

2015 — Preliminary Program

AOTrauma Course — Basic Principles of Fracture Management for Residents

**See Inside for Complete
List of Dates and Locations**



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AOTrauma Course — Basic Principles of Fracture Management for Residents Schedule

January 8 – 11, 2015

Charlotte, North Carolina

February 26 – March 1, 2015

New Orleans, Louisiana

April 23 – 26, 2015

Chicago, Illinois

August 13 – 16, 2015

Bellevue, Washington

September 10 – 13, 2015

Dallas, Texas

October 22 – 25, 2015

Phoenix, Arizona

November 19 – 22, 2015

Hollywood, California

The activities have been approved for *AMA PRA Category 1 Credit™*
All courses subject to modification.

Please visit our website: www.aona.org to register and for other course offerings.



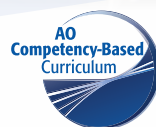
CME Mission Statement

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 orthopaedic, hand, craniomaxillofacial, spine, 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
- Apply and document competencies in areas of relevant advances in knowledge in the areas of trauma, degenerative disorders, deformities, tumors, and reconstructive surgical techniques into patient care resulting in improved competence
- Address practice performance gaps by improving management of all aspects of musculoskeletal injuries and disorders (i.e., pre-operative planning to post-operative care)





Course Description

This course is part of an overall competency-based educational program that includes many other activities and resources for self-directed learning. The educational activities in each program are developed by an international taskforce of clinical experts and educationalists and made available to you through the Education section of www.aotrauma.org.

The Basic Principles of Fracture Management Course is designed to provide the participant with a fundamental knowledge of operative treatment of fractures according to the AO principles.

The four guiding AO principles of fracture fixation are:

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

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

BioSkills Laboratory

Application, patient selection and preoperative planning considerations will be presented. Participants will have the opportunity to carry out the techniques on artificial bones in a bioskills laboratory. Problems and complications, intraoperative difficulties and patient follow-up will be addressed. Concepts of polytrauma care associated with orthopedic surgery will be discussed.

Discussion Groups

Small groups will be formed to allow a unique opportunity for both the participant and Faculty to discuss preselected cases that will complement the AO principles presented in the lectures and labs.

Target Audience

This course is designed specifically for orthopedic fellows and residents. Practicing orthopedic surgeons interested in learning/reviewing the AO Principles also may attend.



Learner Objectives

At the end of this course, participants will be able to:

- Discuss the concepts of stability, their influence on bone healing, and how to apply 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

Accreditation



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 31 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

For Canadian Based Physicians Attending AONA Courses

All live conferences or live courses held outside of Canada can be reported as accredited group learning activities under Section 1 of the MOC Program if they are developed by a university, academy, college, academic institution or physician organization.

Courses sponsored by AO North America meet the criteria of the Royal College of Physicians and Surgeons for accredited group learning activities.

Preliminary Program – Day 1

Time	Agenda Item
08:00 – 08:15	Introduction / Welcome
08:15 – 08:30	AIRS PreTest
08:30 – 10:15	MODULE 1: PRINCIPLES OVERVIEW
08:30 – 08:45	History of Fracture Care and Evolution of Principles
08:45 – 08:55	Unique Learning Resources of the AO Foundation
08:55 – 09:10	Bone Healing
09:10 – 09:25	Soft Tissue Injury and Compartment Syndrome
09:25 – 09:40	Bone: Fracture Classification – A Guide to Clinical Decision Making
09:40 – 09:55	Surgical Reduction Techniques: Respecting the Behavior of Bone
09:55 – 10:15	Questions / Answers and AIRS
10:15 – 10:35	Coffee Break
10:35 – 11:40	MODULE 2: PRINCIPLES - ABSOLUTE STABILITY
10:35 – 10:50	Spectrum of Stability
10:50 – 11:00	Screw Design and Function
11:00 – 11:10	Plate Design and Function
11:10 – 11:20	Tension Band Principles
11:20 – 11:40	Questions / Answers and AIRS
11:40 – 12:40	Lunch
12:40 – 14:40	PRACTICAL EXERCISE I: AO SKILLS STATIONS
14:40 – 14:50	Travel to Lab
14:50 – 16:30	PRACTICAL EXERCISE II: (Absolute Stability) A. Introduction to Implants B. Lag Screw C. Neutralization Plate D. Buttress Plate
16:30 – 16:50	Coffee Break
16:50 – 18:30	PRACTICAL EXERCISE II: (Absolute Stability-Continued) E. Axial Compression with Plates F. Oblique Fracture: Lag Through Plate G. Olecranon Fixation
18:30 – 19:30	Reception

