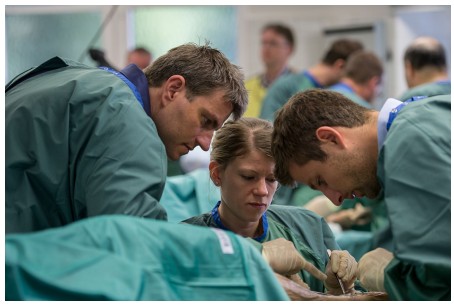
# AO Trauma and AO Trauma NA Masters Course—Foot and Ankle

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

**Course Description:**
Surgeons participating in this course will concentrate on the application of surgical planning and advanced techniques in the management of complex foot and ankle injuries.
Case-based lectures and interactive sessions promote exchange between course participants and faculty members. Discussing cases in small groups deepens participants' understanding and application of decision-making and surgical management skills.
At the anatomical specimen laboratory, participants are trained in the application of different techniques and approaches.
Ample opportunities are provided to share experiences and cases with peers and the expert international faculty. It is our intention to respond to the needs of participants by accommodating their topics of interest and facilitating discussions at an expert level.



**Goal of the Course:**
The AO Trauma Masters Course—Foot and Ankle covers the current concepts and techniques on how to recognize, characterize, and treat complex fractures, dislocations, and soft-tissue injuries involving the foot and ankle as well as dealing with complications of these injuries. Surgical exposures will be practiced extensively on anatomical specimens.

**Target Participants:**
Specialized orthopedic surgeons interested in advancing their expertise in the management of foot and ankle injuries and associated pitfalls, problems, and complications.

Participants must have completed the AO Trauma Basic Principles of Fracture Management Course and preferably a regional subspecialty Foot and Ankle course. Participants must be willing to share their ideas and 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

**Venue:**
Hilton Miami Blue Lagoon

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

**Language(s):**
English

**Jointly Provided By:**
AO North America

AO Trauma

**Professional Level Prerequisite(s):**
No Prerequisites

## CME

**Continuing Education Credit: 24.25**

- 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 24.25 ***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:**

- Identify the characteristics of complex foot and ankle fractures and dislocations
- Apply appropriate diagnostic tools to adequately assess foot and ankle injuries
- Identify the indications for nonoperative and surgical treatment
- Formulate the principles for surgical techniques to treat traumatic injuries of the ankle, hindfoot, and midfoot
- Perform the essential and extended surgical approaches and apply selected fixation techniques on anatomical specimen
- Prevent, identify, and treat complications, and estimate long-term outcome

## Faculty

### Darwish, Husam - Co-Chairperson
MB, ChB
Consultant Orthopedic Surgeon
Department of Orthopedic Surgery
King Abdulaziz University
Jeddah

### Reed, Lori - Co-Chairperson
MD
Professor
Department of Orthopaedics
University of Mississippi
Jackson, Mississippi

### Arafah, Orfan - Lecturer
FRCS(C), MBBS
Consultant orthopaedic surgeon
King Saud University
Riyadh

### Clare, Michael - Lecturer
MD
360-Orthopedics
Sarasota, Florida

### Dhillon, Mandeep - Lecturer
MBBS, MD, FRCS, FAMS
Prof Dr
Chief of Orthopaedics
PGIMER
Chandigarh, Chandigarh

Chairman Research AOTAP Prof & Head Orthopaedics and Trauma Services, PGIMER Chandigarh India Former President, Indian Orthopaedic Association, Indian Foot & Ankle Society

### Godoy-Santos, Alexandre - Lecturer
MD, PhD
Professor
Chief of Foot and Ankle Service
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University of Sao Paulo
Sao Paulo, Brazil
Sao Paulo, Sao Paulo

### Lalonde, Karl - Lecturer
MD, FRCSC, BASc, MEd
Associate Professor
Residency Program Director
Division of Orthopedic Surgery
University of Ottawa
The Ottawa Hospital
Ottawa, Ontario

### Ortiz, Cristian - Lecturer

MD
Chief of Foot and Ankle
Clinica U de Los Andes
IFFAS President
AO Foot and Ankle Task Force
santiago

