. Delanois, MD • C. Anderson Engh, Jr., MD • Steven B. Haas, MD • Carlos J. Lavernia, MD • Rafael J. Sierra, MD

2:42PM **Case:** Prior ACL Surgery Douglas A. Dennis, MD

2:48PM My Top Tips and Tricks for TKA After ACL Surgery Steven B. Haas, MD

2:52PM **Case:** Extraarticular Bone Deformity Douglas A. Dennis, MD

2:58PM My Top Tips and Tricks for TKA In Extra Articular Deformity C. Anderson Engh, Jr., MD

3:02PM **SURGICAL CASE 5: BALANCING AND ALIGNING YOUR THA WITH A COMBINED VERSION APPROACH**
Moderator: Mark W. Pagnano, MD | **Surgeon:** Rafael J. Sierra, MD

3:22PM Panel Discussion and Audience Questions
Moderator: Giles R. Scuderi, MD
Panel: Francesco Benazzo, MD • Keith R. Berend, MD • Ronald E. Delanois, MD • Douglas A. Dennis, MD • C. Anderson Engh, Jr., MD • Steven B. Haas, MD • George J. Haidukewych, MD • Carlos A. Higuera-Rueda, MD • Carlos J. Lavernia, MD • Rafael J. Sierra, MD

3:30PM – 4:00PM BREAK IN THE EXHIBIT HALL | MEET FACULTY IN THE HUB

SESSION IV

NEW TECHNOLOGY IN TOTAL KNEE ARTHROPLASTY

4:00PM – 5:30PM

Moderator 1: James A. Browne, MD

Moderator 2: Ronald E. Delanois, MD

4:00PM **SURGICAL CASE 6: ROBOTIC TKA COMBINED WITH A REAL-TIME TENSOR TO EFFECTIVELY BALANCE THE RECONSTRUCTION**
Moderator: Douglas A. Dennis, MD | **Surgeon:** Steven B. Haas, MD

4:20PM **DEBATE: ROBOTICS ALLOWS YOU TO DO A BETTER TKA, HAS LIMITED DOWNSIDES, AND SHOULD BE USED ROUTINELY IN PRIMARY TKA**
Moderator: James A. Browne, MD
Affirm Fares S. Haddad, MD
Oppose Javad Parvizi, MD

4:35PM **SURGICAL CASE 7: ROBOTIC TKA CAN BE PERFORMED EFFICIENTLY**
Moderator: Matthew P. Abdel, MD | **Surgeon:** Robert T. Trousdale, MD

4:55PM **DEBATE: TECHNOLOGY WILL MOSTLY ELIMINATE THE 15%-20% OF UNSATISFIED PATIENTS IN TKA**
Moderator: James A. Browne, MD
Affirm Antonia F. Chen, MD
Oppose Robert L. Barrack, MD

5:10PM Panel Discussion and Audience Questions
Moderator: James A. Browne, MD
Panel: Matthew P. Abdel, MD • Robert L. Barrack, MD • Antonia F. Chen, MD • Steven B. Haas, MD • Fares S. Haddad, MD • Stephen B. Murphy, MD • Javad Parvizi, MD • Robert T. Trousdale, MD

5:25PM **Best Question of The Day / Announcements** Robert L. Barrack, MD • Adolph V. Lombardi, Jr., MD

5:30PM - 6:00PM **POSTER SESSION**

6:00PM - 7:30PM **HAPPY HOUR IN THE EXHIBIT HALL**

FRIDAY, DECEMBER 15

6:30AM – 7:25AM BREAKFAST IN THE EXHIBIT HALL | VISIT EXHIBITS

7:30AM – 7:32AM Welcome and Daily Announcements Daniel J. Berry, MD

SESSION V OUTPATIENT SURGERY AND UNICOMPARTMENTAL ARTHROPLASTY

7:32AM – 9:30AM

Moderator 1: Mark W. Pagnano, MD

Moderator 2: David J. Mayman, MD

7:32AM **KEYNOTE:** How to Think About Data in Total Joint Arthroplasty: Interpretation and Skepticism Are Key: Common Pitfalls James A. Browne, MD

7:39AM Patient Selection and Optimization for Outpatient Surgery Keith R. Berend, MD

7:46AM Unique Operative Concerns in The ASC Environment: Safety and Efficiency Adolph V. Lombardi, Jr., MD

7:53AM Management of The Outpatient Surgery Patient After Discharge Matthew S. Austin, MD

8:00AM Is Outpatient Arthroplasty Safe? What Do The Data Say? Scott M. Sporer, MD

8:07AM DEBATE: UNIS ARE GREAT AND IF ANYTHING WE SHOULD BE DOING MORE

Moderator: Mark W. Pagnano, MD

Affirm

Anders Troelsen, MD

Oppose

Thomas K. Fehring, MD

8:22AM SURGICAL CASE 8: CEMENTLESS MEDIAL UKA: TIPS AND TRICKS BASED ON 10 YEARS OF EXPERIENCE

Moderator: Anders Troelsen, MD | **Surgeon:** Christopher A. F. Dodd, MD

8:42AM DEBATE: ALL UNICOMPARTMENTAL KNEE ARTHROPLASTIES SHOULD BE DONE WITH A ROBOT

Moderator: Mark W. Pagnano, MD

Affirm

Robert L. Barrack, MD

Oppose

Craig J. Della Valle, MD

8:57AM Panel on Controversies in UKA with Illustrative Cases
Best Uni Fixation? • Uni in ACL-Deficient Knee? • Lateral Unis? • Mobile versus Fixed Bearing? • How Important is Patellofemoral Joint Status?

