

Event program

AOTrauma Course—Advanced Principles of Fracture Management

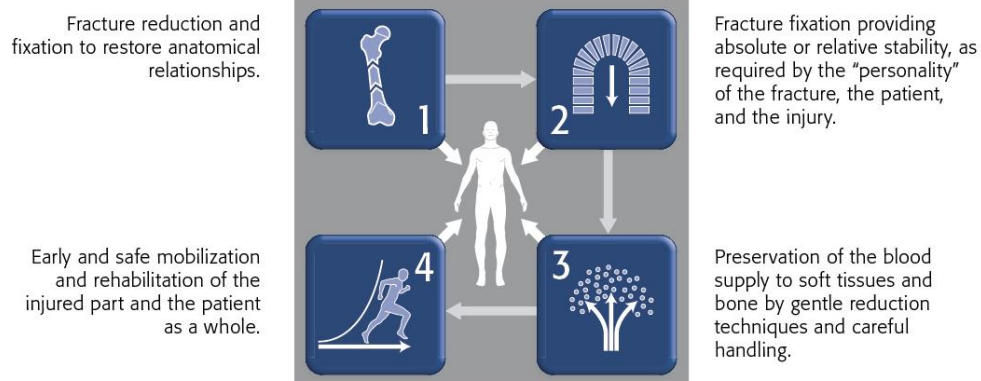
November, 13- 15, 2019 Riga, Latvia

(Picture)

Value statement

AOTrauma is committed to improve patient care outcomes through the highest quality education. We strive to combine the right knowledge and surgical skills that empower the orthopedic and trauma surgeons to put theory into practice and to improve fracture management for the benefit of the patient.

The AO principles of fracture management



Welcome

Dear AOTrauma course participant,

Welcome to the AOTrauma Course—Advanced Principles of Fracture Management, which is planned and delivered to meet your needs using a competency-based curriculum approach and the AO's seven principles for high-quality education.

AO Trauma's innovative approach to education has been further strengthened as a result of the successful collaboration with the AO Education Institute in the application of state-of-the-art educational concepts in curriculum planning and all faculty development programs.

This course is one of our many educational activities for providing lifelong learning, from the Residents Education Program through to specialized Continuing Professional Development (CPD) for practicing surgeons and clinicians.

We believe that your active engagement in this course will result in improved care for your patients. Your current level of knowledge and skills will be challenged by the activities and throughout the entire event. We are confident that the combination of education principles and relevant content from our curriculum, as well as your interaction with colleagues and expert faculty will provide an effective learning experience that meets your needs.

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.

We hope you enjoy the course and benefit from the networking opportunities it provides for you to share experiences with your colleagues.



Wa'el Taha
Chairperson AOTrauma
Education Commission



Kodi Kojima
Chairperson AOTrauma
International Board

If you enjoy the experience during your course and would like to stay in touch with the organization and its international network of surgeons, we invite you to become a member of AOTrauma. The benefits of membership, including options to get involved in new opportunities that advance trauma care are described at www.aotrauma.org.

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Goal of the course

The AOTrauma Course—Advanced Principles of Fracture Management builds upon the AO principles and techniques learned in the AOTrauma Course—Basic Principles of Fracture Management and focuses on the principles and techniques of operative fracture management in more complex injuries.

Target participants

The AOTrauma Course—Advanced Principles of Fracture Management is targeted at surgeons who are at the threshold of becoming independent surgeons and taking over decision-making responsibility for the treatment of complex injuries. Participants must have already completed the AOTrauma Course—Basic Principles of Fracture Management and must be actively involved in trauma management.

Learning objectives

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

- Apply reduction techniques in fracture management with attention to soft tissues
- 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 them accordingly

Course description

Online precourse self-assessment prepares participants for the course and allows the faculty to tailor the course to the needs of the participants. Before attending the course, participants are expected to complete an online module on fracture reduction.

The course will be taught in a modular format. Each module consists of several evidence-based lectures, which will cover the key information required. In practical exercises participants will be trained in the application of various techniques. Discussing cases in small groups will help participants to understand decision-making and management skills.

After the course, an online post course self-assessment will provide participants an opportunity to review the important topics from the course. In order to support self-directed learning, a range of additional online resources will be offered.

