



AO Recon NA Course—Principles of Total Hip and Knee Arthroplasty

 October 14, 2022 - October 15, 2022
La Jolla, California, USA

Course Description:

This course is modular in structure and highly interactive. Short, evidence-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 - Orthopaedic
Pricing Tier: Resident
Tuition: \$300.00

Level Name: Participant - Orthopaedic
Pricing Tier: Attending
Tuition: \$300.00

Course Prerequisite(s):

No Prerequisites

Venue:

San Diego Marriott La Jolla Hotel, 4240 La Jolla Village Drive, La Jolla, CA 92037

Phone Number: 1-800-772-8527

<https://www.marriott.com/en-us/hotels/sanj-san-diego-marriott-la-jolla>

Language(s):

English

Directly Provided by:



Professional Level Prerequisite(s):

No Prerequisites

CME

Continuing Education Credit: 15.00



- **ACCME Accreditation Statement** - 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:

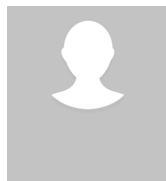
- Increase their knowledge base and surgical skill level
- Improve competence by applying advances of knowledge in patient care in the areas of trauma, degenerative disorders, deformities, tumors, and reconstructive surgical techniques
- Address practice performance gaps by improving management of aspects 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



Dalury, David - Co-Chairperson

MD
Dr.
Suite 100
Towson, Maryland

Clinical Professor of Orthopedic Surgery University of Maryland Chief of Adult Reconstruction University of Maryland St Joseph Hospital



Howard, James - Co-Chairperson

MD, MSc, FRCS(C)
Professor of Surgery
Division of Orthopaedic Surgery
Schulich School Of Medicine, Western University
London Health Sciences Centre
London, Ontario

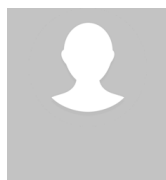
Dr. James L. Howard was born and raised in Calgary, Alberta. His undergraduate training was completed at the University of Calgary in Biological Sciences. He then received his MD degree at the University of Calgary in 2000. After graduating from medical school, he proceeded to the University of Western Ontario for residency training in Orthopaedic Surgery. He completed a concurrent Master's degree in Medical Biophysics during residency focusing on the use of computed tomography to evaluate bone support around cementless total hip replacements. He qualified as an orthopaedic surgeon in 2005, and travelled to the United States for fellowship training. First, he completed the Advanced Clinical Experience in Orthopaedic Traumatology at Harborview Medical Centre in Seattle, Washington. He then travelled to the Mayo Clinic in Rochester, Minnesota for subspecialty training in adult hip and knee reconstruction. Dr. Howard returned to London in 2007 as a member of the Division of Orthopaedic Surgery. He is a Full Professor in the Division of Orthopaedic Surgery at Western University. He is an active member of the Hip Society and Knee Society. His clinical practice focuses on primary and revision total hip arthroplasty.



Atrey, Amit - Lecturer

MD, MSc, FRCS (Tr ' & ' Orth), MRCS
Dr.
Associate Professor
Division of orthopaedics
St Michael's Hospital, Toronto
University of Toronto
Toronto, Ontario

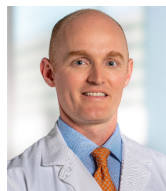
Amit is an academic orthopaedic surgeon out of Toronto. His practice is primary and revision hip and knee recon. His medical school, Masters degree and residency training was in London, UK. His trauma fellowship was in Hamburg, Germany and his recon fellowship in Toronto, Canada. After this fellowship he returned to an attending post in the UK until he was coaxed back for an academic post in a tertiary referral centre back in Toronto. Amit's academic interests are in tribology, the global infection registry and implant survivorship. He also raised \$2m for the orthoCAST project which is a free educational tool www.eduCAST.org



Au, Keegan - Lecturer

MD, FRCS(C) Ortho
St. John's, Newfoundland and Labrador

Dr. Keegan Au hails from St. John's, Newfoundland, Canada, where he practices adult hip and knee reconstruction. A fellow of the Royal College of Physicians and Surgeons of Canada, he has completed his residency at Memorial University and fellowship under the tutelage of esteemed surgeons of the Rorabeck-Bourne Joint Replacement Clinic at London Health Sciences Centre. As Associate Professor of Surgery, he has served as program director for Memorial University's Orthopedic Surgery Residency Program since 2018.



