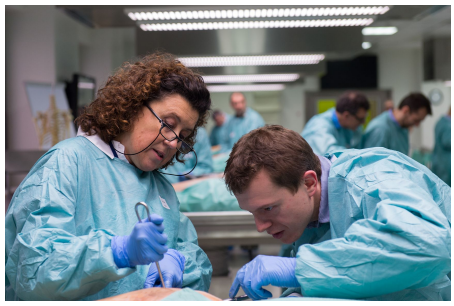
AO Trauma and AO Trauma NA Masters Course—Hip Fractures

May 12, 2022 - May 15, 2022
Miami, Florida, USA

Course Description:
The course is delivered using a combination of facilitated small group discussions (case-based and debate style), practical exercises with anatomical specimens, and summary lectures. All activities are moderated by expert faculty in a highly interactive learning environment. Participants are encouraged to discuss the cases and content in an open manner and to share their own experiences.



Goal of the Course:
This AO Trauma Masters Course—Hip Fractures addresses current concepts and state-of-the-art treatment options for proximal femur fractures, while respecting the clinical know how that has been developed over decades. The curriculum will address issues critical to the successful surgical management of these challenging injuries.

Target Participants:
The course is designed for orthopedic surgeons with experience treating proximal femoral fractures, and who are willing to share their experiences with and learn from their colleagues and the faculty facilitators.

Participants should have completed the AO Trauma Courses—Basic Principles and Advanced Principles of Fracture Management and must be able to communicate well in English.

Event Summary

Tuition:
Level Name: Participant - Orthopaedic
Pricing Tier: Attending
Tuition: $1,900.00

Level Name: Participant - Orthopaedic
Pricing Tier: Fellow
Tuition: $1,900.00

Course Prerequisite(s):

- AOTrauma Course – Basic Principles of Fracture Management
- AOTrauma Course – Advanced Principles of Fracture Management

Venue:
Hilton Miami Blue Lagoon

Phone Number: (305) 262-1000
www.miamiairportbluelagoon.hilton.com

Language(s):
English

Directly Provided by:
AO Trauma

Professional Level Prerequisite(s):
No Prerequisites

CME

Continuing Education Credit: 21.50

- AO North America, Inc. (AO NA) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing education for physicians. AONA has been resurveyed by the Accreditation Council for Continuing Medical Education and awarded Accreditation with Commendation.

  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 AO North America, Inc. (AO NA) and AO Trauma. AO North America, Inc. is accredited by the ACCME to provide continuing education for physicians.

- **Designation Statement** - AO North America designates this live educational activity for a maximum of 21.50 ***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 which patients with femoral head or neck fractures will require open reduction
- Describe optimum (effective and efficient) approaches for each specific pattern of proximal femoral fracture
- Identify and prevent malreduction in femoral neck, per- and subtrochanteric fractures
- Employ appropriate reduction sequences and techniques for per- and subtrochanteric fractures
- Describe the critical planning points when employing different techniques to treat failed proximal femoral osteosynthesis (hip arthroplasty, osteotomies, and revision surgery)

Faculty

Alzahrani, Abdullah - Co-Chairperson
MBBS
Dr
King Abdulaziz Medical City
Riyadh

Consultant trauma and hip surgery, KAMC-Riyadh Saudi Arabia

Pesantez Hoyos, Rodrigo - Co-Chairperson
MD
Chief of Orthopedic Trauma
Fundación Santa Fe
Bogota

Barbosa de ToledoLourenco, Paulo Roberto - Lecturer
Dr, M Med (Surgery), MD, MDCM
Dr
Orthopaedic Trauma Coordinator
Hospital Quinta D' or
Rio de Janeiro, Rio de Janeiro

Baumgaertner, Michael - Lecturer
MD
Professor
Department of Orthopaedics and Rehabilitation
Yale University School of Medicine
New Haven, Connecticut

Michael R. Baumgaertner, MD is a fracture surgeon who is Professor of Orthopaedic Surgery & Rehabilitation. He works at Yale-New Haven Hospital where he's been treating patients with severe fractures, fracture complications, and worn out joints for more than three decades Following a childhood in Minnesota, Dr. Baumgaertner graduated from Stanford University with a degree in Art History. He attended the University of California (San Diego) Medical School as a Regent's Scholar where he earned his M.D. He then did his orthopaedic surgery residency at the University of California (San Francisco), following that he completed a one-year fellowship in plastic and reconstructive surgery at the University of Massachusetts Medical Center in Worcester, Massachusetts. He joined the Faculty of the Yale School of Medicine in 1988. Dr. Baumgaertner's 1995 &97 publications on hip fracture fixation performed at Yale initiated his international recognition. The measurement he described at that time has been validated repeatedly and remains a useful guide to help surgeons. He has authored numerous original articles and chapters in orthopaedic textbooks. He has lectured and taught residents in training and practicing surgeons optimal surgical fracture care all over the world. After serving as Chairperson of Education for both the Orthopaedic Trauma Association and AOTrauma NA, he lead AONA as President. He helped design and implement the faculty development & coaching programs for AOTrauma. Currently, he is the immediate past Chairperson of the AOTrauma International Board. His academic career notwithstanding, Dr. Baumgaertner is a surgeon dedicated to the recovery of his injured patients: providing technically expert surgical repair, as well as the education and counseling necessary to heal not only the patient's fracture, but also their lifestyle.

