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AGENDA

Robotics and Digital Surgery Summit

Friday, September 29, 2023
7:00 am – 8:30 pm EST

Saturday September 30, 2023
7:00 am – Noon EST

Location
JW Marriott Grande Lakes | 4040 Central Florida Parkway | Orlando, FL 32837

Course Description

This course will provide a comprehensive learning experience focused on the latest innovation in robotic assisted knee arthroplasty and navigation in hip arthroplasty. The course will be facilitated by expert faculty who will lead participants in learning how enabling technologies can address current challenges in arthroplasty. The course will consist of didactic sessions, guided case-based discussions, hands on simulations and bioskills training sessions.

Course Objectives

By the end of this course, participants will be able to:

- Identify the principals of robotics and their application in knee arthroplasty
- Understand how the CORI® surgical system accomplishes preference in alignment philosophy
- Evaluate and implement the latest technologies to promote positive patient outcomes

Participant Profile

- Joint Replacement surgeons and HCPs with interest in surgical robotics, navigation and enabling technologies for hip and knee arthroplasty
- Advanced English language

Course Chairs

Course Chair - Knee
Thorsten Seyler, MD
Associate Professor
Division of Adult Reconstruction
Director, Adult Reconstruction Fellowship
Duke University
Durham, NC

Course Chair - Hip
Prof. Edward Davis
Consultant Arthroplasty Surgeon and
Clinical Service Lead for Arthroplasty,
The Royal Orthopaedic Hospital
NHS Foundation Trust
Birmingham, United Kingdom

US Faculty

Joseph Burkhardt, DO
Bronson Healthcare
Battle Creek, MI

Jaime Carvajal, MD
University of Miami
Miami, FL

Aric Christal, MD
Edmonds Orthopedic Center
Edmonds, WA

Fred Cushner, MD
Hospital for Special Surgery
New York, NY

Steven Haas, MD
Hospital for Special Surgery
New York, NY

George Haidukewych, MD
Orlando Health
Orlando, FL

Steven Nishiyama, DO
Desert Orthopaedic Center
Las Vegas, NV

Ran Schwarzkopf, MD
NYU Langone
New York, NY

Bradford Waddell, MD
Carrell Clinic
Dallas, TX

International Faculty

Douglas Naudie, MD
University of Western Ontario
Ontario, Canada

Mr. Dinesh Nathwani
Imperial Healthcare NHS Trust and
Cleveland Clinic
London, United Kingdom

Day 1 | Friday, September 29, 2023

	Opening Session	Faculty	Location
7:00 am	Breakfast Registration		Valencia Terrace Palazzo Foyer D-E
8:00 am	Welcome and introduction	Thorsten Seyler, MD Prof. Edward Davis	Palazzo E-H
Session I	**Where Are We With Technology and Implant Design in 2023?**	**Moderator:** Steven Haas, MD	
8:15 am	Is knee implant design enough?	Steven Haas, MD	
8:25 am	Is hip implant innovation the the solution to instability?	George Haidukewych, MD	
8:35 am	Low tech, high tech - is there still a role for PSI?	Fred Cushner, MD	
Session II	**Let's Talk Tech**	**Moderator:** Prof. Edward Davis	
8:45 am	Navigation vs. robotics....tell us the difference!	Prof. Edward Davis	
9:00 am	Panel Discussion: The value of technology in arthroplasty	Prof. Edward Davis Thorsten Seyler, MD Mr. Dinesh Nathwani	
Session III	**Raising The Standard**		
9:15 am	Should robotic UKA be the standard of care?	Mr. Dinesh Nathwani	
9:25 am	JOURNEY◊ II medial congruency and CORI◊ - the perfect marriage!	Ran Schwarzkopf, MD	
9:35 am	**Break**		
Session IV	**Philosophical Approaches to Knee Arthroplasty; Definition, Debate and Delivery**	**Moderator:** Douglas Naudie, MD	
10:05 am	Defining mechanical alignment	Fred Cushner, MD	
10:15 am	Defining kinematic alignment	Steven Nishiyama, DO	
10:25 am	Defining functional alignment	Thorsten Seyler, MD	
10:35 am	Use of robotics and AI for personalized planning	Steven Nishiyama, DO	
10:45 am	Panel: Discussing and debating delivery	Thorsten Seyler, MD Douglas Naudie, MD Steven Nishiyama, DO Fred Cushner, MD	
Session V	**A Solution For Modern Challenges in THA**	**Moderator:** Ran Schwarzkopf, MD	
10:57 am	Why do we still see dislocations in modern THA: A primer to pelvic planes, radiographs and classification	Jaime Carvajal, MD	
11:05 am	Understanding the spinopelvic relationship and component orientation in THA	Ran Schwarzkopf, MD	
11:13 am	How advanced simulation can help to determine component position in THA	Bradford Waddell, MD	
11:20 am	Video: Moderated RI.HIP surgical video	Bradford Waddell, MD Prof. Edward Davis Ran Schwarzkopf, MD Jaime Carvajal, MD	
11:35 am	**Lunch and change into scrubs**		Valencia Terrace

