




## AO Recon NA Course - Principles of Total Hip and Knee Arthroplasty

 April 26, 2024 - April 27, 2024  
Dallas, Texas, USA

This course is modular in structure and highly interactive. Short, evidenced-based lectures cover the key information required. Moderated case discussions in small groups will expand on each topic and help participants to develop decision-making and surgical management skills. Participants will perform hands-on practical exercises including templating and planning exercises. Participants will share their experience with faculty and peers.

All factors related to achieving the best possible outcomes in primary arthroplasty will be covered.

### Target Participants

This course is targeted at second, third and fourth year orthopedic surgery residents.



## Event Summary

### Tuition:

Level Name: Participant-Recon  
Pricing Tier: Resident  
Tuition: \$300.00

### Course Prerequisite(s):

No Prerequisites

### Venue:

Hyatt Regency DFW International Airport  
2334 North International Parkway  
Dallas, Texas, USA

Phone Number: +1 972 453 1234

<https://www.hyatt.com/hyatt-regency/en-US/dfwap-hyatt-regency-dfw-international-airport?>

### Language(s):

English

### Directly Provided by:



### Professional Level Prerequisite(s):

- Residency Year 1
- Residency Year 2
- Residency Year 3
- Residency Year 4
- Residency Year 5
- Residency Year 6
- Residency Year 7
- Residency Year 8
- Fellow
- Practicing

## CME

### Continuing Education Credit: 15.00



- AO North America is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

**Designation Statement** - AO North America designates this live educational activity for a maximum of 15.00 **AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Continuing Medical Education (CME) mission of AO North America (AONA®) is to provide comprehensive multidisciplinary needs based education to surgeons, fellows, and residents in the specialties of orthopedic, hand, craniomaxillofacial, spine, neurosurgery, and veterinary surgery in the areas of trauma (i.e., operative reduction and fixation), degenerative disorders, deformities, tumors, and reconstruction.

Expected results of AONA's CME activities for surgeons, fellows, and residents are to:

- Increase their knowledge base and surgical skill level
- Improve competence by applying advances of knowledge in patient care in the areas of trauma, degenerative disorders, deformities, tumors, and reconstructive surgical techniques
- Address practice performance gaps by improving management of aspects of traumatic injuries and musculoskeletal disorders (i.e., pre-operative planning to post-operative care)

## Learning Objectives

Upon completion, participants should be able to:

- Identify patient's reconstructive surgery needs
- Adopt a patient-centered approach
- Anticipate, recognize, and stratify potential complications
- Describe and discuss safe and effective procedures for primary arthroplasty
- Discuss the management of early and late problems or complications
- Communicate and facilitate a multidisciplinary team-based approach
- Apply best practice to optimize and document patient outcomes

## Faculty



### Huo, Michael - Chairperson

MD  
UT Southwestern Medical Center  
Department of Orthopedic Surgery  
Dallas, Texas

Orthopedic surgeon specializing in total joint replacement surgery.



### Brown, Tim - Co-Chairperson

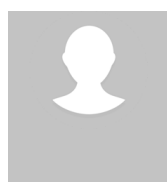
MD  
Assistant Professor, Weill Cornell Medical College  
Program Director, Hip and Knee Reconstruction Fellowship  
Houston Methodist Hospital  
Houston, Texas

Assistant Professor, Weill Cornell Medical College and Fellowship Director for Hip & Knee Reconstruction at the Houston Methodist Hospital in the Texas Medical Center.



### Collett, Garen - Lecturer

MD  
Assistant Professor  
University of Texas Southwestern Medical School  
Adult Hip and Knee Reconstruction  
Dallas, Texas



### Gladnick, Brian - Lecturer

MD  
W.B. Carrell Memorial Clinic  
Dallas, Texas

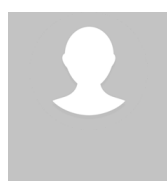
Dr. Gladnick is a Magna Cum Laude graduate of the University of Delaware, where he was elected to Phi Beta Kappa. He went on to earn his medical degree from Cornell University in New York, where he received the T. Campbell Thompson Prize for excellence in Orthopaedic Surgery. He completed his residency in Orthopaedic Surgery at the Hospital for Special Surgery/Cornell Medical Center in New York, followed by a fellowship in Adult Total Joint Reconstruction at the OrthoCarolina Hip and Knee Center in Charlotte. He now serves as the fellowship director for the Hip and Knee Replacement Service at the Carrell Clinic.



