

2018 — Preliminary Program

Advanced Principles of Fracture Management

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



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EDUCATION



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AO North America
1700 Russell Road
Paoli, PA 19301

www.aona.org

A letter from the Chair of AOTrauma North America



As Chair of the AOTrauma North America Education Committee, it is my pleasure to introduce you to this unique and exciting organization and our mission. Since 1958, the AO has been the worldwide leader in musculoskeletal trauma education. AONA provides comprehensive multidisciplinary education to surgeons, fellows and residents in orthopedic, craniomaxillofacial, spine and veterinary surgery.

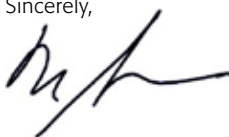
The AO ('Arbeitsgemeinschaft für Osteosynthesefragen') is a noncommercial entity dedicated to education, research and the advancement of surgical care. We are a fellowship of like-minded surgeons that span the globe. AONA was established as a regional entity of the AO Foundation in 1992 and continues the long tradition of teaching excellence. As an independent, surgeon-driven, nonprofit specialty society, AONA is dedicated to the advancement of patient care. Our mission is to improve the care of patients with musculoskeletal injuries in North America through education and research.

I invite you to participate in the many opportunities offered by AOTrauma North America. There is a wide spectrum of educational activities to meet the life-long learning needs of surgeons. Whether as a resident, fellow or attending surgeon, AOTNA offers modern teaching techniques and state-of-the-art courses that are tailored for today's learner. Our educational activities include annual courses, symposia, regional summits and workshops throughout the world. AO North America has developed a systematic approach to education and course offerings. Beginning at the basic principles level and continuing through to the complex care of a variety of musculoskeletal disorders we cover it all.

Specialty courses are intensive and focus on specific anatomical areas of the musculoskeletal system. Each educational offering has its own unique structure, at times employing didactic sessions, hands-on laboratory, cadaveric specimens, small group discussions, expert panels and live surgery.

AO North America is recognized globally for providing excellent surgical education. Participating in these activities will be extremely valuable to you as you strive to improve patient care throughout your career.

Sincerely,

A handwritten signature in black ink, appearing to read 'M. Sirkin', written in a cursive, fluid style.

Michael Sirkin

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2018 AOTrauma North America Course Schedule

Basic and Advanced Courses

January 11 – 14, 2018

Basic Principles of Fracture Management
Charlotte, North Carolina

March 1 – 4, 2018

Basic Principles of Fracture Management
Birmingham, Alabama

March 22 – 25, 2018

Principles of Fracture Management Courses
Part 1: Basic Principles
Part 2: Advanced Principles
Kansas City, Missouri

May 31 – June 3, 2018

Principles of Fracture Management Courses
Part 1: Basic Principles
Part 2: Advanced Principles
Madison, Wisconsin

August 16 – 19, 2018

Basic Principles of Fracture Management
Louisville, Kentucky

September 13 – 16, 2018

Principles of Fracture Management Courses
Part 1: Basic Principles
Part 2: Advanced Principles
San Diego, California

November 1 – 4, 2018

Basic Principles of Fracture Management
Chicago, Illinois

November 29 – December 2, 2018

Basic Principles of Fracture Management
Baltimore, Maryland

Additional Courses of Interest

January 12 – 15, 2018

New England Regional Fracture Summit
Stowe, Vermont

April 19 – 21, 2018

The Traumatized Hand and Wrist:
Interactive Case-Based Approach
Las Vegas, Nevada

May 10 – 13, 2018

Pelvic & Acetabular Fracture Management
(with Human Anatomic Specimens)
Tampa, Florida

September 13 – 15, 2018

Co-Management of the Geriatric Fracture Patient
San Diego, California

November 1 – 4, 2018

Trauma Update: Tips and Tricks for
Orthopaedic Surgeons
Marco Island, Florida

All live educational activities will be approved for
AMA PRA Category 1 Credit™
All courses subject to modification.

Please visit our website: www.aona.org to
see all current course offerings.

