

Course program

AOTrauma Course—Advanced Principles of Fracture Management

November, 8-10, 2017 Siófok, Hungary

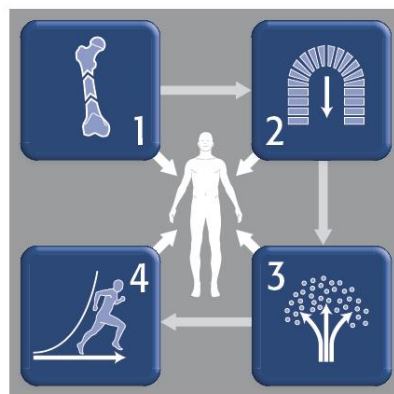
Value statement

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

Fracture reduction and fixation to restore anatomical relationships.

Early and safe mobilization and rehabilitation of the injured part and the patient as a whole.



Fracture fixation providing absolute or relative stability, as required by the "personality" of the fracture, the patient, and the injury.

Preservation of the blood supply to soft tissues and bone by gentle reduction techniques and careful handling.

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.

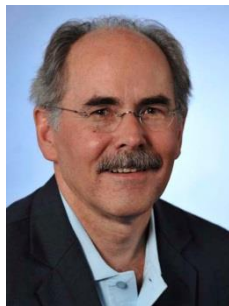
We believe that your active engagement in this course will result in improved care for your patients. Your current level of knowledge and skills will be challenged by the activities and throughout the entire event. We are confident that the combination of education principles and relevant content from 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



John (Jack) Wilber
Chairperson AOTrauma
International Board



Peter Brink
Chairperson AOTrauma
EU Education Committee

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 postcourse 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.

Welcome words

Dear Colleagues of Ours,

It is a great pleasure and honor for us to organize an International AOTrauma Advanced Course in Hungary again. The last one was many years ago and we think that it is high time to discuss about our profession at a higher level and consult about those principles, injuries and operative techniques which require experienced trauma surgeons. The generation of the trauma surgeons who have been practicing for years and lead duties, can feel themselves to be a stepchild of the Hungarian AO education after the video seminars stood still.

The basic course is compulsory part of the trauma surgeon education. Considering the number of the courses and the trauma surgeon candidates we guess all of them could participate at a basic course. This course is directed to those who know the basics perfectly and would like to discuss about the more complicated cases how to treat them, how to solve the problems, what the most proper techniques are nowadays. To create the content of an advanced course is more difficult than of a basic or master's one. If it is close to the basic level it could be boring for the audience. If it is too specialized it can become useless in the daily practice. When we created the program we focused on the more complicated cases which require a skilled and experienced surgeon. So this course is for them. We will not discuss all the fractures of the different regions only those ones which require advanced level to treat.

The role of the faculty is essential to give not only information but also inspiration to the audience. Those who have been invited are all excellent lecturers and experts of the profession. They work in England, Russia, Spain and in our country. We encouraged them not speak too much about classification, theories, etc. but emphasize the practice the operative solution itself what the most important and useful knowledge is for the daily practice in a hospital or clinic.

And you - dear colleagues - are encouraged to participate actively, ask after the lectures even during the breaks or at any time, share your experiences with us and with each other. Our dream is a course where we focus maximally to the traumatology but in a relaxed family atmosphere. We think it is the way we can realize the purposes of the founders of the AO and principles of the value statement.

I hope we will enjoy the course and will return to the daily routine enriched with new experiences.

István Nacsai, MD.



Ferenc Urbán, MD.



Chairpersons



István Nacsai, MD.

Békéscsaba, Hungary



Ferenc Urbán, MD.