### Mahmood, Bilal - Lecturer

MD  
Adult Hip & Knee Reconstruction  
Orthopedic Surgery  
Orthopedic Associates of Dallas at Baylor Scott & White  
Dallas, Texas

Dr. Mahmood is an orthopedic surgeon with fellowship training in adult hip and knee reconstruction and joint replacement. He specializes in anterior hip replacement, robotic joint replacement, hip resurfacing, total knee replacement, partial knee replacement, minimally invasive joint replacement, same-day joint replacement, complex hip and knee deformity, revision joint replacement, hip and knee arthritis, osteonecrosis, hip dysplasia, and femoroacetabular impingement (FAI). Outside of work, Dr. Mahmood enjoys spending time with his wife and children. His hobbies include alpine skiing, baseball, hockey, biking and travel. He is involved with local outreach organizations for medically underserved populations. He is also involved in research and innovation to advance hip and knee joint replacement. D Magazine has named Baylor Scott & White Orthopedic Associates of Dallas the Face of Orthopedics for 2024.



### Moretti, Vincent - Lecturer

MD  
Associate Professor  
Department of Orthopaedic Surgery  
JPS Health Network  
TCU Burnett School of Medicine  
Fort Worth, Texas

Dr. Moretti is board-certified and fellowship-trained in adult reconstruction / joint replacement surgery. He has advanced training and years of experience performing anterior hip replacement, total and partial knee replacement, revision joint replacement, joint preservation surgery, knee arthroscopy, robotic-assisted surgery, and obese/high-risk joint replacement.

**Park, Kwan - Lecturer**

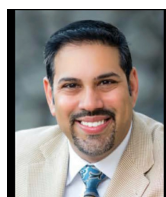
MD, FAAOS  
Assistant Professor  
Orthopaedics and Sports Medicine  
Houston Methodist Hospital  
Houston, Texas

I am a fellowship trained, board-certified orthopedic surgeon specializing hip and knee replacements. My interests are DA hips, periprosthetic fractures and revision hip/knee surgeries.

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**Rodriguez, David - Lecturer**

MD  
Department of Orthopedic Surgery  
Division of Adult Reconstruction  
The University of Texas - Houston  
Houston, Texas

**Yousuf, Khalid - Lecturer**

MD, MS  
Orthopedic Surgeon  
Medical Director Hip & Knee Surgery  
Medical Director Orthopedic Technology & Robotics  
Baylor Scott & White, East Region  
Orthopedic Associates of Dallas  
Frisco, Texas

Fellowship trained in hip & knee reconstruction.

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## Agenda

### Day 1

**Friday, April 26, 2024 - 06:30 - 17:15 - (includes breaks, travel-time and meals)**

<b>Activity</b>	<b>Area</b>
FRC	Lone Star 2
Lecture	Lone Star 1
Registration	Lone Star Foyer

Schedule	Title	Moderator	Faculty	Room
06:30 - 07:30	Registration and breakfast			Lone Star Foyer
07:30 - 07:40	Welcome and introduction		Brown, T Huo, M	
07:40 - 09:15	Module 1: Perioperative Management of Total Hip and Knee Arthroplasty			
07:40 - 07:50	Summary: Optimizing the patient journey		Gladnick, B	
07:50 - 08:00	Preventing infection in joint replacement		Rodriguez, D	
08:00 - 08:10	Questions and answers		Brown, T	
08:10 - 09:10	Small group discussion 1: Assessment and decision making			
09:10 - 09:15	Closing of module: take-home messages		Brown, T	
09:15 - 11:50	Module 2: Performing Total Hip Arthroplasty			
09:15 - 09:25	Key steps in planning THA		Mahmood, B	
09:25 - 09:35	Overview of surgical approaches for THA		Park, K	
09:35 - 09:40	Questions and answers		Huo, M	
09:40 - 10:00	Coffee break			
10:00 - 10:10	Cemented fixation		Huo, M	
10:10 - 10:20	Cementless fixation of the cup and the stem		Collett, G	
10:20 - 10:25	Questions and answers		Huo, M	
10:25 - 10:35	Bearing choice in THA		Yousuf, K	
10:35 - 10:45	Intraoperative challenges and complications		Brown, T	
10:45 - 10:55	Preventing dislocation in THA		Moretti, V	
10:55 - 11:05	Questions and answers		Brown, T	
11:05 - 11:50	Small group discussion 2: Total hip arthroplasty - surgical approaches, preventing dislocation, and fixation			
11:50 - 12:50	Lunch break			
12:50 - 14:50	Skills Lab HIP: session 1			
12:50 - 14:50	Group A: Templating and Small Group Discussion: Templating a THA - 60 min; Small group discussion 3; Total hip arthroplasty-intraoperative challenges and complications - 60 min	Brown, T Gladnick, B Rodriguez, D Yousuf, K		
12:50 - 14:50	Group B: AO Recon Skills Stations: Reaming the acetabulum and inserting a cup - 30 min; Preparing the femur and inserting a stem - 30 min; Safe zones for screw insertion - 30 min; Meet the Experts - 30 min	Collett, G Huo, M Mahmood, B Moretti, V Park, K		
14:50 - 15:10	Coffee break			
15:10 - 17:10	Skills Lab HIP: session 2			
15:10 - 17:10	Group B: Templating and Small Group Discussion: Templating a THA - 60 min; Small group discussion 3; Total hip arthroplasty-intraoperative challenges and complications - 60 min	Collett, G Huo, M Mahmood, B Moretti, V Park, K Yousuf, K		