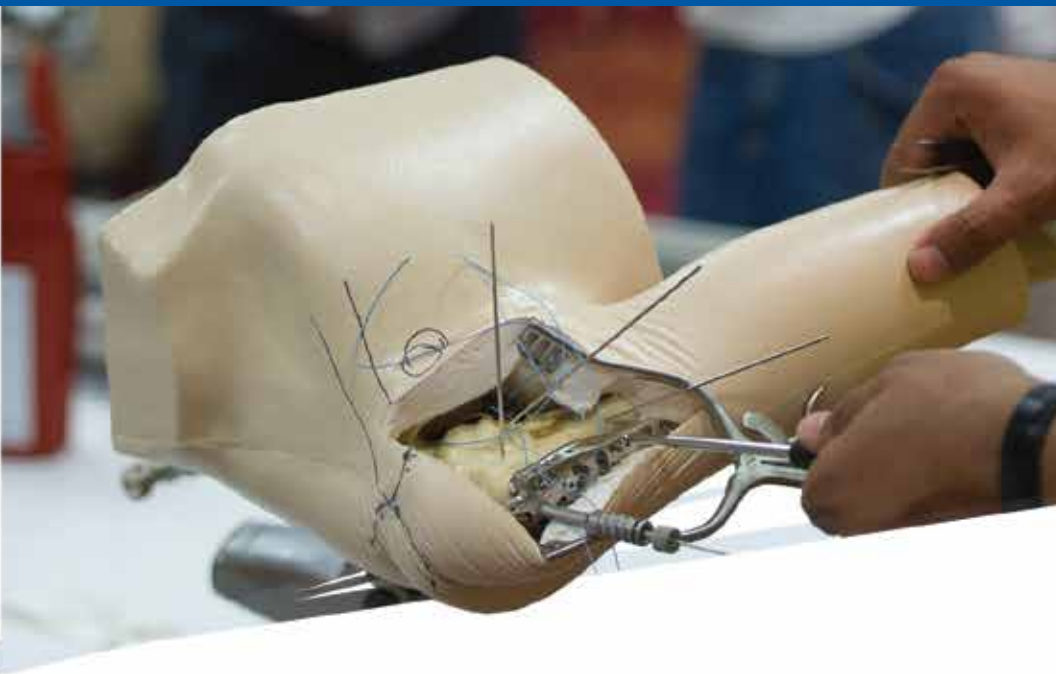
CME Mission Statement

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 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 all aspects of musculoskeletal injuries and disorders (i.e., pre-operative planning to post-operative care)





Course Description

The Advanced Course will focus on the treatment of complex fractures and fracture complications. This will be accomplished through didactic presentations and group discussions between the participants and faculty. In addition, surgical techniques will be practiced on artificial bones. Topics will include: complex fractures of the upper and lower extremities, fractures of the pelvis and acetabulum, fracture complications and polytrauma management. Participants will have opportunity to address treatment of malunions and nonunions, using preoperative planning and current fixation techniques.

Discussion Groups

Daily small groups will provide a unique opportunity for both the participants and faculty to discuss cases that will complement the AO Principles presented in the lectures and labs.

Meet the Experts

A "Meet the Experts" session will be held for Advanced Course participants to present their cases to faculty for discussion and evaluation of treatment methods used. Please bring your cases on CD or memory stick for discussion.

Target Audience

Enrollment in this Course is open to orthopedic surgeons and residents who have previously taken the AO Basic Principles of Fracture Management Course.

Learner Objectives

At the conclusion of this Course, the participants should be able to:

- Apply reduction techniques in fracture management with attention to soft tissue
- Assess and treat complex diaphyseal and (peri)articular fractures using advanced application techniques
- Demonstrate strategies for assessing and treating open fractures and soft-tissue injuries
- Initiate appropriate management for patients with pelvic injuries and polytrauma
- Recognize complications and manage accordingly



Accreditation



AO North America is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AONA has been resurveyed by the Accreditation Council for Continuing Medical Education (ACCME) and awarded **Accreditation with Commendation**.