Miskolc, Hungary

International Faculty

Lambert	Simon	United Kingdom	simonlambert@me.com
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National Faculty

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Wednesday, November 8, 2017

TIME	AGENDA ITEM	WHO
	LOCATION:	
08:00–08:15	Welcome and introduction	I Nacsai
Module 1	General considerations	Moderator: F Urbán
08:15 – 08:30	Tissue vitality and effect of injury	S Lambert
08:30 – 08:50	MIO—Clinical Indications for locked plating	I Nacsai
08:50 – 09:05	Minimizing surgical footprints, reduction techniques	I Nacsai
09:05 - 09:10	LOCATION CHANGE TO PRACTICAL EXERCISE	
09:10 – 10:40	Practical exercise 1 Locking Compression Plate (LCP): Percutaneous Plate Fixation of the Tibia and Fibula in a Distal Multifragmentary Fracture of the Lower Leg (MIPO—Technique)”	F Tóth
10:40 - 11:00	COFFEE BREAK	
11:00 – 12:10	Small group discussion 1 Reduction techniques—concepts and application Group 1 Group 2 Group 3	A Volna – Cs Biró E Saura-Sanchez – E Varga F Tóth – N Wiegand
12:10–13:10	LUNCH BREAK	
Module 2	Injuries around the shoulder	Moderator: F Tóth
13:10 – 13:25	Recurrent dislocation of the shoulder, Hill-Sachs laesion. Treatment options	S Lambert
13:25 – 13:40	Fractures of the scapula: indication for surgery and methods of fixation	N Wiegand
13:40 – 14:00	Proximal humerus fractures—to fix, to replace, or treat nonoperatively?	S Lambert
14:00– 14:10	Summary or case-based comment	S Lambert
14:10 – 14:15	LOCATION CHANGE TO PRACTICAL EXERCISE	

14:15 – 15:35	Practical exercise 2 Reconstruction of a three-part fracture in the proximal humerus using a MultiLoc proximal humeral nail	S Lambert
15:35 – 15:55	COFFEE BREAK	
Module 3	Humeral shaft, elbow and wrist	Moderator: E Saura Sanchez
15:55 – 16:10	Complex humeral shaft fractures	F Tóth
16:10– 16:25	Distal humerus—intraarticular fractures and complications	E Saura Sanchez
16:25 – 16:40	Fracture dislocation of the elbow	F Urbán
16:40 – 16:55	Distal radial fractures	F Tóth
16:45 – 16:55	Summary or case-based comment	F Urbán
16:55 – 17:00	LOCATION CHANGE TO SMALL GROUP DISCUSSION	
17:00– 18:15	Small group discussion 2 Upper extremity fractures—decision making and methods of stabilization Group 1 Group 2 Group 3	A Volna – Cs Biró E Saura-Sanchez – E Varga F Tóth – N Wiegand

Thursday, November 9, 2017

TIME	AGENDA ITEM	WHO
08:00 – 09:30	Practical exercise 3 Fixation of a type 13-C1 fracture in the distal humerus using a locking compression plate (LCP)	E Varga
09:30 – 09:50	COFFEE BREAK	
Module 4	Femoral fractures	Moderator: E Varga
09:50 – 10:05	Femoral neck fractures—different patients; different problems	N Wiegand
10:05 – 10:20	Intertrochanteric fractures—treatment options and outcomes	A Volna
10:20 – 10:35	Current treatment and options of subtrochanteric fractures	Cs Biró
10:35 – 10:50	Femoral shaft fractures	I Nacsai
10:50 – 11:05	Distal femoral fractures—treatment options and outcomes	Cs Biró
11:05 – 11:15	Summary or case-based comment	Cs Biró
11:15 – 11:20	LOCATION CHANGE TO SMALL GROUP DISCUSSION	
11:20 – 12:50	Small group discussion 3 Fractures on the femur Group 1 Group 2 Group 3	E Saura-Sanchez – E Varga F Tóth – N Wiegand A Volna – Cs Biró
12:50 – 13:50	LUNCH BREAK	
13:50 – 15:20	Practical exercise 4 Distal femur: fixation of an intraarticular type 33-C2.1 fracture using an LCP distal femoral plate or the LISS system	N Wiegand
15:20 – 15:25	LOCATION CHANGE TO LECTURE HALL	
Module 5	Tibia and ankle	Moderator: A Volna
15:25 – 15:40	Complex tibial plateau fractures	A Volna