Chief of Foot and Ankle Professor U de los Andes Clinica U de Los Andes. Santiago , Chile IFFAS president 2020-2023 AO foot and ankle Task Force Past presidente Chilean Orthopedic Society Past president Chilean Foot and ankle Society AOFAS membership and educational committe member SICOT educational committe member

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### Rammelt, Stefan - Lecturer

MD, PhD
Professor
Head of the Foot & Ankle Center
University Center of Orthopeadics, Trauma and Plastic Surgery
University Hospital Carl Gustav Carus
Dresden, Germany

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### Sangeorzan, Bruce - Lecturer

MD
Professor
University of Washington Orthopaedics at Harborview Medical Center
Seattle, Washington

Dr. Sangeorzan is a University of Washington Professor of Orthopedics and Sports Medicine and an internationally recognized expert in diagnosis and treatment of injuries and disorders of the foot and ankle. He has been recognized as a Best Doctors in America --one of less than 1% who have been so recognized for more than 20 years-- and selected as Orthopedics' 25 Most Influential Foot and Ankle Surgeons in North America. His work has been recognized by peers with the Kappa Delta Awards/OREF Clinical Research Award, the Paul B. Magnuson Award for Outstanding Achievement in Research, the American Military Surgeons of the US Sustaining Membership award, the Mann Award for Foot and Ankle research, The Sigvard T Hansen Jr. Award and the UW Department of Orthopedics Resident Teaching award. Dr. Sangeorzan’s clinical care is focused on disorders of the foot and ankle from sports or major trauma, deformities of the foot and ankle, arthritis and disorders of the ligaments and tendons. His Research is funded by the National Institute of Health (NIH), the Department of Veterans Affairs and the Department of Defense.

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# Agenda

## Day 1

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

| Schedule | Title | Moderator | Faculty | Room |
|---|---|---|---|---|
| 15:00 - 16:00 | Opening of the course venue | | | |
| 16:00 - 17:00 | Registration of participants | | | |
| 17:00 - 19:00 | Opening ceremony and AO Trauma reception | | | |

## Day 2

**Friday, May 13, 2022 - 08:00 - 18:00 - (includes breaks, travel-time and meals)**

| Schedule | Title | Moderator | Faculty | Room |
|---|---|---|---|---|
| 08:00 - 08:10 | Welcome and introduction to the course | | | |
| 08:10 - 10:10 | Module 1: Ankle Fractures | | | |
| 08:10 - 09:20 | Round Table Discussion 1: Ankle Fractures - Table 1, Table 2, Table 3, Table 4, Table 5, Table 6 | | | |
| 09:20 - 09:35 | Keynote lecture—ankle fractures | | | |
| 09:35 - 10:10 | Plenary session—ankle fractures | | | |
| 10:10 - 10:30 | Coffee break | | | |
| 10:30 - 12:20 | Module 2: Ankle Trauma—Pilon Fractures | | | |
| 10:30 - 11:30 | Round Table Discussion 2: Pilon Fractures - Table 1, Table 2, Table 3, Table 4, Table 5, Table 6 | | | |
| 11:30 - 11:45 | Keynote lecture—pilon fractures | | | |
| 11:45 - 12:20 | Plenary session—pilon fractures | | | |
| 12:20 - 13:20 | Lunch Break | | | |
| 13:20 - 15:20 | Module 3: Hindfoot Trauma—Calcaneal Fractures | | | |
| 13:20 - 14:30 | Round Table Discussion 3: Calcaneal Fractures - Table 1, Table 2, Table 3, Table 4, Table 5, Table 6 | | | |
| 14:30 - 14:45 | Keynote lecture—calcaneal fractures | | | |
| 14:45 - 15:20 | Plenary session—calcaneal fractures | | | |
| 15:20 - 15:50 | Coffee break | | | |
| 15:50 - 17:45 | Module 4 : Hindfoot Trauma—Talar Fractures | | | |
| 15:50 - 17:00 | Round Table Discussion 4: Talar Fractures - Table 1, Table 2, Table 3, Table 4, Table 5, Table 6 | | | |
| 17:00 - 17:15 | Keynote lecture—talar fractures | | | |
| 17:15 - 17:45 | Plenary session—talar fractures | | | |
| 17:45 - 18:00 | Summary, evaluation, and take home-massages | | | |

