AO Trauma and AO Trauma NA Masters Course—Fractures Around the Elbow

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

Course Description:
The course is delivered using a combination of small group discussions, cases, preparation for case-based discussion, tips and tricks, 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 AOTrauma Masters Course—Fractures around the Elbow addresses current concepts and state-of-the-art treatment options in orthopedic trauma. It covers one or more topics and has been planned based on the common and critical patient problems related to this specific topic.

Target Participants:
The course is aimed at surgeons that have been practicing orthopedic trauma for many years and who are willing to share their experiences on the specific topic of the course.

Participants should have completed the AOTrauma 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: 20.00

- 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 20.00 ***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:

- Classify fractures of the elbow based on pattern, pathomechanism, and soft tissue injuries
- Develop a management plan for elbow instability with or without concomitant fractures
- Apply the various methods of internal fixation
- Recognize the role of primary arthroplasty in elbow trauma
- Perform basic soft tissue coverage techniques for skin defects around the elbow
- Use intraoperative image intensification during elbow trauma surgery
- Practice different surgical approaches to the elbow joint

Faculty

Labronici, Pedro - Co-Chairperson
PhD
professor
chief of Orthopaedic and Surgery
Department Surgery
Universidade Federal Fluminense
Niterói, Rio de Janeiro
Petrópolis, RJ

Chief of Orthopaedic and Traumatology Santa Teresa Hospital , Petropolis, Rio de Janeiro Professor of University Federal Fluminense, Niterói, Rio de Janeiro Professor Orthopaedic UNIFASE, Petropolis, Rio de Janeiro Faculty AO trauma Brazil Titular member of the Brazilian Society of Orthopedics and TraumatologyTitular member of the Brazilian Society of Orthopedics and Traumatology

Massoud, Abdel-Hakim - Co-Chairperson
M Med (Surgery)
Prof
Cairo

Arroyo Sanchez, Carlos - Lecturer
MD, M Med (Surgery)
MD
Universidad Industrial de Santander
Clínica Foscal Internacional
Bucaramanga

Hand And Upper Extremity Surgeon . Hospital Universitario de Santander- Clinica FOSCAL. Professor Universidad Industrial de Santander - Orthopaedic and Trauma Surgery Program Bucaramanga-Colombia.

Bain, Gregory - Lecturer
PhD
Prof
Flinders University
Adelaide, South Australia

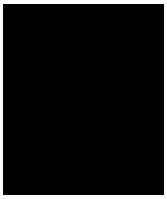
Professor of Upper Limb Surgery at Flinders University, in Adelaide Australia Actively involved in education and research of trauma and reconstructive surgery of the upper limb

Buck, Brian - Lecturer
DO
AssociateProfessor of Orthopaedic Surgery
Department of Orthopaedic Surgery
Rothman Orthopaedics
Thomas Jefferson University Hospital
Philadelphia, Pennsylvania

den Hartog, Dennis - Lecturer
MD, PhD
Head of Trauma Center South West Netherlands
Department of Surgery
Trauma surgery
Erasmus MC
University Medical Center Rotterdam
Rotterdam

Kojima, Kodi - Lecturer
MD, PhD
Chief
Orthopedic Trauma Group
University of Sao Paulo
Sao Paulo, Sao Paulo

Chief Orthopedic Trauma Group - University of Sao Paulo Past Chair - AO Trauma International Board Past Chair - AO Trauma Education Commission CTAP Steering Committee Past President - Brazilian Orthopedic Trauma Society



Mahmoud, Mostafa - Lecturer
Prof. Dr. med.
Prof Dr
Cairo

Ring, David - Lecturer
MD, PhD
Associate Dean for Comprehensive Care
Professor of Surgery, Psychiatry, and Health Social Work
University of Texas at Austin -- Dell Medical School
Austin, Texas

Dr. David Ring is Professor of Surgery and of Psychiatry at Dell Medical School -- The University of Texas at Austin. He is a prolific researcher, teacher, and writer in the field of upper extremity trauma and post-traumatic reconstruction. He also champions that evidence that accommodation is an effective health strategy, and its basis is reorienting unhelpful thoughts, alleviating symptoms of distress, and addressing sources of insecurity.

Zublin Guerra, Carlos Miguel - Lecturer
MEd
MD
Chief of Department of Trauma
Argentine Federal Police Hospital
Buenos Aires