Moderator: William G. Hamilton, MD

Panel: Keith R. Berend, MD • C. Anderson Engh, Jr., MD • David J. Mayman, MD • Mark W. Pagnano, MD • Anders Troelsen, MD

9:12AM What is the Role of Patellofemoral Arthroplasty in 2023? Sebastien Parratte, MD, PhD

9:19AM Panel Discussion and Audience Questions

Moderator: Mark W. Pagnano, MD

Panel: Matthew S. Austin, MD • Robert L. Barrack, MD • Keith R. Berend, MD • James A. Browne, MD • Craig J. Della Valle, MD

Christopher A. F. Dodd, MD • Thomas K. Fehring, MD • Adolph V. Lombardi, Jr., MD • David J. Mayman, MD

Sebastien Parratte, MD, PhD • Scott M. Sporer, MD • Anders Troelsen, MD

9:30AM – 10:00AM BREAK IN THE EXHIBIT HALL | MEET FACULTY IN THE HUB

SESSION VI PERIOPERATIVE MANAGEMENT OF THA AND TKA PATIENTS AND CLINICAL CHALLENGES

10:00AM - 12:00PM

Moderator 1: Adolph V. Lombardi, Jr., MD

Moderator 2: Jeremy M. Gililand, MD

10:00AM **KEYNOTE:** Dental Prophylaxis after THA and TKA: Rethinking the Paradigm Bryan D. Springer, MD

10:07AM Outpatient Wearable Sensors in THA and TKA: Is This the Future?
How Can They Help My Clinical Practice Now? Christopher L. Peters, MD

10:13AM **CONFIRM OR DENY: CONTROVERSIES IN PERIOPERATIVE MANAGEMENT AND DECISION MAKING IN PRIMARY THA AND TKA**

Moderator: Daniel J. Berry, MD

Panel: Michael P. Bolognesi, MD • James A. Browne, MD • Fares S. Haddad, MD • Robert T. Trousdale, MD

10:31AM SURGICAL CASE 9: DA THA IN PATIENT WITH A LONG SPINE FUSION EXECUTED WITH THE ASSISTANCE OF AN AI-BASED FLUOROSCOPIC NAVIGATION SYSTEM

Moderator: David J. Mayman, MD | **Surgeon:** Jeremy M. Gililand, MD

10:51AM How to Manage the High Risk Venous Thromboembolism Patient after THA/TKA in 2023 Jay R. Lieberman, MD

FRIDAY, DECEMBER 15 (CONTINUED)

10:57AM	The One Question That Keeps Me Up at Night Is... Moderator: Adolph V. Lombardi, Jr., MD Panel: Matthew P. Abdel, MD • David G. Lewallen, MD • Michael A. Mont, MD • Douglas E. Padgett, MD	
11:15AM	THA In The Very Young Patient	Christopher L. Peters, MD
11:21AM	DEBATE: DIRECT ANTERIOR VS. POSTERIOR APPROACH FOR PRIMARY THA: NOW THAT THE DUST HAS SETTLED, WHERE ARE WE? Moderator: Adolph V. Lombardi, Jr., MD Direct Anterior Is Best Posterior Is Best	William G. Hamilton, MD Don S. Garbuz, MD
11:36AM	Technical Tips for Direct Anterior Approach to Avoid Complications	Jeremy M. Gililland, MD
11:42AM	Technical Tips for Posterior Approach to Avoid Complications	David J. Mayman, MD
11:48AM	Panel Discussion and Audience Questions Moderator: Adolph V. Lombardi, Jr., MD Panel: Don S. Garbuz, MD • Jeremy M. Gililland, MD • William G. Hamilton, MD • Jay R. Lieberman, MD • Christopher L. Peters, MD Bryan D. Springer, MD • Edwin P. Su, MD	

12:00PM – 2:00PM LUNCH IN THE EXHIBIT HALL | NON-CME INDUSTRY-SPONSORED SESSION

1:10-1:50PM INDUSTRY SPOTLIGHT

Striving for the Forgotten Knee through Advanced Technologies and Patient-Specific Techniques
Presented by: **DePuy Synthes**

SESSION VII

PRIMARY THA: OPERATIVE DECISIONS AND NEW TECHNOLOGY

2:00PM - 3:30PM

Moderator 1: Steven J. MacDonald, MD
Moderator 2: Edwin P. Su, MD

2:00PM	DEBATE: CEMENTED VS. UNCEMENTED THA IN THE OLDER PATIENTS Moderator: Steven J. MacDonald, MD Use Cemented Femoral Fixation: It Has Lowest Complication Rate Use Uncemented Femoral Fixation: It Works Well and You Know How to Do It	Matthew S. Austin, MD Craig J. Della Valle, MD
2:15PM	DEBATE: COLLARED VS. COLLARLESS TRIPLE TAPERED STEMS IN PRIMARY THA Moderator: Steven J. MacDonald, MD Use Collarless: The Best Long Term Track Record Use Collared: Avoid Early Complications	Mystery debater to be revealed Mystery debater to be revealed
2:30PM	SURGICAL CASE 10: A STRAIGHTFORWARD ANTERIOR APPROACH WITH AN IMPLANT SYSTEM THAT ALLOWS FOR SEAMLESS TRANSITION FROM CEMENTLESS TO CEMENTED THA. Moderator: William G. Hamilton, MD Surgeon: Christopher L. Peters, MD	
2:50PM	DEBATE: IS IT ALREADY TIME TO CONSIDER ROBOTIC THA? (HSS VS. HSS!) Moderator: Steven J. MacDonald, MD Affirm Oppose	David J. Mayman, MD Douglas E. Padgett, MD
3:05PM	DEBATE: DUAL MOBILITY: OVERUSED IN PRIMARY THA OR NOT USED ENOUGH? Moderator: Steven J. MacDonald, MD Overused Not Used Enough	Javad Parvizi, MD Ryan M. Nunley, MD
3:20PM	Panel Discussion and Audience Questions Moderator: Steven J. MacDonald, MD Panel: Matthew S. Austin, MD • Daniel J. Berry, MD • Craig J. Della Valle, MD • David J. Mayman, MD • Ryan M. Nunley, MD Douglas E. Padgett, MD • Javad Parvizi, MD • Christopher L. Peters, MD	