## Day 3

**Saturday, May 14, 2022 - 08:00 - 18:20 - (includes breaks, travel-time and meals)**

| Schedule | Title | Moderator | Faculty | Room |
|---|---|---|---|---|
| 08:00 - 08:10 | Introduction to today's module | | | |
| 08:10 - 10:00 | Module 5: Midfoot fractures | | | |
| 08:10 - 09:10 | Round Table Discussion 5: Midfoot Fractures - Table 1, Table 2, Table 3, Table 4, Table 5, Table 6 | | | |

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|---|---|
| 09:10 - 09:25 | Keynote lecture—midfoot fractures |
| 09:25 - 10:00 | Plenary session—midfoot fractures |
| 10:00 - 10:20 | Coffee break |
| 10:20 - 12:10 | Module 6: Severe soft tissue injuries and amputations |
| 10:20 - 11:20 | Round table discussion 6 Soft Tissue Injuries and Amputations - Table 1, Table 2, Table 3, Table 4, Table 5, Table 6 |
| 11:20 - 11:35 | Keynote lecture—soft tissue injuries and amputations |
| 11:35 - 12:10 | Plenary session— soft tissue injuries and amputations |
| 12:10 - 13:00 | Lunch break |
| 13:00 - 13:30 | Transfer to the anatomical laboratory |
| 13:30 - 13:40 | Preparation for the anatomical specimen laboratory |
| 13:40 - 13:50 | Introduction to the lab |
| 13:50 - 17:50 | Anatomical Specimen Laboratory 1 • Anterior approach to ankle with anterior plating • Anterolateral approach to ankle with lateral plating of the talar neck • Posterolateral approach to ankle with distraction arthrodesis of the subtalar joint |
| 17:50 - 18:00 | Summary, evaluation, and take home-messages |
| 18:00 - 18:20 | Transfer to the course venue |

## Day 4

**Sunday, May 15, 2022 - 08:00 - 17:20 - (includes breaks, travel-time and meals)**

| Schedule | Title | Moderator | Faculty | Room |
|---|---|---|---|---|
| 08:00 - 08:05 | Introduction to today's module | | | |
| 08:05 - 09:40 | Module 7 Moderator: Post-traumatic hindfoot reconstruction | | | |
| 08:05 - 08:50 | Round table discussion 7: Post-traumatic hindfoot reconstruction - Table 1, Table 2, Table 3, Table 4, Table 5, Table 6 | | | |
| 08:50 - 09:05 | Keynote lecture—hindfoot reconstruction | | | |
| 09:05 - 09:40 | Plenary session— hindfoot reconstruction | | | |
| 09:40 - 10:00 | Coffee break | | | |
| 10:00 - 11:35 | Module 8: Special fracture patterns, special consideration, techniques (syndesmotic injuries, Chaput fractures, traumatic osteochondral lesion of the talus (OLT), ankle arthroscopy/ankle fractures) | | | |
| 10:00 - 10:15 | Syndesmotic injuries | | | |
| 10:15 - 10:30 | Chaput fractures | | | |
| 10:30 - 10:45 | Traumatic OLTs | | | |
| 10:45 - 11:00 | Use of ankle arthroscopy in ankle fractures | | | |
| 11:00 - 11:35 | Plenary session—special considerations | | | |
| 11:35 - 12:15 | Lunch break | | | |
| 12:15 - 12:35 | Transfer to the anatomical laboratory | | | |
| 12:35 - 12:45 | Preparation for the anatomical specimen laboratory | | | |
| 12:45 - 16:45 | Anatomical Specimen Laboratory 2 • Anteromedial approach (talar neck and head) • Talus - medial malleolar osteotomy • Medial Chopart/Lisfranc approach with bridge plating/ORIF navicular • Lateral Chopart/Lisfranc approach • Gastroc slide • Tibiotalocalcaneal arthrodesis nail - fibular osteotomy vs anterior approach+sinus tarsi approach • Chopart amputation | | | |
| 16:45 - 17:00 | Summary of the course, evaluation, and take home-messages | | | |

17:00 - 17:20 Transfer to the course venue

## 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.