Chairpersons



Marcis Radzins

Traumatology and Orthopaedic Hospital, Riga, Latvia

International Faculty

Regional Faculty

A.Smirnov

A.Makulavicius

National Faculty

Aigars Vugulis, Traumatology and Orthopaedic Hospital, Riga, Latvia

Maris Zambrans, Traumatology and Orthopaedic Hospital, Riga, Latvia

Inese Breide, Traumatology and Orthopaedic Hospital, Riga, Latvia

Igors Terjajevs, Traumatology and Orthopaedic Hospital, Riga, Latvia

Igors Kolosovs, Traumatology and Orthopaedic Hospital, Riga, Latvia

Martins Malzubris, Traumatology and Orthopaedic Hospital, Riga, Latvia

Day 1, Wednesday, November 13, 2019

TIME	AGENDA ITEM	WHO
08:00–08:10	Welcome and introduction	M. Radzins
08:10–08:25	Review of the principles of fracture management	A. Smirnov
08:25–08:40	Tissue vitality and effect of injury	M. Malzubris
08:40–08:55	Minimally invasive osteosynthesis (MIO)—minimizing surgical footprints	A. Sitnik
08:55–09:10	Clinical indications for locked plating	I. Kolosovs
09:10–09:15	TRANSFER TO PRACTICAL EXERCISES ROOM	
09:15–10:30	Practical exercise 1: Reduction techniques	A. Smirnov
10:30–10:45	COFFEE BREAK	
10:45–12:05	Small group discussion 1: Reduction techniques—concepts and application	
12:05–12:20	Fractures of the clavicle: when and how to operate—indications and methods of fixation	A. Vugulis
12:20–12:35	Fractures of the scapula: indication for surgery and methods of fixation	
12:35–12:50	Proximal humeral fractures—to fix, replace, or treat nonoperatively?	M. Radzins
12:50–13:00	Cased based summary Q&A	
13:00–14:00	LUNCH BREAK	
14:00–15:20	Practical exercise 2: Fixation of a proximal forearm fracture Philos	M. Radzins
15:20–15:35	COFFEE BREAK	
15:35–15:50	Complex humeral shaft fractures	A. Vugulis
15:50–16:00	Distal humerus—intraarticular fractures and complications	I. Breide
16:00–16:10	Fracture dislocation of the elbow	I. Kolosovs

16:10–16:25	Distal radial fractures	M. Radzins
16:25–16:35	Cased based summary Q&A	
16:35–16:40	TRANSFER TO SMALL DISCUSSION GROUP	
16:40–18:10	Small group discussion 2: Upper extremity fractures—decision-making and methods of stabilization	

Day 2, Thursday, November 14, 2019

TIME	AGENDA ITEM	WHO
08:00–09:30	Practical exercise 3: Fixation of a type 13C1 fracture in the distal humerus with LCP	I. Breide
09:30–09:50	COFFEE BREAK	
09:50–10:05	Femoral neck fractures—different patients, different problems	M.Zambrans
10:05–10:20	Intertrochanteric fractures—treatment options and outcomes	A.Sitnik
10:20–10:35	Current treatment and options of subtrochanteric fractures	A.Smirnov
10:35–10:50	Femoral shaft fractures	I.Terjajevs
10:50–11:05	Distal femoral fractures—treatment options and outcomes	I.Kolosovs
11:05–11:15	Cased based summary Q&A	
11:15–11:20	TRANSFER TO SMALL DISCUSSION GROUP	
11:20–12:50	Small group discussion 3: Fractures on the femur	
12:50–13:50	LUNCH BREAK	
13:50–15:20	Practical exercise 4: Distal femur: fixation of an intraarticular type 33C2.1 fracture using an LCP distal femoral plate	A. Smirnov
15:20–15:25	TRANSFER TO LECTURE HALL	
15:25–15:40	Tibial shaft fractures (proximal, distal, and segmental)	A. Sitnik

15:40-15:55	Complex tibial plateau fractures	M. Zambrans
15:55-16:10	Early and definitive treatment of pilon fractures	I. Terjajevs
16:10-16:25	Complex malleolar fractures	A. Makulavicius
16:25-16:35	Cased based summary Q&A	
16:35-16:55	COFFEE BREAK	
16:55-18:15	Practical exercise 5: 41C3 bicondylar tibial plateau fracture with LCP	

Day 3, Friday, November 15, 2019

TIME	AGENDA ITEM	WHO
08:00-09:30	Practical exercise 6: 43C2.3 distal tibial fracture using an LCP distal tibial plate and an LCP one-third tubular plate	A. Sitnik
09:30-09:35	TRANSFER TO LECTURE HALL	
09:35-09:50	Calcaneal fractures—predicting and avoiding problems	M. Malzubris
09:50-10:05	Talar neck fractures and complications	I Terjajevs
10:05-10:20	Navicular and Lisfranc injuries and complications	M. Zambrans
10:20-10:30	Questions & Answers	
10:30-10:50	COFFEE BREAK	
10:50-12:05	Small group discussion 4: Fractures of the tibia, ankle, and foot	
12:05-13:05	LUNCH BREAK	
13:05-13:20	Evaluation and emergency management of pelvic ring injuries	
13:20-13:35	Management of multiple-injured patients (ETC/DCO/EAC)	
13:35-13:50	Principles of acetabular fracture management	A. Smirnov

13:50-14:00	Summary and Q&A	
14:00-15:00	Patient positioning. Workshop	
15:00-15:20	COFFEE BREAK	
15:20-15:35	Mangled extremity management	P. Gudushauri
15:35-15:50	Treatment of metaphyseal and diaphyseal nonunions	
15:50-16:05	Infection after osteosynthesis	M. Malzubris
16:05-16:20	Principles of orthogeriatric fracture care (osteoporotic fractures)	
16:20-16:35	The AO world—your lifelong learning within AO, Violation of principled	A. Makulavicius
16:35-16:45	Summary and Q&A	
16:45-16:50	Closing remarks	

Event organization

AOTrauma Europe Anja Sutter

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AO funding sources

Unrestricted educational grants from different sources are collected and pooled together centrally by the AO Foundation. All events are planned and scheduled by local and regional AO surgeon groups based on local needs assessments. We rely on industrial/commercial partners for in-kind support to run simulations/skills training if educationally needed.