15:10 - 17:10	Group A: AO Recon Skills Stations: Reaming the acetabulum and inserting a cup - 30 min; Preparing the femur and inserting a stem - 30 min; Safe zones for screw insertion - 30 min; Meet the Experts - 30 min	Brown, T Gladnick, B Rodriguez, D
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17:10 - 17:15	Closing of module: Take-home messages	Huo, M
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## Day 2

**Saturday, April 27, 2024 - 06:30 - 14:05 - (includes breaks, travel-time and meals)**

<b>Activity</b>	<b>Area</b>
FRC	Lone Star 2
Lecture	Lone Star 1
Registration	Lone Star Foyer

Schedule	Title	Moderator	Faculty	Room
06:30 - 09:15	Module 3: Performing Total Knee Arthroplasty			
06:30 - 06:45	Key steps in TKA and overview of surgical approaches for TKA		Moretti, V	
06:45 - 06:55	Alignment principles in TKA, including robotics		Gladnick, B	
06:55 - 07:05	The role of the PCL in TKA		Mahmood, B	
07:05 - 07:15	Bone cuts in TKA		Yousuf, K	
07:15 - 07:25	Questions and answers		Brown, T	
07:25 - 08:10	Small Group Discussion 4: How to do a TKR - valgus, varus, kinematic alignment			
08:10 - 08:20	Balancing the varus knee using TKA		Rodriguez, D	
08:20 - 08:30	Balancing the valgus knee using TKA		Collett, G	
08:30 - 08:40	Patellofemoral resurfacing and tracking		Park, K	
08:40 - 08:50	Fixation options in knee replacement		Brown, T	
08:50 - 09:00	Questions and answers		Brown, T	
09:00 - 09:15	Coffee break			
09:15 - 11:15	Skills Lab KNEE: Session 1			
09:15 - 11:15	Group A: Meet the Experts and Small Group Discussions: Meet the Experts – 60 min; Small group discussion 5; Total knee arthroplasty-intraoperative challenges and complications - 60 min	Brown, T Mahmood, B Moretti, V Park, K		
09:15 - 11:15	Group B: AO Recon Skills Stations: Planning a TKA – 30 min; Alignment for a tibial cut – 30 min; Performing a tibial cut – 30 min; Cementing – 30 min	Collett, G Gladnick, B Huo, M Rodriguez, D Yousuf, K		
11:15 - 11:45	Lunch break			
11:45 - 13:45	Skills Lab KNEE: Session 2			
11:45 - 13:45	Group B: Meet the Experts and Small Group Discussions: Meet the Experts – 60 min; Small group discussion 5; Total knee arthroplasty-intraoperative challenges and complications - 60 min	Brown, T Mahmood, B Moretti, V Park, K		
11:45 - 13:45	Group A: AO Recon Skills Stations: Planning a TKA – 30 min; Alignment for a tibial cut – 30 min; Performing a tibial cut – 30 min; Cementing – 30 min	Collett, G Gladnick, B Huo, M Rodriguez, D Yousuf, K		
13:45 - 13:55	Q&A - questions not covered by the course		Brown, T Huo, M	
13:55 - 14:05	Closing of module and course: Take-home messages		Brown, T Huo, M	

## AO NA Disclaimer Information

### Faculty Disclosure:

It is the policy of AO North America to abide by the Accreditation Council for Continuing Medical Education Standards for Commercial Support. Standard 2: "Disclosures Relevant to Potential Commercial Bias and Relevant Financial Relationships of Those with Control over CME Content," requires all planners, including course directors, chairs, and faculty, involved in the development of CME content to disclose their relevant financial relationships prior to participating in the activity. Relevant financial relationships will be disclosed to the activity audience. The intent of the disclosure is not to prevent a faculty with a relevant financial or other relationship from teaching, but to provide participants with information that might be of importance to their evaluation of content. All potential conflicts of interest have been resolved prior to the commencement of this activity.

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All scientific research referred to, reported or used in this CME activity in support or justification of a patient care recommendation conforms to the generally accepted standards of experimental design, data collection and analysis.

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## Acknowledgment

### In-Kind Support

AO North America gratefully acknowledges in-kind support for equipment and technical staff from J&JMedTech.

### Educational Grant

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