3:30PM - 4:00PM BREAK IN THE EXHIBIT HALL | MEET FACULTY IN THE HUB | NON-CME INDUSTRY-SPONSORED SESSION

3:40PM - 3:50PM FOCUSED PRESENTATION

Eras 2.0 - The Next Generation of Perioperative Care
Presented by: **MEND**

FRIDAY, DECEMBER 15 (CONTINUED)

SESSION VIII

COMPLEX PRIMARY THA AND MANAGEMENT OF COMPLICATIONS OF THA

4:00PM - 5:30PM

Moderator 1: David G. Lewallen, MD

Moderator 2: Elizabeth B. Gausden, MD

4:00PM **Oh No! Now What? Managing Common Intra Operative Complications in THA**

I Reamed Through the Medial Wall • The Hip Is Unstable After I Put in the Implants • Best Live Question From the Audience

Moderator: David G. Lewallen, MD

Panel: Stephen B. Murphy, MD • Wayne G. Paprosky, MD • Edwin P. Su, MD • Anders Troelsen, MD

4:15PM **THE PRESIDENTIAL TOWN HALL: The Big Questions in THA and TKA with Audience Participation and Talking Heads**

Moderator: William G. Hamilton, MD

Presidential Candidates: 1st Vice President of The Knee Society: Henry D. Clarke, MD

1st Vice President of The Hip Society: Don S. Garbuz, MD

2nd Vice President of AAHKS: R. Michael Meneghini, MD

Talking Heads Assessment of Debate: Robert L. Barrack, MD • Adolph V. Lombardi, Jr., MD

4:30PM **SURGICAL CASE 11: A MONOBLOCK TAPERED SPLINE STEM CAN MAKE COMPLEX PRIMARY THA SIMPLE**

Moderator: Robert T. Trousdale, MD | **Surgeon:** J. Bohannon Mason, MD

4:50PM **Case Discussion Session with Audience Participation: Complex THA**

Moderator: Robert T. Trousdale, MD

Panel: Elizabeth B. Gausden, MD • Michael A. Mont, MD • Stephen B. Murphy, MD • Rafael J. Sierra, MD

4:50PM **Case:** Complex Primary THA: Development Hip Dysplasia

Robert T. Trousdale, MD

4:56PM My Tips and Tricks for THA in DDH

Rafael J. Sierra, MD

5:00PM **Case:** Complex Primary THA: Conversion THA for Failed Intertrochanteric Fracture

Robert T. Trousdale, MD

5:06PM My Tips and Tricks for Conversion THA for Failed IT Fracture.

Elizabeth B. Gausden, MD

5:10PM Panel Discussion and Audience Questions

Moderator: David G. Lewallen, MD

Panel: Henry D. Clarke, MD • Don S. Garbuz, MD • Elizabeth B. Gausden, MD • J. Bohannon Mason, MD • R. Michael Meneghini, MD

Michael A. Mont, MD • Stephen B. Murphy, MD • Wayne G. Paprosky, MD • Edwin P. Su, MD • Rafael J. Sierra, MD

5:20PM **Best Question of The Day / Best Poster Awards**

Robert L. Barack, MD • Adolph V. Lombardi, Jr., MD

5:25PM **Announcement of the Engh Awards**

C. Anderson Engh, Jr., MD

5:40PM **FIRESIDES CHATS:** Small Group Detailed Case-Based Discussions with Faculty

Please join the group you pre-selected during your registration. Check your badge for the Breakout Session number.

6:30PM-8:00PM **DePuy Synthes Customer Reception**

Location: Windsong Fountain Lawn

SATURDAY, DECEMBER 16

6:45AM - 7:25AM **BREAKFAST OUTSIDE** (weather permitting)

Family members are welcome to attend; registration is required.

7:30AM - 7:32AM Welcome and Daily Announcements

Daniel J. Berry, MD

SESSION IX

REVISION THA AND OPERATIVE MANAGEMENT OF COMPLICATIONS OF THA

7:32AM - 9:30AM

Moderator 1: Christopher L. Peters, MD

Moderator 2: Charles L. Nelson, MD

7:32AM **KEYNOTE:** A Look to The Future: How Our Field is Evolving and What It Means for Future Practice

Thomas P. Vail, MD

7:39AM **Case Discussions Session with Audience Participation: Revision THA**

Moderator: C. Anderson Engh, Jr., MD

Panel: Mathias P.G. Bostrom, MD • Gijs van Hellemond, MD • William A. Jiranek, MD • Stephen Jones, MD

David G. Lewallen, MD • Wayne G. Paprosky, MD

7:39AM **Case:** Challenging Femoral Component Removal

C. Anderson Engh, Jr., MD

7:45AM My Video Tips and Tricks for Well Fixed Femoral Component Removal

William A. Jiranek, MD

7:49AM My Video Tips and Tricks for ETO

Wayne G. Paprosky, MD

7:53AM **Case:** Acetabular Bone Loss

C. Anderson Engh, Jr., MD

7:59AM My Video Tips and Tricks for Jumbo Cups

Mathias P.G. Bostrom, MD

8:03AM My Video Tips and Tricks for Augments

David G. Lewallen, MD

8:07AM My Video Tips and Tricks for Custom Triflange Cup

Gijs van Hellemond, MD

8:11AM **Case:** Femoral Bone Loss

C. Anderson Engh, Jr., MD

8:17AM My Video Tips and Tricks for Modular Fluted Tapered Stem

Stephen Jones, MD

SATURDAY, DECEMBER 16 (CONTINUED)

8:21AM SURGICAL CASE 12: REVISION THA WITH A MID-LENGTH TAPERED SPLINE STEM
Moderator: Robert L. Barrack, MD | **Surgeon:** David J. Mayman, MD

8:41AM DEBATE: MODULAR VS. NON-MODULAR TAPERED FLUTED FEMORAL COMPONENTS FOR ROUTINE REVISION SURGERY
Moderator: Christopher L. Peters, MD
 Non-Modular Steven J. MacDonald, MD
 Modular David G. Lewallen, MD

8:56AM Case Discussion Session with Audience Participation: Instability and Periprosthetic Fractures
Moderator: Scott M. Sporer, MD
Panel: Thomas K. Fehring, MD • Jeremy M. Gililland, MD • George J. Haidukewych, MD • Stephen Jones, MD