Event information and logistics

AO Courses Latvia

Alise Smukina-Skele

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Event organization compliance

In certain countries where AO has no office but offers educational events, the AO cooperates with third party companies to conduct local organization and logistics, as well as to communicate with participants in the local language. In these cases the AO has put rules and guidelines in place (Letter of Secondment, AO Foundation—Principles of AO Educational Events) to ensure that this cooperation has no impact on the curricula, scientific program, or faculty selection.

General information

Course fee

AO Trauma Course—Advanced Principles of Fracture Management: **899 EUR**

Included in the event fee are conference bag with documentation, coffee breaks, course certificate.

Conflicts of Interest (COI)

All disclosure information can be viewed at the event webpage:

Evaluation guidelines

All AO Trauma events apply the same evaluation process, **either online (pre- and post-event evaluation) or/and on-site by audience response system (ARS) or paper and pencil questionnaires**. This helps AO Trauma to ensure that we continue to meet your training needs.

Intellectual property

Event materials, presentations, and case studies are the intellectual property of the event faculty. All rights are reserved. Check hazards and legal restrictions on www.aofoundation.org/legal.

Recording, photographing, or copying of lectures, practical exercises, case discussions, or any event materials is absolutely forbidden.



The AO Foundation reserves the right to film, photograph, and audio record during their events. Participants must understand that in this context they may appear in these recorded materials. The AO Foundation assumes participants agree that these recorded materials may be used for AO marketing and other purposes, and made available to the public.

Security

There will be a security check at the entrance of the building. Wearing of a name tag is compulsory during lectures, workshops, and group discussions.

No insurance

The event organization does not take out insurance to cover any individual against accidents, theft, or other risks.

Mobile phone use

Mobile phone use is not allowed in the lecture halls and in other rooms during educational activities. Please be considerate of others by turning off your mobile phone.

Transportation

Not provided for participants

Dress code

Casual

Further information

Event venue

Radisson Blu Daugava Hotel,
Kugu Street 24,
Riga, LV-1007
Latvia

www.radissonblu.com/en/hotel-riga



Accommodation for participants

Radisson Blu Daugava Hotel,
Kugu Street 24,
Riga, LV-1007
Latvia

AO Foundation—Principles of AO Educational Events

1) Academic independence

Development of all curricula, design of scientific event programs, and selection of faculty are the sole responsibilities of volunteer surgeons from the AO network. All education is planned based on needs assessment data, designed and evaluated using concepts and evidence from the most current medical education research, and involving the expertise of the AO Education Institute (www.aofoundation.org).

Industry participation is not allowed during the entire curriculum development and planning process to ensure academic independence and to keep content free from bias.

2) Compliance to accreditation and industry codes

All planning, organization, and execution of educational activities follow existing codes for accreditation of high-quality education:

- Accreditation Criteria of the Accreditation Council for Continuing Medical Education, USA (www.accme.org)
- ACCME Standards for Commercial Support: Standards to Ensure Independence in CME Activities (www.accme.org)
- Criteria for Accreditation of Live Educational Events of the European Accreditation Council for Continuing Medical Education (www.uems.eu)

Events that receive direct or indirect unrestricted educational grants or in-kind support from industry also follow the ethical codes of the medical industry, such as:

- Eucomed Guidelines on Interactions with Healthcare Professionals (www.medtecheurope.org)
- AdvaMed Code of Ethics on Interactions with Health Care Professionals (advamed.org)
- Mecomed Guidelines on Interactions with Healthcare Professionals (www.mecomed.org)

3) Branding and advertising

No industry logos or advertising (with the exception of the AO Foundation and AO Clinical Division) are permitted in the area where educational activities take place.

Sponsors providing financial or in-kind support are allowed to have a promotional booth or run activities outside the educational area with approval from the event chairperson.

4) Use of technologies and products in simulations

If case simulations are chosen as an educational method to educate skills, we only use technology approved by the AOTK System (AOTK)—a large independent group of volunteer surgeons developing and peer-reviewing new technology (more information about AOTK, its development and approval process can be found on the AO Foundation website:

www.aofoundation.org).

5) Personnel

Industry staff is not allowed to interfere with the educational content or engage in educational activities during the event.



Driving excellence and empowering the next generation

AOTrauma membership

Discover the advantages of joining the leading global trauma and orthopedic community, providing its members with education, research and networking opportunities worldwide.

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