Brown, Tim - Lecturer

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

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



Greidanus, Nelson - Lecturer

MD, MPH
FRCS
Assistant Professor
Department of Orthopedics
University of British Columbia
Vancouver, British Columbia

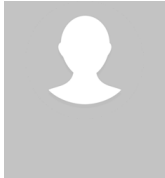
Dr. Greidanus has a subspecialty clinical practice with a focus on complex primary and revision hip/knee arthroplasty. He has an academic appointment at the University of British Columbia and a clinical research interest in outcomes research, epidemiology and clinical trials.



Perry, Kevin - Lecturer

MD
Mayo Clinic
Rochester, Minnesota

Kevin I. Perry, M.D. is an Associate Professor of Orthopedic Surgery at the Mayo Clinic College of Medicine and a Consultant in the Adult Reconstruction Division at the Mayo Clinic in Rochester, MN. Dr. Perry completed his internship and residency at the Mayo Clinic, followed by an adult hip and knee reconstruction fellowship at London Health Sciences Centre in London, Ontario. His research interests center on clinically relevant pathologies, their functional impact on patients, and periprosthetic joint infections. Dr. Perry currently has over 100 peer-reviewed publications and serves on numerous adult reconstruction and infection related boards and committees.



Tanzer, Michael - Lecturer

MD, FRCS, FAAOS
Professor and Jo Miller Chair
Associate Surgeon-in-Chief, McGill University Health Centre
Vice Chair Surgery, McGill University
Montreal, Quebec



Tucker, Kim - Lecturer

MD
Associate Professor
University of Arizona
Tucson, Arizona

Kim Tucker, MD is an orthopaedic surgeon who specializes in hip and knee arthroplasty. She currently practices with Northwest Allied Bone and Joint in Tucson, Arizona, where she is the Director of Arthroplasty. She graduated from University of Arizona with an undergraduate degree in Molecular and Cellular Biology, after which she received her medical degree from University of Arizona College of Medicine. She completed her Orthopaedic Surgery Residency at University of Arizona. Her interest in arthroplasty led her to complete an arthroplasty fellowship with Dr. David Dalury in Baltimore, MD. Her special interests include health disparity and gender disparity in orthopaedic surgery. She is active in the AAHKS Women in Arthroplasty group and currently serves on the AAHKS Board as a Member-at-Large. She is an avid skier and cyclist and a mother of two elementary-aged children.



Werle, Jason - Lecturer

MD, FRCS
Clinical Professor
Section Chief of Orthopaedic Surgery
University of Calgary
Senior Medical Director, Bone & Joint Health Strategic Clinical Network
Alberta Health Services
Calgary, Alberta

Dr. Jason Werle is a Clinical Professor and Section Chief of Orthopaedic Surgery at the University of Calgary in Calgary, Canada. He specializes in adult joint reconstruction including primary and revision lower extremity arthroplasty as well as trauma surgery. He also serves as the Senior Medical Director of the Bone & Joint Health Strategic Clinical Network of Alberta Health Services. The mission of the provincial SCN is to improve the bone and joint health of Albertans by bringing together people, research, and innovation.

Agenda

Day 1

Friday, October 14, 2022 - 06:30 - 17:15 - (includes breaks, travel-time and meals)

Activity	Area
AO Office	Mission Beach - 2nd Floor
Breakfast	Soledad Ballroom
FRC	Mission Beach - 2nd Floor
Lunch	Soledad Ballroom
Lecture	Coronado Room
Reception	Soledad Ballroom
Coffee Break	Coronado Foyer
Skills Lab	Newport