8:56AM **Case:** Chronic Instability After THA Scott M. Sporer, MD
 9:02AM My Tips and Tricks for Instability Stephen Jones, MD
 9:06AM **Case:** Vancouver B1 Periprosthetic Fracture Scott M. Sporer, MD
 9:12AM My Tips and Tricks for Vancouver B1 Fractures George J. Haidukewych, MD
 9:16AM **Case:** Vancouver B2/B3 Periprosthetic Fracture Scott M. Sporer, MD
 9:22AM My Tips and Tricks for Revising B2/B3 Cases Jeremy M. Gililland, MD
 9:26AM Panel Discussion and Audience Questions
Panel: Mathias P.G. Bostrom, MD • Thomas K. Fehring, MD • Jeremy M. Gililland, MD • Gijs van Hellemond, MD
 George J. Haidukewych, MD • William A. Jiranek, MD • Stephen Jones, MD • David G. Lewallen, MD • Steven J. MacDonald, MD
 Wayne G. Paprosky, MD • Christopher L. Peters, MD • Thomas P. Vail, MD

9:30AM - 10:00AM BREAK

SESSION X REVISION TKA AND OPERATIVE MANAGEMENT OF COMPLICATIONS OF TKA
10:00AM-11:50AM Moderator 1: Michael P. Bolognesi, MD | **Moderator 2:** Douglas A. Dennis, MD

10:00AM SURGICAL CASE 13: REVERSE THA WILL BE COMING YOUR WAY
Moderator: Steven J. MacDonald, MD | **Surgeon:** Adolph V. Lombardi, Jr., MD

10:20AM Case Discussion Session with Audience Participation: Revision TKA
Moderator: Carlos J. Lavernia, MD
Panel: David G. Lewallen, MD • Charles L. Nelson, MD • Ryan M. Nunley, MD • Rafael J. Sierra, MD

10:20AM **Case:** Challenging Implant Removal Carlos J. Lavernia, MD
 10:26AM My Tips and Tricks for Well Fixed Cone Removal Charles L. Nelson, MD
 10:30AM **Case:** Tibial Bone Loss Carlos J. Lavernia, MD
 10:36AM My Tips and Tricks for Cones David G. Lewallen, MD
 10:40AM My Tips and Tricks for Sleeves Ryan M. Nunley, MD
 10:44AM **Case:** Femoral Bone Loss Carlos J. Lavernia, MD
 10:50AM My Tips and Tricks to Manage Bone Loss with Cones and Diaphyseal Impaction Grafting Rafael J. Sierra, MD

10:54AM SURGICAL CASE 14: SOLVING THE LIGAMENOUSLY CHALLENGED REVISION TKA WITH A HINGE
Moderator: Elizabeth B. Gausden, MD | **Surgeon:** Bryan D. Springer, MD

11:14AM Case Discussion Session with Audience Participation: Stiffness and Periprosthetic Fractures
Moderator: Henry D. Clarke, MD
Panel: Elizabeth B. Gausden, MD • George J. Haidukewych, MD • R. Michael Meneghini, MD • Charles L. Nelson, MD

11:14AM **Case:** Chronic Stiffness After TKA Henry D. Clarke, MD
 11:20AM My Tips and Tricks for Operative Management of The Stiff TKA Charles L. Nelson, MD
 11:24AM **Case:** Distal Femoral Periprosthetic Fracture Henry D. Clarke, MD
 11:30AM My Tips and Tricks for Distal Femoral Replacement for Distal Femur Periprosthetic Fracture Elizabeth B. Gausden, MD
 11:34AM My Tips and Tricks for Internal Fixation for Distal Femur Periprosthetic Fracture George J. Haidukewych, MD
 11:38AM Panel Discussion and Audience Questions
Moderator: Michael P. Bolognesi, MD
Panel: Elizabeth B. Gausden, MD • George J. Haidukewych, MD • David G. Lewallen, MD • Adolph V. Lombardi, Jr., MD
 R. Michael Meneghini, MD • Charles L. Nelson, MD • Ryan M. Nunley, MD • Rafael J. Sierra, MD • Bryan D. Springer, MD

11:50AM Best Question of the Week Robert L. Barrack, MD • Adolph V. Lombardi, Jr., MD

11:55AM Farewell Daniel J. Berry, MD

12:00PM ADJOURN



CCJR® 2023 CORPORATE SUPPORTERS

THE HIP SOCIETY AND THE KNEE SOCIETY GRATEFULLY ACKNOWLEDGE THE FOLLOWING INDUSTRY PARTNERS FOR THEIR CONTINUED SUPPORT OF THE CCJR 2023.