Preliminary Program — Day 2

Time	Agenda Item
08:00 – 09:10	MODULE 3: PRINCIPLES — RELATIVE STABILITY
08:00 – 08:10	Relative Stability: Intramedullary Techniques
08:10 – 08:20	Relative Stability: External Fixation
08:20 – 08:35	Relative Stability: Bridge Plating with Traditional Implants and Techniques
08:35 – 08:50	Relative Stability: Locked Plating — Biology, Biomechanics, Clinical Applications
08:50 – 09:10	Questions / Answers and AIRS
09:10 – 09:15	Travel to Lab
09:15 – 10:45	PRACTICAL EXERCISE III: (Relative Stability) A. External Fixation B. Bridge Plating C. Comparison of Locked and Unlocked Screws in Osteoporotic Bone
10:45 – 11:00	Coffee Break and Travel to Lectures
11:00 – 11:45	MODULE 4: SPECIFIC FRACTURES- DIAPHYSEAL
11:00 – 11:10	Open Fractures
11:10 – 11:20	Femur
11:20 – 11:30	Tibia
11:30 – 11:45	Questions / Answers and AIRS
11:45 – 11:50	Travel to Discussion Group
11:50 – 13:20	Discussion Group One (with lunch): Review of Principles and Decision Making
13:20 – 13:30	Travel to Lab
13:30 – 15:30	PRACTICAL EXERCISE IV: (Intramedullary Nailing) A. Femur B. Tibia
15:30 – 15:50	Coffee Break and Travel to Lectures
15:50 – 16:45	MODULE 5: PRINCIPLES- DECISION MAKING
15:50 – 16:05	Preoperative Planning
16:05 – 16:15	Radiation Safety
16:15 – 16:25	Humerus
16:25 – 16:35	Radius / Ulna
16:35 – 16:45	Questions / Answers and AIRS
16:45 – 16:55	Travel to Lab
16:55 – 18:15	PRACTICAL EXERCISE V: Preoperative Planning - Forearm Model

Preliminary Program — Day 3

Time	Agenda Item
08:00 – 09:15	PRACTICAL EXERCISE VI: Fixation of Radius / Ulna
09:15 – 09:30	Coffee Break and Travel to Lectures
09:30 – 11:15	MODULE 6: LOWER EXTREMITY — ARTICULAR FRACTURES
09:30 – 09:40	Principles of Management-Articular
09:40 – 09:50	Distal Femur
09:50 – 10:00	Extracapsular Hip Fracture
10:00 – 10:10	Intracapsular Hip Fracture
10:10 – 10:20	Questions/ Answers and AIRS
10:20 – 10:35	Tibial Plateau
10:35 – 10:50	Ankle
10:50 – 11:00	Pilon Fractures
11:00 – 11:15	Questions / Answers and AIRS
11:15 – 11:25	Travel to Lab
11:25 – 12:35	PRACTICAL EXERCISE VII: Ankle Fractures — Type C Malleolar
12:35 – 12:45	Travel to Discussion Groups
12:45 – 14:15	Discussion Group Two (with lunch): Diaphyseal Fractures
14:15 – 14:25	Travel to Lab
14:25 – 15:40	PRACTICAL EXERCISE VIII: (Fractures of the Hip) A. Compression Hip Screw Fixation B. Cannulated Screw Fixation
15:40 – 15:50	Coffee Break and Travel to Lectures
15:50 – 16:50	MODULE 6 (Continued): UPPER EXTREMITY — ARTICULAR FRACTURES
15:50 – 16:00	Olecranon and Patellar Fractures
16:00 – 16:10	Proximal Humerus
16:10 – 16:20	Distal Humerus
16:20 – 16:35	Distal Radius
16:35 – 16:50	Questions / Answers and AIRS
16:50 – 18:05	MODULE 7: SPECIAL FRACTURE PROBLEMS
16:50 – 17:05	Polytrauma
17:05 – 17:15	Radiographic Evaluation and Classification of Pelvic Ring Disruptions
17:15 – 17:25	Acute Management of Pelvic Ring Injuries
17:25 – 17:40	Questions / Answers and AIRS
17:40 – 18:05	AIRS PostTEST

Preliminary Program — Day 4

Time Agenda Item

08:00 – 09:15 **Discussion Group Three** (with breakfast)

09:15 – 09:20 **Travel to Lab**

09:20 – 10:50 **PRACTICAL EXERCISE IX:** (External Fixation)