Schedule	Title	Moderator	Faculty	Room
06:30 - 07:30	Registration and breakfast			
07:30 - 07:40	Welcome and introduction		Dalury, D Howard, J	
07:40 - 09:15	Module 1: Perioperative Management of Total Hip and Knee Arthroplasty	Dalury, D		
07:40 - 07:50	Summary: Optimizing the patient journey		Dalury, D	
07:50 - 08:00	Preventing infection in joint replacement		Howard, J	
08:00 - 08:10	Questions and answers		Perry, K	
08:10 - 09:10	Small group discussion 1: Assessment and decision making			
09:10 - 09:15	Closing of module: take-home messages		Dalury, D	
09:15 - 11:50	Module 2: Performing Total Hip Arthroplasty	Howard, J		
09:15 - 09:25	Key steps in planning THA		Werle, J	
09:25 - 09:35	Overview of surgical approaches for THA		Tucker, K	
09:35 - 09:40	Questions and answers		Howard, J	
09:40 - 10:00	Coffee break			Coronado Foyer
10:00 - 10:10	Cemented fixation		Au, K	
10:10 - 10:20	Cementless fixation of the cup and the stem		Perry, K	
10:20 - 10:25	Questions and answers		Atrey, A	
10:25 - 10:35	Bearing choice in THA		Howard, J	
10:35 - 10:45	Intraoperative challenges and complications		Brown, T	
10:45 - 10:55	Preventing dislocation in THA		Tanzer, M	
10:55 - 11:05	Questions and answers		Howard, J	
11:05 - 11:50	Small group discussion 2: Total hip arthroplasty - surgical approaches, preventing dislocation, and fixation			
11:50 - 12:50	Lunch break			Soledad Ballroom
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			
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			
14:50 - 15:10	Coffee break			Coronado Foyer
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	
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	
17:10 - 17:15	Closing of module: Take-home messages	Dalury, D Howard, J

Day 2

Saturday, October 15, 2022 - 06:30 - 14:05 - (includes breaks, travel-time and meals)

Activity	Area
AO Office	Mission Beach - 2nd Floor
Breakfast	Soledad Ballroom
FRC	Mission Beach - 2nd Floor
Lunch	Soledad Ballroom
Lecture	Coronado Room
Reception	Soledad Ballroom
Coffee Break	Coronado Foyer
Skills Lab	Newport

Schedule	Title	Moderator	Faculty	Room
06:30 - 09:15	Module 3: Performing Total Knee Arthroplasty	Howard, J		
06:30 - 06:45	Key steps in TKA and overview of surgical approaches for TKA		Greidanus, N	
06:45 - 06:55	Limb alignment and kinematics		Howard, J	
06:55 - 07:05	The role of the PCL in TKA		Perry, K	
07:05 - 07:15	Bone cuts in TKA		Au, K	
07:15 - 07:25	Questions and answers		Tucker, K	
07:25 - 07:35	Balancing the varus knee and fixed flexion contracture		Werle, J	
07:35 - 07:45	Balancing the valgus knee		Atrey, A	
07:45 - 07:55	Patellofemoral resurfacing and tracking		Brown, T	
07:55 - 08:05	Fixation options in knee replacement		Greidanus, N	
08:05 - 08:15	Questions and answers		Howard, J	
08:15 - 08:30	Coffee break			Coronado Foyer
08:30 - 09:15	Small Group Discussion 4: How to do a TKR - valgus, varus, kinematic alignment			
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			
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			
11:15 - 11:45	Lunch break			Soledad Ballroom
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			

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	
13:45 - 13:55	Q&A - questions not covered by the course	Dalury, D Howard, J
13:55 - 14:05	Closing of module and course: Take-home messages	Dalury, D Howard, J

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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Some medical devices used for teaching purposes and/or discussed in AO North America's educational activities may have been cleared by the FDA for specific uses only or may not yet be approved for any purpose. Faculty may discuss off-label, investigational, or experimental uses of products/devices in CME certified educational activities. Faculty have been advised that all recommendations involving clinical medicine in this CME activity are based on evidence that is accepted within the profession of medicine as adequate justification for their indications and contraindications in the care of patients.

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.

Disclaimer:

AONA does not endorse nor promote the use of any product/device of commercial entities. Equipment used in this course is for teaching purposes only with the intent to enhance the learning experience.

Conflict of Interest Resolution Statement:

When individuals in a position to control or influence the development of the content have reported financial relationships with one or more commercial interests, AO North America utilizes a process to identify and resolve potential conflicts to ensure that the content presented is free of commercial bias.

Liability Statement:

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Acknowledgment

In-Kind Support

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

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