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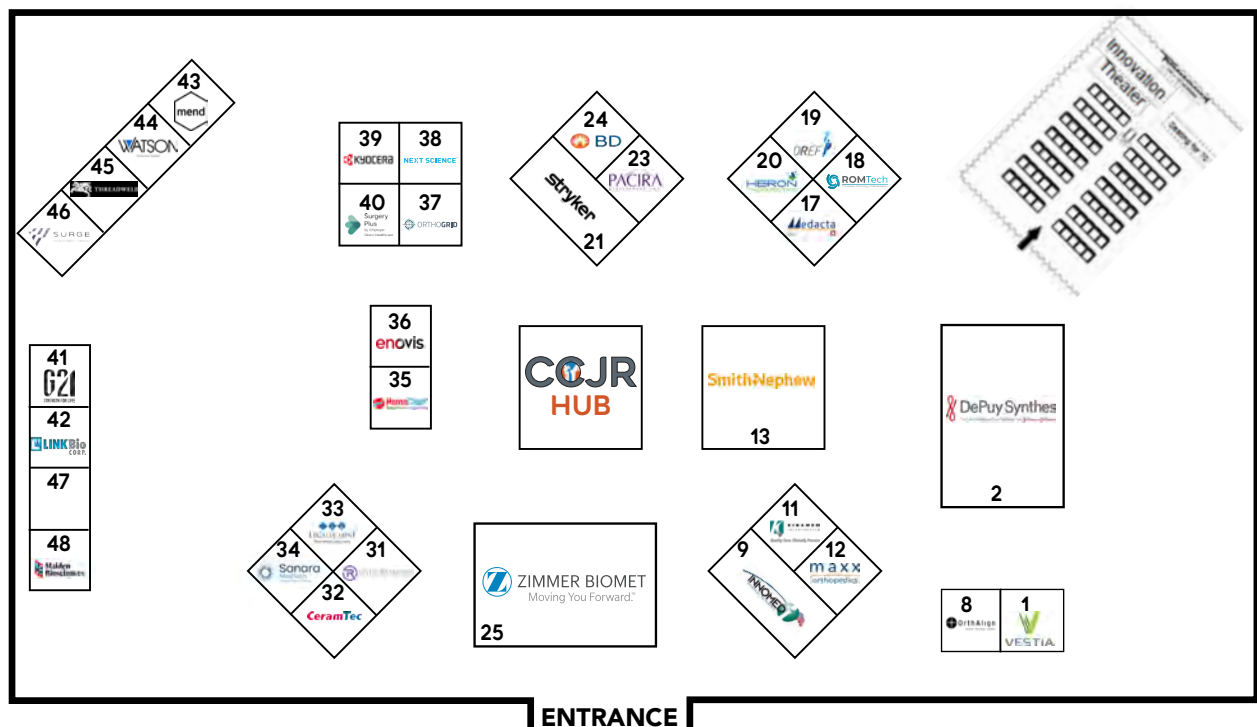


EXHIBITORS

Exhibit Dates and Hours

WEDNESDAY, DECEMBER 13	
6:00PM – 7:30PM	Reception for Residents, Fellows, and CCJR® Faculty
THURSDAY, DECEMBER 14	
6:30AM – 7:25AM	Breakfast in the Exhibit Hal
9:30AM – 10:00AM	Break Visist the Exhibit Hall Meet Faculty in the Hub
12:00PM – 2:00PM	Lunch in the Exhibit Hall
3:30PM – 4:00PM	Break Visit the Exhibit Hall Meet Faculty in the Hub
6:00PM - 7:30PM	Happy Hour in the Exhibit Hall for all attendees
FRIDAY, DECEMBER 15	
6:30AM – 7:25AM	Breakfast in the Exhibit Hal
9:30AM – 10:00AM	Break Visist the Exhibit Hall Meet Faculty in the Hub
12:00PM – 2:00PM	Lunch in the Exhibit Hall
3:30PM – 4:00PM	Break Visit the Exhibit Hall Meet Faculty in the Hub
6:30PM - 8:00PM	DePuy Synthes Customer Reception for all attendees. Please RSVP HERE

Exhibitor Map | Grand Cypress Ballroom





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Website: www.ceramtec-medical.com, www.biolo.com, www.densilox.com
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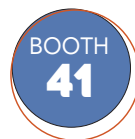
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Website: www.jnjmedtech.com/en-US/companies/depu-synthes



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Website: www.herontx.com



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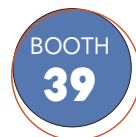
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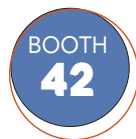
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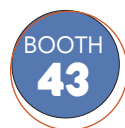
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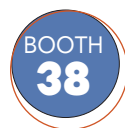
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Website: www.mend.me



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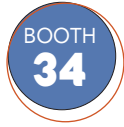
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#	Title	Presenting Author
P-1	The Utility of Leukocyte Esterase Test in The Diagnosis of Culture Negative PJI	David Rodriguez, MD
P-2	Synovial Fluid Absolute Neutrophil Count a Promising Marker for Diagnosing Periprosthetic Joint Infection	David Rodriguez, MD
P-3	Paramount Efficacy of Intra-Articular Antibiotics Infusion: Sustained High Concentration for Effective Treatment of Chronic Culture Negative and Polymicrobial Periprosthetic Joint Infection with Single Stage Revision	Wenbo Mu, MD, PhD
P-4	Analysis Of Synovial Fluid WBC Count and Polymorphonuclear Percentage After Single-Stage Revision and DAIR With Topical Antibiotics Infusion for Periprosthetic Hip and Knee Joint Infection	Wenbo Mu, MD, PhD
P-5	Withdrawn	
P-6	Robotic Assisted Total Hip Arthroplasty: An Analysis of Peri-Operative and Post-Operative Complications Related to The Robotic-Assisted Part Of Total Hip Arthroplasty.	Austin B. Kloc, MD
P-7	Synovial Barium and Zirconium Ions Are Promising Markers for Aseptic Loosening	Aleksander P. Mika, MD
P-8	Trends In Volume and Utilization of Medicare Arthroplasty Procedures: The Effect Of COVID-19	Alexander Acuna, MD
P-9	Next Generation Sequencing Test for Diagnosing Periprosthetic Joint Infections Not Affected by Premature Antibiotic Administration	Alisina Shahi, MD, PhD
P-10	Onodera's Prognostic Nutritional Index a Valuable Measure in Predicting Complications After TKA	Alisina Shahi, MD, PhD
P-11	Robotic-Assisted Total Knee Arthroplasty: An Analysis of Peri-Operative and Post-Operative Complications	Alexander W. Mettler, MD
P-12	Decreased "Polarity" is associated with Instability after THA regardless of Hip-Spine Classification: A new method to assess Functional Combined Version on Lateral Seated Radiographs	Alex J. Anatone, MD
P-13	Early Greater Trochanteric Avulsion Fracture as A Complication of Posterior Approach Primary Total Hip Arthroplasty	Alex J. Anatone, MD
P-15	Early Clinical and Economic Outcomes of Velys Robotic Assisted Solution (VRAS) For Total Knee Arthroplasty	Andrew C. O'Reilly, DO
P-16	Medical And Recreational Cannabis State Laws Impact on Trends in Postoperative Opioid Prescriptions in TJA Patients	Anna K. Michalowski, MD
P-17	Effect Of Preoperative Corticosteroids on Postoperative Glucose Control in Total Joint Arthroplasty	Steven S. Denyer, MD
P-18	Body Mass Index Does Not Drive the Risk for Postoperative Instability After Total Hip Arthroplasty: A Matched Cohort Analysis	E. Bailey Terhune, MD
PP-20	A Comparison of Nutritional Indices in Total Joint Arthroplasty: Which Is Better at Predicting Adverse Outcomes?	Brian K. Hansen, B.S
P-21	Hospital-Based Outpatient Total Joint Arthroplasty and The Impact on Time to Discharge	Brendan J. Comer, MD
P-22	Peripheral Nerve Blocks Are Associated with Decreased Early Medical Complications, Dislocations, And Opioid Consumption Following Total Hip Arthroplasty	Brian P. McCormick, MD
P-23	The Experience of Manual Primary Total Knee Arthroplasty and Mako Robotic-Arm Assisted System Improved the Initial Learning Curve ROSA Robotic-Arm System.	Chun Yen Chen, MD
P-24	Withdrawn	
P-25	Outcomes Following Total Hip Arthroplasty: Should We Wait for Bone-On-Bone Arthritis?	Sonia K. Chandi, MD
P-26	A Comparison of Postoperative Outcomes Between Supine and Lateral Patient Positioning in Total Hip Arthroplasty Using the Anterior Based Muscle Sparing (ABMS) Surgical Approach	Carl L. Herndon, MD
P-27	The Epidemiology and Outcomes of Intraoperative Fractures During Primary Total Knee Arthroplasty	Sonia K. Chandi, MD