Designation Statement

AO North America designates this live educational activity for a maximum of 27.0 *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.



Advanced Course Agenda – Day 1

Time	Agenda Title
08:00 – 08:10	Introduction Welcome How to Maximize your Experience
08:10 – 08:25	ARS PreTest
08:25 – 09:15	Module 1: GENERAL CONCEPTS
08:25 – 08:40	Direct and Indirect Reduction: Indications and Techniques; Respecting the Behavior of Bone
08:40 – 08:55	Locked Plating: When to Use, Not to Use, How to Use
08:55 – 09:05	Minimally Invasive Surgery "MIO"; Indications and Techniques
09:05 – 09:15	Discussion and AIRS
09:15 – 10:20	Module 2: DIAPHYSEAL FRACTURE MANAGEMENT
09:15 – 09:30	Tibia: Current Controversies
09:30 – 09:45	Femur: Current Controversies
09:45 – 09:55	Humerus: Current Controversies
09:55 – 10:20	Diaphyseal Case Discussions with Faculty Panel
10:20 – 10:40	Coffee Break and Travel to Lab
10:40 – 12:10	PRACTICAL EXERCISE I: (Plating of a Distal Tibia Metaphyseal Fracture) Minimally Invasive Plate Osteosynthesis (MIPO) (with universal distractor)
12:10 – 13:00	Lunch
13:00 – 14:00	Module 3: ARTICULAR FRACTURES – SHOULDER
13:00 – 13:10	Clavicle Fractures: Indications/Techniques
13:10 – 13:25	Scapula and Glenoid Fractures
13:25 – 13:35	Proximal Humerus: Indications and Techniques for Open Reduction and Internal Fixation (ORIF)
13:35 – 13:45	Proximal Humerus: Indications and Techniques for Arthroplasty
13:45 – 14:00	Discussion and AIRS
14:00 – 14:05	Travel to Lab

Advanced Course Agenda – Day 1 (continued)

Time	Agenda Title
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14:05 – 15:05	PRACTICAL EXERCISE II: Four-Part Proximal Humerus Fracture
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15:05 – 15:25 Coffee Break and Travel to Lectures

15:25 – 16:20 **Module 4: ARTICULAR FRACTURES – ELBOW/WRIST**

15:25 – 15:35 ORIF Distal Intra-articular Humerus Fractures: Update, Techniques and Complications

15:35 – 15:50 Fracture Dislocations of the Elbow

15:50 – 16:05 Distal Intra-articular Radius Fractures: Update

16:05 – 16:20 Questions / Answers and AIRS

16:20 – 16:30 Travel to Discussion Groups

16:30 – 18:00 Discussion Group One: Diaphysis – Upper & Lower Extremity

Acknowledgement:

AO North America gratefully acknowledges funding for its educational activities from the AO Foundation. The AO Foundation receives funding for education from Synthes GmbH.



Advanced Course Agenda – Day 2

Time	Agenda Title
08:30 – 09:20	PRACTICAL EXERCISE III: Distal Intra-Articular Humerus Fracture
09:20 – 09:25	Travel to Lecture
09:25 – 10:20	Module 5: ARTICULAR FRACTURES – KNEE
09:25 – 09:35	Supracondylar Femur Fractures: Current Techniques
09:35 – 09:45	Knee Dislocations: Principles of Emergency Management
09:45 – 09:55	Questions / Answers and AIRS
09:55 – 10:10	Tibial Plateau: Current Techniques
10:10 – 10:20	Questions / Answers and AIRS
10:20 – 10:40	Coffee Break and Travel to Lab
10:40 – 12:20	PRACTICAL EXERCISE IV: Locked Condylar Plate – Distal Femur (with universal distractor)
12:20 – 13:20	Lunch
13:20 – 14:40	PRACTICAL EXERCISE V: Bicondylar Tibial Plateau (with universal distractor)
14:40 – 14:50	Travel to Lectures
14:50 – 15:40	Module 6: ARTICULAR FRACTURES – HIP
14:50 – 15:00	Femoral Head Fractures
15:00 – 15:10	Femoral Neck Fractures: Techniques
15:10 – 15:25	ORIF Peritrochanteric Fractures: Indications and Techniques, When I use a Nail vs. a Plate
15:25 – 15:40	Questions / Answers and AIRS
15:40 – 15:45	Travel to Small Group Discussions
15:45 – 17:15	Discussion Group Two: Articular Fractures – Upper and Lower Extremity
18:00 – 19:00	Reception – (Participants and Faculty Only)