Kammerlander, Christian - Lecturer
Prof. Dr. med.
Professor
Medical Director
Traumahospital Styria
Graz

Lee, Mark - Lecturer
MD
Professor
President AO North America
Chief and Fellowship Director, Orthopaedic Trauma Service
Vice Chair for Administration, Ortho Surgery
University of California-Davis Medical Center
Sacramento, California

Dr. Mark Lee is Professor and Vice Chairman of Administration in the Department of Orthopaedic Surgery at the UC Davis Medical Center in Sacramento. His clinical specialty focus is orthopaedic trauma, especially lower extremity trauma, and he oversees a national and regional referral practice for complex nonunions and malunions. He is a longtime member of the AOTK (AOTC) Lower Extremity Expert Groups. He is currently a member of the AOTC Trauma. He has an active research program that focuses on bone regeneration utilizing mesenchymal stem cells, especially for long bone defects, and on the interplay between biomechanics and fracture healing responses. Dr. Lee has a special interest in graduate medical education. He is past Chairman of the Education Advisory Board for AO North America and a multi-term member of the AO Foundation Residents Task Force. He served two terms on the AOTNA Education Committee. He is the Chief of the Orthopaedic Trauma Service and Fellowship Director at UC Davis and is past Chair of the Fellowship and Career Choices Committee of the Orthopaedic Trauma Association (OTA). Dr. Lee currently sits on the Board of Directors of AO North America."

Mauffrey, Cyril - Lecturer
MD, FRCS, FACS
Professor, University of Colorado
Chief of Orthopedics
Denver Health Medical Center
Denver, Colorado

Taha, Wa'el - Lecturer
MD, MMed(Surg)
Dr
King Abdulazizi Medical City
Madinah

Wael Taha, MD

Tatman, Lauren - Lecturer
MD
Assistant Professor
Department of Orthopaedic Surgery
Vanderbilt University Medical Center
Nashville, Tennessee

Taype Zamboni, Danilo - Lecturer
MD
Dr
Hospital Italiano Buenos Aires
CABA

Trikha, Vivek - Lecturer
MS (Ortho), FRCS(Glasgow), FACS, FICS
Professor
Department of Orthopaedics
JPN Apex Trauma Centre
AIIMS
NEW DELHI, Delhi

Professor at India's Premier Level one Trauma Centre in New Delhi. Special interests include managing complex periarticular trauma, Pelvi-acetabular fractures, Polytrauma, Neglected fractures, Nonunion, malunions and Infections.

Agenda

Day 1

Thursday, May 12, 2022 - 15:00 - 19:00 - (includes breaks, travel-time and meals)

Schedule	Title	Moderator	Faculty	Room
15:00 - 15:00	Opening of the course venue			
15:00 - 17:00	Registration of participants			
17:00 - 19:00	Opening ceremony and AO Trauma reception			

Day 2

Friday, May 13, 2022 - 08:00 - 17:50 - (includes breaks, travel-time and meals)

Schedule	Title	Moderator	Faculty	Room
08:00 - 08:10	Welcome and introduction to the course			
08:10 - 09:00	Module 1: Back to basics—understanding the hip			
08:10 - 08:20	Biomechanics of the hip			
08:20 - 08:30	Anatomy for experts—what do I need to remember?			
08:30 - 08:40	Analyzing hip x-rays—trauma meets orthopedics (pattern recognition)			
08:40 - 09:00	Questions, summary and take-home messages			
09:00 - 11:35	Module 2: Femoral head fractures			
09:00 - 09:10	Case-based lecture—what did I learn from this femoral head fracture			
09:10 - 09:15	Location change to discussion groups			
09:15 - 10:15	Discussion Group 1: Femoral head fractures - Group 1, Group 2, Group 3			
10:15 - 10:45	Coffee break			
10:45 - 11:15	Plenary session with interactive review and expert panel			
11:15 - 11:35	Questions, summary and take-home messages			
11:35 - 12:20	Lunch break			
12:20 - 12:40	Transfer to the anatomical laboratory			
12:40 - 12:50	Preparation for the anatomical specimen laboratory			
12:50 - 14:50	Anatomical Specimen Laboratory 1: • Anterior approaches • Capsulotomies • Reduction techniques • Fixation of femoral neck fractures			
14:50 - 15:20	Coffee break			
15:20 - 17:20	Anatomical Specimen Laboratory 2 • Exploring and confirming the surgical limitations to anterior approaches			
17:20 - 17:30	Questions, summary, and take-home messages			
17:30 - 17:50	Transfer to the course venue			

Day 3

Saturday, May 14, 2022 - 08:00 - 18:10 - (includes breaks, travel-time and meals)

Schedule	Title	Moderator	Faculty	Room
08:00 - 08:05	Introduction to today's modules			
08:05 - 10:15	Module 3: High energy femoral neck fractures (FNF)/combination			
08:05 - 08:15	Case-based lecture—what did I learn from this injury?			