CCJR® 2023 POSTERS (CONTINUED)

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#	Title	Presenting Author
P-28	Does The Amount of Noise Generated Differ Between Manual and Robotic TJA?	Conor Jones, MD
P-29	Impact of Travel Distance on Primary Total Hip Arthroplasty	Conor Jones, MD
P-30	High Rate of Unplanned Reoperation for Interprosthetic Femur Fractures After Total Hip and Knee Arthroplasty	Francesca R. Coxe, MD
P-31	Risk Factors for Corrosion-Related Revision Surgery Following Total Hip Arthroplasty with High-Risk Metal-On-Polyethylene Implants	Danielle P. Destiny, B.S.
P-32	Dialysis-Dependent Patients Undergoing Total Joint Arthroplasty Are at Increased Readmission and Five-Year Mortality Risk: A Propensity Matched Analysis Based on Chronic Kidney Disease Stage	David L. Novikov, MD
P-33	Restoration Of Mechanical Lateral Distal Femoral Angle in Kinematic TKA Leads to Highest Outcomes	Paul Van Schuyver, MD
P-34	C. Difficile Infection Prior To Total Hip Arthroplasty Independently Increases the Risk Of PJI	David G. Deckey, MD
P-35	Lower Perioperative Complication Rates and Shorter Length of Hospital Stays in Technology Assisted Total Knee Arthroplasty Vs Conventional Instrumentation in Primary Total Knee Arthroplasties	Dennis J. Vanden Berge, MD
P-36	Withdrawn	
P-37	Surgical Approach Does Not Influence Instability Risk in Revision Total Hip Arthroplasty	Devon R. Pekas, MD, MS
P-38	Dysplastic Hips That Are Too Late for PAO Are Not Too Early for Total Hip Arthroplasty	Emily A. Treu, MD
P-39	Can Robots Keep You Upright?: An Ergonomic Analysis Of Surgeon Posture In Robotic Versus Conventional Total Knee Arthroplasty	Eric M. Mason, MD
P-40	Efficacy Of Liposomal Bupivacaine Adductor Canal Block Vs. Continuous Ropivacaine Infusion in Total Knee Arthroplasty	Eric M. Mason, MD
P-41	The Fate of the DAIR: Outcomes of DAIR At One Year: A Large Database Study	Michael E. Esantsi, MD
P-42	Excellent Results of Large-Diameter Ceramic-On-Ceramic Bearing in Total Hip Arthroplasty at Minimum Ten Years Follow-Up	Gautier J. Beckers, MD
P-43	Postoperative Outcomes of Total Knee Arthroplasty in Patients with Hemophilic Knee Arthropathy – A Prospective Study	Gautier J. Beckers, MD
P-44	Pharmacological Components of Intraoperative Periarticular Infiltration: A Review	Gavin King, BSc
P-45	Projections Of Unicompartmental Knee Arthroplasty in Medicare Patients From 2030 – 2050	Gireesh B. Reddy, MD
P-46	What Are the Statistical Groupings of Biopsychosocial Factors Associated with Level of Capability and Pain Intensity In Patients With Hip Pain At Baseline And Over Time?	George E. Sayegh, B.S.
P-47	Preoperative Symptoms of Depression Are Associated with Worse Capability 6-Weeks And 6-Months After Total Hip Arthroplasty for Osteoarthritis	George E. Sayegh, B.S.
P-48	Are Culture-Negative Two-Stage Exchange Arthroplasties Associated with Inferior Treatment Success?	George R. Kolettis, MD
P-49	Different Trends in Antibiotic Cement Use in Total Knee Arthroplasty with Different Guidelines	Gloria S. Coden, MD
P-50	Withdrawn	
P-51	Withdrawn	
P-52	The Impact of Surgeon Experience on Intra-Operative Performance Metrics and Patient Outcomes in Primary Total Hip Arthroplasty.	Daniel J. Howgate, MBChB, BSc(Hons) PhD, FRCS (Tr&Orth)
P-53	A CT-Based Study Investigating the Associations Between Coronal Plane Alignment and Gender on Distal Femoral Geometry.	Daniel J. Howgate, MBChB, BSc(Hons) PhD, FRCS (Tr&Orth)
P-54	Cost And Outcomes of Total Joint Arthroplasty in Medicare Beneficiaries Are Not Meaningfully Associated with Industry Payments	Harsh Wadhwa, MD
P-55	Penicillin Allergy Delabeling in Patients with Forthcoming Total Knee Arthroplasty and Total Hip Arthroplasty. A Retrospective Trial.	Artsiom Igorevich Abialeovich, MD
P-56	Neutral Mechanical Alignment Results in Elevated LCL Strain with Deformation: A Cadaveric Study	Joseph Kitchen, MD
P-57	The Covid Pandemic Caused Permanent Changes to The Rates of Same Day Discharge in Primary Hip and Knee Arthroplasty	Joseph P. Barbera, MD