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 - 17:30 - (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: Distal humerus			
08:10 - 08:25	Distal humeral fractures—reduction and fixation techniques			
08:25 - 08:40	Distal humeral fractures—in elderly patients			
08:40 - 08:50	Distal humerus—ORIF versus replacement—when and how?			
08:50 - 09:00	Tips and tricks in distal humeral fractures			
09:00 - 09:05	Location change to discussion groups			
09:05 - 10:00	Discussion group 1 Distal humeral fractures: Group 1, Group 2, Group 3			
10:00 - 10:20	Coffee break			
10:20 - 12:15	Module 2: Elbow instability			
10:20 - 10:35	Concept of elbow stability			
10:35 - 10:50	Elbow dislocation without fracture			
10:50 - 11:05	Chronic elbow instability			
11:05 - 11:15	Tips and tricks on elbow instability			
11:15 - 11:20	Question and answer session			
11:20 - 12:15	Case-based Discussions 1: Working in small groups with faculty members, participants will prepare a fracture analysis and develop a treatment for the case presented. Each result will be presented and discussed with other participants and faculty.			
12:15 - 13:00	Lunch break			
13:00 - 13:20	Transfer to the anatomical laboratory			
13:20 - 13:30	Preparation for the anatomical specimen laboratory			
13:30 - 17:05	Anatomical Specimen Laboratory 1: Posterior approaches to the elbow • Utilitarian posterior approach to the elbow: • Paratricipital approach to the distal humerus • Triceps-sparing approach to the distal humeral shaft (Gerwin-Hotchkiss) • Triceps-splitting approach to the distal humeral shaft • Direct approach to the olecranon • Subcutaneous ulnar nerve transposition • Olecranon osteotomy • Creation of distal humeral fractures and fixation of fractures and osteotomies			
17:05 - 17:10	Summary, evaluation, and take-home messages			
17:10 - 17:30	Transfer to the course venue			

Day 3

Saturday, May 14, 2022 - 08:00 - 17:00 - (includes breaks, travel-time and meals)

Schedule	Title	Moderator	Faculty	Room
08:00 - 08:05	Introduction to today's module			
08:05 - 09:25	Module 3: Proximal forearm fractures			
08:05 - 08:20	Olecranon fractures			
08:20 - 08:35	Radial head fractures—ORIF versus replacement			
08:35 - 08:50	Isolated fracture tip of the coronoid—what to do?			
08:50 - 09:05	Monteggia fractures			
09:05 - 09:15	Tips and tricks in proximal forearm fractures			
09:15 - 09:25	Question and answer session			
09:25 - 09:30	Location change to discussion groups			
09:30 - 10:30	Discussion Group 2: Proximal forearm fractures Group 1, Group 2, Group 3			
10:30 - 10:45	Coffee break			
10:45 - 11:50	Module 4: Elbow dislocations			
10:45 - 11:00	Terrible triad fracture dislocation			
11:00 - 11:15	Coronoid fractures			
11:15 - 11:30	Management of pediatric elbow fractures			
11:30 - 11:40	Tips and tricks in dislocations			
11:40 - 11:50	Question and answer session			
11:50 - 13:00	Lunch break			
13:00 - 15:30	Module 5: Fracture dislocations of the elbow			
13:00 - 13:15	Transolecranon fractures			
13:15 - 13:30	Coronal shearing fractures of the distal humerus			
13:30 - 13:45	Varus posteromedial instability			
13:45 - 13:55	Tips and tricks of fracture dislocations of the elbow			
13:55 - 14:05	Question and answer session			
14:05 - 15:30	Case-based discussions 2: Working in small groups with faculty members, participants will prepare a fracture analysis and develop a treatment for the case presented. Each result will be presented and discussed with other participants and faculty.			
15:30 - 15:50	Coffee break			
15:50 - 17:00	Module 6: Complications			
15:50 - 16:05	Stiff elbow post trauma			
16:05 - 16:20	Radiocapitellar and ulnohumeral arthrosis			
16:20 - 16:35	When to do an ulnar nerve transportation and prophylaxis of heterotopic ossification?			
16:35 - 16:45	Tips and tricks on the use of an image in elbow fractures			
16:45 - 16:50	Question and answer session			
16:50 - 17:00	Summary, evaluation, and take-home messages			

Day 4

Sunday, May 15, 2022 - 07:20 - 14:30 - (includes breaks, travel-time and meals)

Schedule	Title	Moderator	Faculty	Room
07:20 - 07:50	Transfer to the anatomical laboratory			
07:50 - 08:00	Preparation for the anatomical specimen laboratory			

08:00 - 11:00	Anatomical Specimen Laboratory—Anterior Elbow Approaches • Kaplan approach to the lateral elbow • Over-the-top approach to the medial elbow • Flexor carpi ulnaris (FCU)-splitting approach to the medial elbow • Radial head fracture fixation / arthroplasty • Coronoid fracture fixation • Coronoid reconstruction using the radial head • Lateral collateral ligament reconstruction (allograft tendon?)
11:00 - 11:20	Transfer to the course venue
11:20 - 12:20	Lunch break
12:20 - 14:15	Module 7: Sequelae
12:20 - 12:35	Management of soft-tissue defects
12:35 - 12:50	Malunion of distal humeral fractures
12:50 - 13:05	Nonunion of distal humeral fractures
13:05 - 13:10	Question and answer session
13:10 - 13:15	Location change to discussion groups
13:15 - 14:15	Discussion Group 3: Sequelae of elbow trauma Group 1, Group 2, Group 3
14:15 - 14:20	Location change to lecture room
14:20 - 14:30	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.