Day 1 Continued | Friday, September 29, 2023

Session VI	**Bioskills Lab and Simulation Breakouts**			
12:35 pm	Bioskills lab (group A+B)	CORI® Planner simulation breakout (group C)		Del Lago 1-2
		RI.HIP MODELER simulation breakout (group D)		Segura 3-4
1:20 pm	**Break**	**Group C&D Switch**		
1:50 pm		CORI Planner simulation breakout (group D)		Del Lago 1-2
		RI.HIP MODELER simulation breakout (group C)		Segura 3-4
3:05 pm	Bioskills lab (group C+D)	CORI Planner simulation breakout (group A)		Del Lago 1-2
		RI.HIP MODELER simulation breakout (group B)		Segura 3-4
3:50 pm	**Break**	**Group A&B Switch**		
4:20 pm		CORI Planner simulation breakout (group B)		Del Lago 1-2
		RI.HIP MODELER simulation breakout (group A)		Segura 3-4
5:00 pm	**Adjourn**			
6:30-8:30 pm	**Group Dinner**			Fairways Lawn

Day 2 | Saturday, September 30, 2023

7:00 am	Breakfast Registration		Valencia Terrace Palazzo Foyer D-E
8:00 am	Review and objectives	Thorsten Seyler, MD Prof. Edward Davis	Palazzo E-H
Session I	**A Technology Solution to Understand Soft Tissue**	**Moderator:** Thorsten Seyler, MD	
8:15 am	Understanding and optimizing the use of imageless robotic system	Thorsten Seyler, MD	
8:25 am	Digital Tensioner: What's the real value?	Aric Christal, MD	
8:35 am	Gap assessment: Full arc of motion versus 0 & 90 degrees	Steven Haas, MD	
8:45 am	Live Demo: Pre-cut gap assessment using a novel tensioner	Aric Christal, MD Steven Nishiyama, DO Steven Haas, MD Thorsten Seyler, MD	
Session II	**Rethinking Revisions**		
9:00 am	Panel Discussion: The value of robotic-assisted revision arthroplasty	Jaime Carvajal, MD Steven Nishyiama, DO Steven Haas, MD Douglas Naudie, MD	
9:15 am	Video Demo: Robotic-assisted revision knee	Thorsten Seyler, MD Steven Nishiyama, DO Jaime Carvajal, MD	

Day 2 Continued | Saturday, September 30, 2023

9:45 am	**Break**	
Session III	**CORI Beyond the OR**	**Moderator:** Steven Nishiyama, DO
10:15 am	Transitioning your practice to the ASC setting	Aric Christal, MD
10:25 am	Potential impacts of AI in the patient care continuum	Steven Nishiyama, DO
10:35 am	How CORI® efficiency helps in the outpatient setting	Aric Christal, MD
10:45 am	Leveraging robotic surgery to differentiate myself and my practice	Bradford Waddell, MD
10:50 am	The rise of robots in joint replacement- Building my robotics program	Jaime Carvajal, MD
Session IV	**Can We Reach a Consensus?**	**Moderator:** Thorsten Seyler, MD
10:55 am	Why I made the move to adopt technology and the learning curve	Douglas Naudie, MD
11:05 am	Do you use technology all the time, or just sometimes	Jaime Carvajal, MD
11:15 am	Myth Buster: Image-free THA is not accurate enough to satisfy my needs!	Prof. Edward Davis
11:25 am	CORI: Execution of personalized hip plan to compliment the surgery of the century	George Haidukewych, MD
Session V	**We Are Just Getting Started**	
11:35 am	Fireside Chat: Where are we going in 2030	Douglas Naudie, MD Thorsten Seyler, MD Prof. Edward Davis Mr. Dinesh Nathwani Jaime Carvajal, MD Steven Nishiyama, DO
11:55 am	Closing remarks	Thorsten Seyler, MD Prof. Edward Davis
12:00 pm	**Lunch and departures**	Palazzo Foyer D-E

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