15:40 – 15:55	Tibial shaft fractures (proximal, distal and segmental)	F. Urbán
15:55 – 16:10	Early and definitive treatment of pylon fractures	I Nacsai
16:10 – 16:25	Complex malleolar fractures	Cs Biró
16:25 – 16:45	COFFEE BREAK	
16:45 – 18:05	Practical exercise 5 Management of a type 41-C3 bicondylar tibial plateau fracture using an LCP Practical exercise	A Volna

Friday, November 10, 2017

TIME	AGENDA ITEM	WHO
08:00 – 09:30	Practical exercise 6 Management of a type 43-C3.2 pilon tibial fracture using an LCP distal tibia plate	E Saura-Sanchez
09:30 – 09:35	LOCATION CHANGE TO LECTURE HALL	
Module 6	Some frequent foot injuries	Moderator: E Saura-Sanchez
09:35 – 09:50	Calcaneal fractures—predicting and avoiding problems	A Volna
09:50 – 10:05	Talar neck fractures and complications	E Saura-Sanchez
10:05 – 10:20	Navicular and Lisfranc injuries and complications	F Tóth
10:20 – 10:40	COFFEE BREAK	
10:40 – 11:55	Small group discussion 4 Fractures of the tibia, ankle, and foot Group 1 Group 2 Group 3	F Tóth- N Wiegand A Volna – Cs Biró E Saura-Sanchez – F Tóth
11:55 – 12:55	LUNCH BREAK	

Module 7	Pelvic and acetabular injuries	Moderator: N Wiegand
12:55 – 13:10	Navigation	E Varga
13:10 – 13:25	Evaluation and emergency management of pelvic ring injuries	E Varga
13:25 – 13:40	Mangled extremity management	E Saura-Sanchez
13:40 – 13:55	Principles of acetabular fracture management	E Varga
13:55 – 14:15	COFFEE BREAK	
Module 8	Complications, difficulties and emergencies	Moderator: Cs Biró
14:15 – 14:30	Periprotetic fractures	N Wiegand
14:30 - 14:45	Treatment of metaphyseal and diaphyseal nonunions	E Saura-Sanchez
14:45 - 15:00	Compound fractures, treatment options	A Volna
15:00 - 15:15	Deep vein thrombosis prophylaxis	Cs Biró
15:15 – 15:30	State of the art in the management of multiple-injured patients	E Varga
15:30 – 15:45	Infection after ORIF	F Tóth
15:45 – 16:00	Open articular fractures	F Urbán
16:00 – 16:15	Violation of principles	N Wiegand
16:15 – 16:25	Closing remarks	E Varga

Course organization

AOTrauma Europe

Clavadelerstrasse 8
7270 Davos, Switzerland
Phone +41 81 414 27 20
Fax +41 81 414 22 84
Email courses@aotrauma.org

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.

Course information and logistics

AO Courses Hungary

Edina Buzás

Phone +36 1 884 28 48
Email buzas.edina@ao-courses.com

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.

Course venue

CE Plaza Hotel****

Somogyi Bacsó út.18.
8600 Siófok
Hungary
Phone: +36 84 696-090, +36 84 696-092
GPS: N 46° 54' 02", E 18° 02' 50"
<http://www.ceplazahotel.hu>



Accommodation for participants

Accommodation is not included in the Registration fee; reservation and payment has to be done individually by participants. The number of rooms are limited in CE Plaza Hotel****, so please make your reservation as soon as possible (e-mail: szobafoglalas@cehotels.hu).

General information

Course fee

AOTrauma Course—Advanced Principles of Fracture Management:

International attendees/non-member: 500 EUR

International attendees/AO member: 450 EUR

Local attendees/non-member: 390 EUR

Local attendees/AO member: 350 EUR

Included in the course fee are conference bag with documentation, coffee breaks, lunches, course dinner and course certificate.

Evaluation guidelines

All AOTrauma events apply the same evaluation process, either audience response system (ARS) or paper and pencil questionnaires. This helps AOTrauma 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 course 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.

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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Join us and share your passion

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