A. Pelvic Fracture

B. Spanning External Fixation

10:50 – 10:55 **Travel to Lectures**

10:55 – 12:10 **MODULE 7 (Continued):
SPECIAL FRACTURE PROBLEMS**

10:55 – 11:10 Infection

11:10 – 11:20 Nonunions

11:20 – 11:30 Malunions

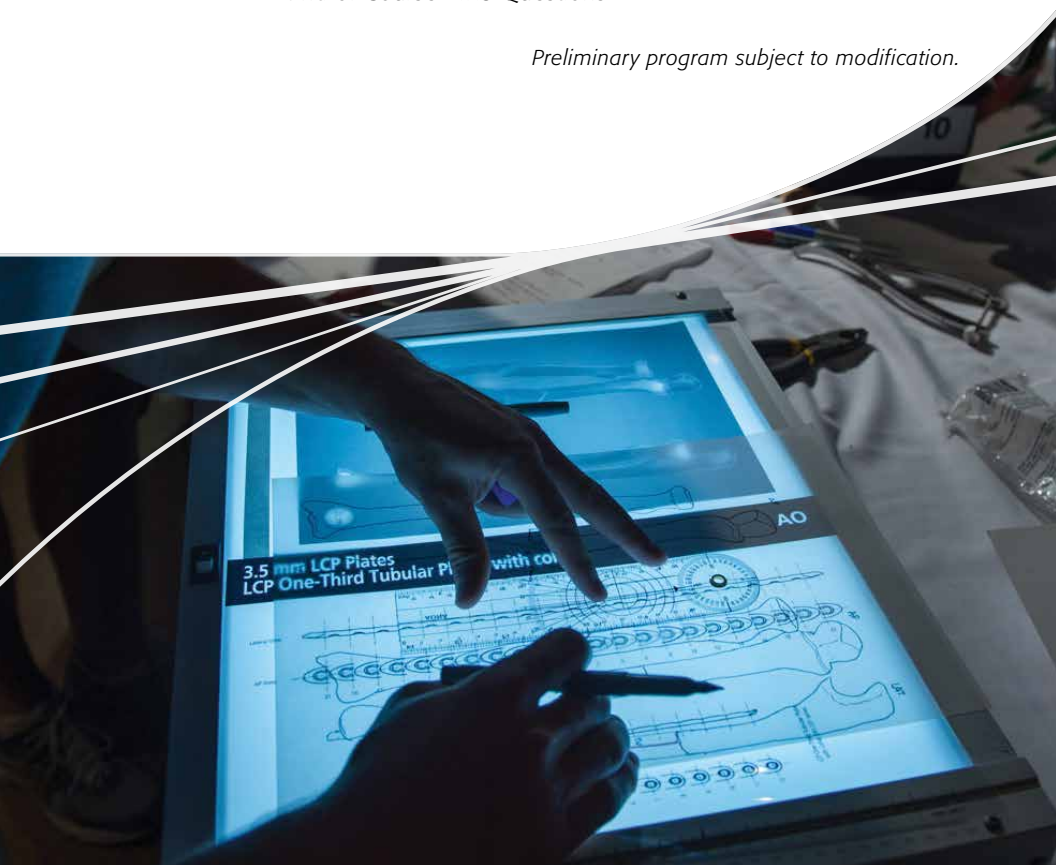
11:30 – 11:50 Violations of AO Principles: How not to do AO

11:50 – 12:00 Questions / Answers and AIRS

12:00 – 12:10 Closing Comments (Introduce Principles II) /

End of Course AIRS Questions

Preliminary program subject to modification.



Past Participants' Comments:

"Superb faculty and very well organized. Excellent course!"



The labs were awesome!"



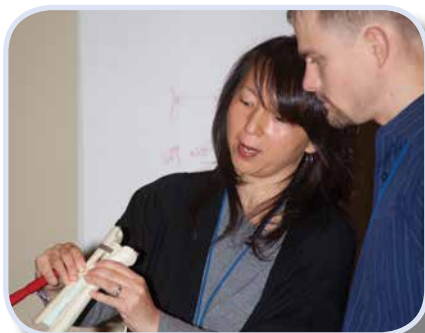
"Case presentations were the most helpful aspect of the course."



"The course has literally changed the way I think"



"This course was extremely beneficial to my orthopedic education. Every resident should attend this course."



Presentation 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.

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.

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.

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.

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.

Tuition, Registration, Hotel and Travel

Tuition: Resident \$1095.00 (US funds)
Attending \$1495.00 (US funds)

Tuition Includes: Registration, laboratory materials, breakfast, lunch and break refreshments.

Registration is available online only at www.aona.org

We encourage early registration, as seating is limited.

Upon receipt of your registration and payment, you will receive an email confirmation of your registration in the Course, along with hotel and travel information to assist you in making your arrangements.

PLEASE NOTE:

Full refunds will be made only if written notice of cancellation is received by registration deadline date. Cancellations received after the deadline date will be subject to a \$100 cancellation fee. No tuition refund will be issued for cancellations after 30 days prior to course.

ADA Statement

AO North America fully intends to comply with the legal requirements of the Americans with Disabilities Act. If any registrant is in need of accommodation, please do not hesitate to submit a written request at least one month prior to this activity.

Hotel and Travel

Hotel Reservations and Travel Accommodations are the responsibility of the individual registrant. Complete information regarding room rates will be available in the participant confirmation letter. Complete hotel information for individual Courses can be found on our website at www.aona.org

Please do not consider yourself registered in a Course until a confirmation email is received.

For Information:

Contact: AONA Customer Service Department

Phone: (800) 769-1391

(610) 695-2459

Fax: (610) 695-2420

Email: customerservice@aona.org

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AOTrauma Course —
Basic Principles of Fracture
Management for Residents

AO North America
1700 Russell Road
Paoli, PA 19301

Registration is available only online: www.aona.org