CCJR® 2023 POSTERS (CONTINUED)

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#	Title	Presenting Author
P-58	Periprosthetic Tibia Fractures Following Total Knee Arthroplasty Are Associated with High Mortality Rates	Jae Won F. Yang, MD
P-59	Failed Metal on Metal Total Hip Replacements: A Comprehensive Review	Josue G. Layuno-Matos, BA
P-60	Do Patients Prefer One TKA Polyethylene Over Another? A Comparison of Patients with A Highly Congruent Insert in One Knee Versus A Cruciate-Retaining in The Other	John D. Higgins, MD
P-61	Do Outcomes Differ After Medial Unicompartmental Knee Arthroplasty Based on Indications? A Prospective Cohort Study	John D. Higgins, MD
P-62	National Trends of Cemented and Uncemented Total Knee Arthroplasty: 2016-2021	Gloria S. Coden, MD
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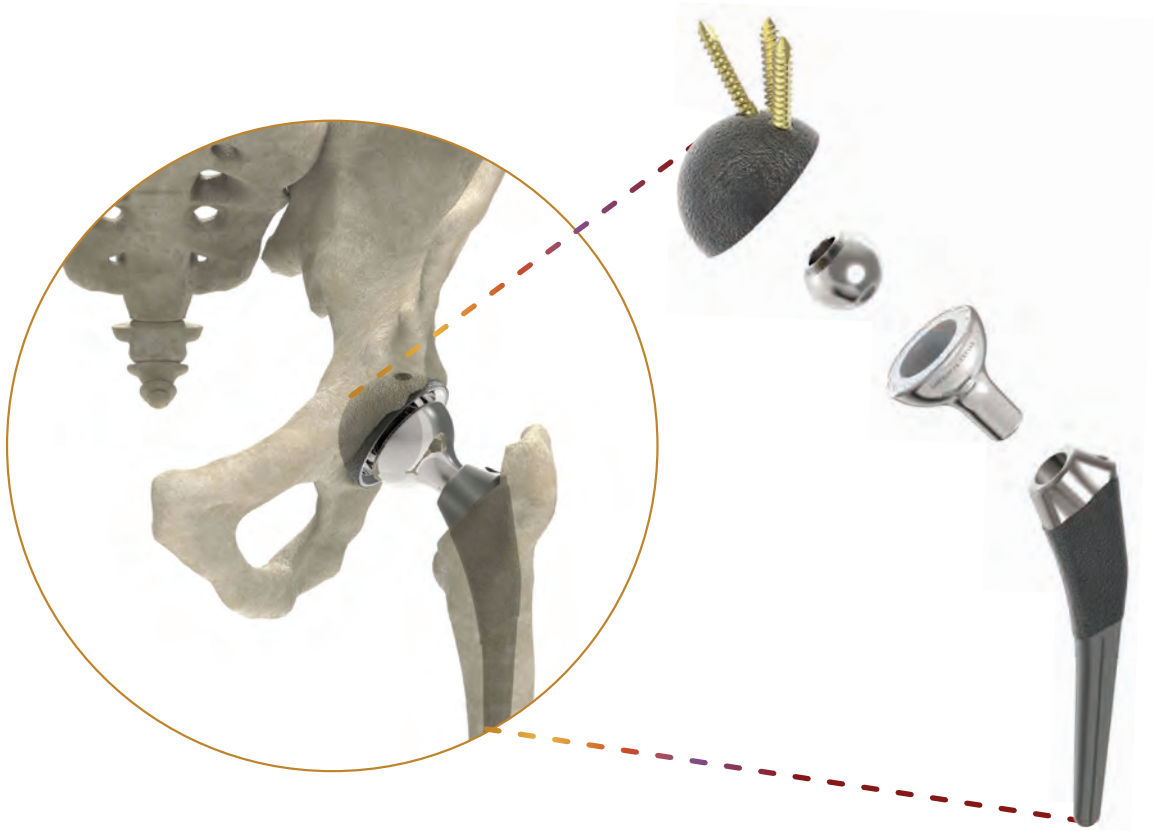


