AO Trauma NA Course - Basic Principles of Fracture Management Practical Lab

September 10, 2022 - September 11, 2022
Toronto, Ontario, Canada

This Blended *Basic Principles of Fracture Management* course is designed to provide the participant with a fundamental knowledge of the operative treatment of fractures according to the AO principles.

The four guiding AO principles of fracture fixation are:

1. Anatomic reduction of the fracture fragments, particularly in joint fractures.
2. Stable fixation to ensure proper healing of the fracture while allowing surrounding tissue to move and strengthen.
3. Atraumatic surgical techniques to preserve the blood supply to the bone fragments and soft tissue.
4. Early, pain-free mobilization returning the patient to function as quickly as possible.

This course will also cover the concepts of absolute and relative stability of soft tissue injury as applied, in context, for each limb segment's major fracture types.

This course is the foundation for the AO North America curriculum, which **teaches the surgeon how to manage trauma and trauma reconstruction**. The goal of this course is not to advocate the treatment of all fractures by surgical fixation, but rather, to help ensure that when surgery is carried out, that it is done properly based upon principles, appropriate preoperative planning, and decision making.

All AO North America resident courses are developed and consistent with the Accreditation Council for Graduate Medical Education (ACGME) competencies and specialty specific Milestones program.

Event Summary

Tuition:
Level Name: Participant - Orthopaedic
Pricing Tier: Resident
Tuition: $750.00

Course Prerequisite(s):

- Trauma Online Basics Lecture and Discussion Groups

Venue:
Hilton Toronto Markham Suites
8500 Warden Avenue
Markham, ON, Canada
Phone Number: 905-470-8500

Language(s):
English

Directly Provided by:
AO North America

Professional Level Prerequisite(s):

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

CME

Continuing Education Credit: 15.25

- 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 15.25 ***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:

- Discuss the concepts of stability, their influence on bone healing, and how to appy implants to achieve appropriate stability
- Plan a treatment based on assessment, imaging, classification, and decision making
- Apply reduction techniques in fracture management with attention to the importance of the soft tissue
- Apply related psychomotor skills to the practical application of orthopedic implants to fractured bones
- Plan the initial treatment of the polytraumatized patient
- Discuss the concepts of stability, their influence on bone healing, and how to apply implants to achieve appropriate stability
- Apply reduction techniques in fracture management with attention to the importance of the soft-tissue
- Apply related psychomotor skills to the practical application of orthopedic implants to fractured bones

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.

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.

Acknowledgment

Educational Grant

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