08:15 - 08:20	Location change to discussion groups
08:20 - 09:20	Discussion Group 2: High energy femoral neck fractures/combination Group 1, Group 2, Group 3
09:20 - 09:25	Location change to lecture room
09:25 - 09:55	Plenary session with interactive review and expert panel
09:55 - 10:15	Questions, summary and take-home messages
10:15 - 10:35	Coffee break
10:35 - 12:40	Module 4: Femoral neck fractures in the elderly
10:35 - 10:45	Case-based lecture—what did I learn from the femoral neck fracture?
10:45 - 10:50	Location change to discussion groups
10:50 - 11:50	Discussion Group 3: Femoral neck fractures in the elderly Group 1, Group 2, Group 3
11:50 - 11:55	Location change to lecture room
11:55 - 12:25	Plenary session with interactive review and expert panel
12:25 - 12:40	Questions, summary, and take-home messages
12:40 - 13:40	Lunch break
13:40 - 15:50	Module 5: Intertrochanteric fractures
13:40 - 13:50	Case-based lecture—what did I learn from this intertrochanteric fracture?
13:50 - 13:55	Location change to discussion groups
13:55 - 14:55	Discussion Group 4: Intertrochanteric fractures Group 1, Group 2, Group 3
14:55 - 15:00	Location change to lecture room
15:00 - 15:30	Plenary session with interactive review and expert panel
15:30 - 15:50	Questions, summary, and take-home messages
15:50 - 16:10	Coffee break
16:10 - 18:10	Module 6: Subtrochanteric fractures
16:10 - 16:20	Case-based lecture—what did I learn from this subtrochanteric fracture?
16:20 - 16:25	Location change to discussion groups
16:25 - 17:25	Discussion Group 5: Subtrochanteric fractures Group 1, Group 2, Group 3
17:25 - 17:30	Location change to lecture room
17:30 - 18:00	Plenary session with interactive review and expert panel
18:00 - 18:10	Questions, summary, and take-home messages

Day 4

Sunday, May 15, 2022 - 07:00 - 15:30 - (includes breaks, travel-time and meals)

Schedule	Title	Moderator	Faculty	Room
07:00 - 07:20	Transfer to the anatomical laboratory			
07:20 - 07:30	Preparation for the anatomical specimen laboratory			
07:30 - 09:15	Anatomical specimen laboratory 3 • Surgical hip dislocation via lateral Kocher-Langenbeck or Gibson with trochanteric osteotomy for femoral head and acetabular rim fractures			
09:15 - 09:40	Coffee break			
09:40 - 11:15	Anatomical specimen laboratory 4 • Planning and execution —Pauwel's osteotomy with blade plate fixation			
11:15 - 11:45	Transfer to the course venue			

11:45 - 12:25	Lunch break
12:25 - 14:10	Module 7: Complications of proximal femoral fracture treatment
12:25 - 12:35	Case-based lecture—what did I learn from this complication?
12:35 - 12:40	Location change to discussion groups
12:40 - 13:25	Discussion Group 6: Complications of proximal femoral fracture treatment Group 1, Group 2, Group 3
13:25 - 13:30	Location change to lecture room
13:30 - 14:00	Plenary session with interactive review and expert panel
14:00 - 14:10	Questions, summary, and take-home messages
14:10 - 15:10	Module 8: Management of complications of proximal femoral fracture treatment
14:10 - 14:20	Salvage techniques for femoral neck nonunion and malunion
14:20 - 14:30	Salvage for failed intertrochanteric fractures
14:30 - 14:40	Salvage of failed subtrochanteric fractures
14:40 - 14:50	Arthroplasty after failed proximal femoral fixation
14:50 - 15:00	Understanding modes of failure of hip fracture fixation
15:00 - 15:10	Fractures around implants
15:10 - 15:30	Summary of the course, evaluation, closing remarks, and distribution of certificates

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.

Off-Label / Experimental Discussions:
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.

The opinions or views expressed in this live continuing medical education activity are those of the faculty and do not necessarily reflect the opinions or recommendations of AO North America or any commercial supporter. The certificate provided pertains only to the participants’ completion of the course.

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:
AO North America faculty and staff assume no personal liability for the techniques or the use of any equipment and accessories used for teaching purposes in the laboratory. The certificate provided pertains only to the participants’ completion of the course and does not, in any way, attest to the proficiency of the participants’ clinical experience.

Laboratory Waiver:
To participate in this surgical skills course, you will be required to sign a waiver of liability prior to the course. In order to participate, AONA’s policy mandates that every individual must wear appropriate protective garments provided by AO NA during the lab sessions. Participants who do not sign the waiver and wear protective garments will not be allowed to participate in the laboratory sessions.

Human Anatomic Specimens:
This course will involve exposure to and contact with human anatomic specimens. These specimens are being utilized for purposes of teaching and learning and are to be treated with the utmost respect. Participants should be familiar with and understand the potential risks involved and will be required to observe all customary safety procedures.