Advanced Course Agenda – Day 3

Time	Agenda Title
08:00 – 09:30	Module 7: FOOT / ANKLE Current Techniques for:
08:00 – 08:15	Complex Ankle Fractures
08:15 – 08:30	Pilon Fractures
08:30 – 08:45	Talus Fractures
08:45 – 09:00	Calcaneus Fractures
09:00 – 09:15	Midfoot Injuries (including Lisfranc, Navicular, Cuboid)
09:15 – 09:30	Questions / Answers and AIRS
09:30 – 09:40	Travel to Discussion Groups
09:40 – 10:40	Discussion Group Three – Foot & Ankle (with break)
10:40 – 10:50	Travel to Lab
10:50 – 12:50	PRACTICAL EXERCISE VI: ORIF FOOT/ANKLE A. Talar Neck B. Calcaneus
12:50 – 13:50	Lunch (Optional Meet the Experts)
13:50 – 14:50	Module 8: ARTICULAR FRACTURES – PELVIS
13:50 – 14:05	Acute Management of High Energy Pelvic Disruption
14:05 – 14:20	Radiology of the Acetabulum
14:20 – 14:35	Acetabular Fractures: Acute Management / Decision Making
14:35 – 14:50	Questions / Answers and AIRS
14:50 – 15:10	Coffee Break
15:10 – 16:10	Module 9: DIFFICULT FRACTURE PROBLEMS
15:10 – 15:20	Malunions: Principles/Common Techniques
15:20 – 15:35	Nonunions: Principles/Common Techniques
15:35 – 15:50	Bone Defects: Strategies (Including Biologic Membrane and Bone Transport)
15:50 – 16:00	Bone Graft Substitutes: Update
16:00 – 16:10	Question / Answers and AIRS
16:10 – 16:30	ARS Post Test
16:30 – 16:40	Travel to Discussion Groups
16:40 – 18:00	Discussion Group Four: Pelvis, Difficult Fracture Problems, and Other Articular Fractures

Advanced Course Agenda – Day 4

Time	Agenda Title
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08:00 – 09:35	PRACTICAL EXERCISE VII: Femoral Malunion: Osteotomy
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09:35 – 09:55 Coffee Break and Travel to Lectures

09:55 – 11:10 Module 10: DIFFICULT PROBLEMS

09:55 – 10:05 Deep Vein Thrombosis (DVT) Prophylaxis: When, Why, How?

10:05 – 10:15 Insufficiency Fractures: Overview and Fixation Techniques

10:15 – 10:25 Mangled Extremity: Decision Making; Salvage vs. Amputation

10:25 – 10:35 Infection Post Fixation: Management Principles

10:35 – 10:45 Periprosthetic Fractures

10:45 – 10:55 Staying Out of Trouble

10:55 – 11:10 Question / Answers and AIRS

11:10 – 11:15 Closing Comments



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 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 \$1195.00 (US funds)
 Attending \$1585.00 (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.

Cancellation Policy

PLEASE NOTE: Full refunds will be made only if written notice of cancellation is received by the Course registration deadline date. Cancellations received after the deadline date will be charged a 10% cancellation fee. No tuition refund will be issued for cancellations after the start date of the 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.

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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– Ovid, Injury and Journal of Perioperative Practice
- Case Forum, AO Surgery Reference,
AO Traumaline™, online lectures/videos
- Special member offers



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AOTNA Advanced 2018