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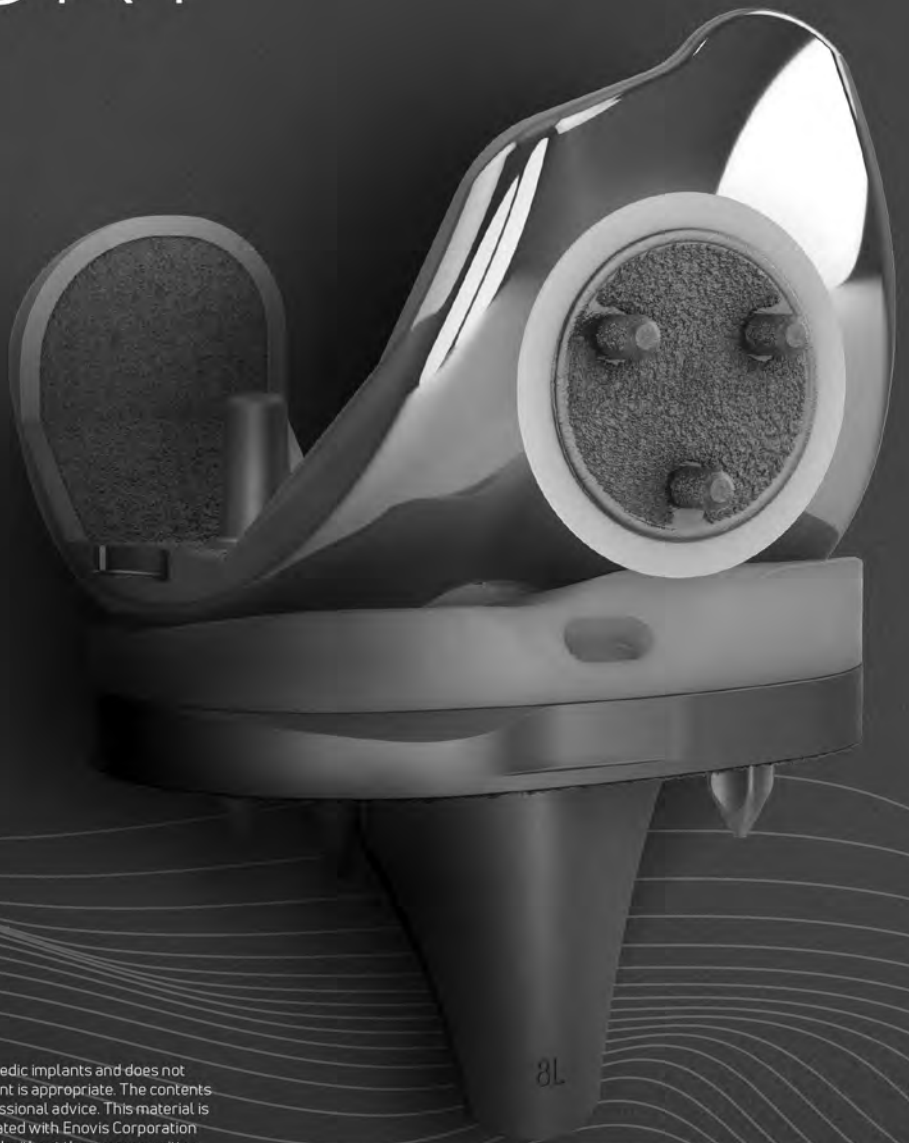
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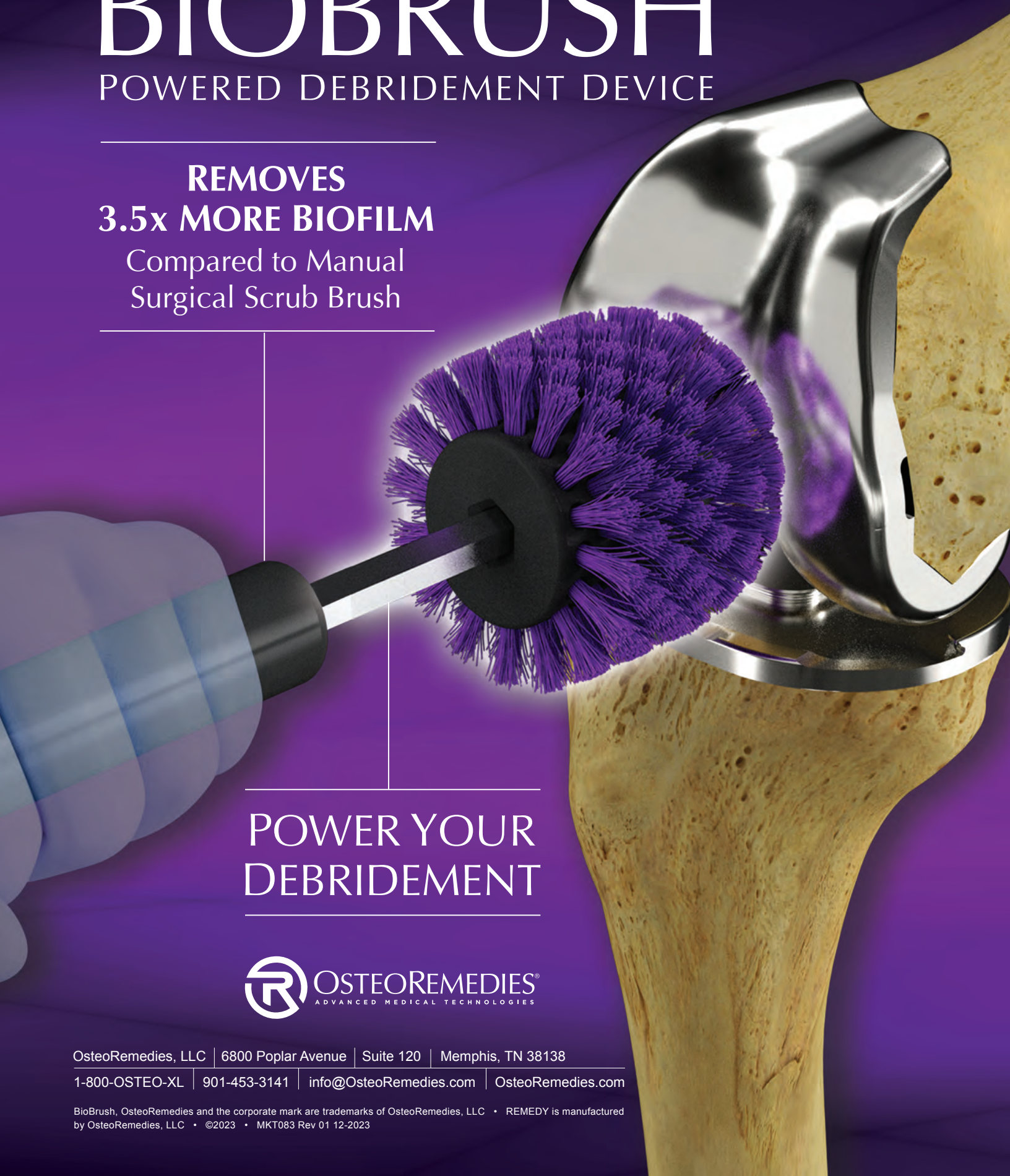
¹ Koo, S. and Andriacchi, T. "The knee joint center of rotation is predominantly on the lateral side during normal walking." *Journal of biomechanics* vol. 41,6 (2008):1269-73.

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