

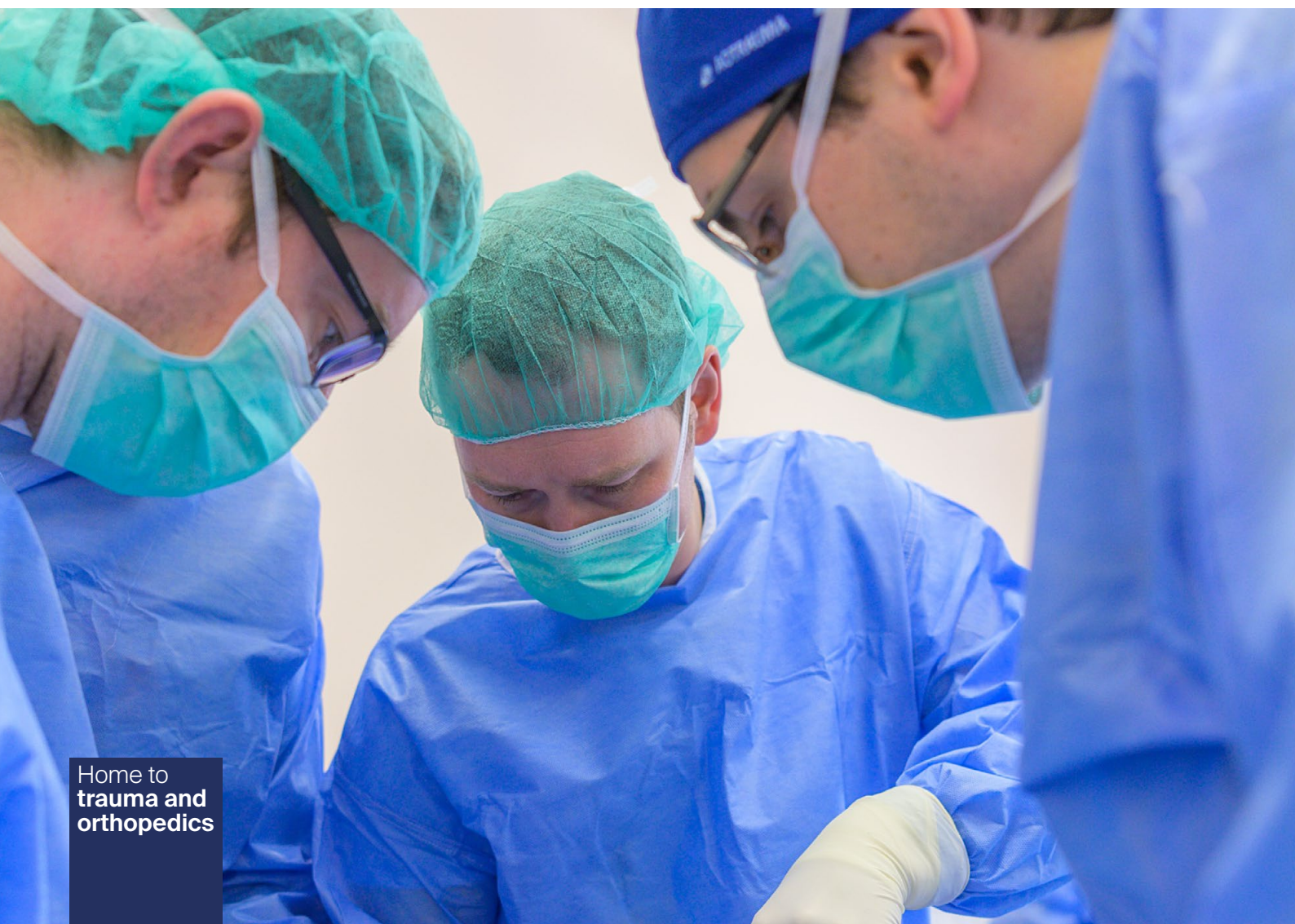
# AO Trauma Course— **Lower Extremity**

Course with anatomical specimen dissection

June 9–11,  
2022

Szeged,  
Hungary

PROGRAM



# Mission

The AO's mission is promoting excellence in patient care and outcomes in trauma and musculoskeletal disorders.

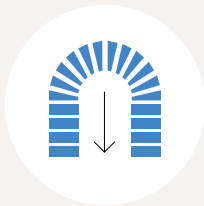
## The AO principles of fracture management

1



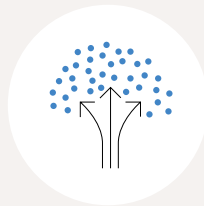
Fracture reduction and fixation to restore anatomical relationships.

2



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

3



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

4



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

# Content

---

**4** Welcome

---

**5** Course description  
Goal of the course  
Target participants  
Learning objectives

---

**6** Chairpersons and faculty  
Thursday, June 9, 2022

---

**8** Friday, June 10, 2022

---

**10** Saturday, June 11, 2022

---

**11** Event information  
Venue

---

**12** General information

---

**14** Principles of AO educational events

---

**15** Course finder

---

# Welcome

## Dear AO Trauma course participant,

We are honored to welcome you to the AO Trauma Course—Lower Extremity with Anatomical Specimens. We hope you will enjoy your course and the entire experience.

**What is AO Trauma?** We are a “clinical division”—a community for trauma and orthopedics within the AO Foundation. As a clinical division we aim to integrate and align applied and clinical research, education, and community development functions into one direction—AO Trauma for the benefit of our members, stakeholders, and patients.

**How can AO Trauma benefit you?** By working as a single team, we focus and leverage our resources, expertise, and skills to create and deliver new and greater value to our members.

**Why join AO Trauma?** Joining AO Trauma means you are part of the trauma and orthopedic community within the AO. AO Trauma will help you develop lifelong friendships and relationships. We will help you access our “knowledge network” and take part in new opportunities that advance trauma care.

Yours sincerely,



**Mark Reilly**  
Chairperson AO Trauma  
Education Commission



**Mike Baumgaertner**  
Chairperson AO Trauma  
International Board

Your experiences with us, over the next few days, will result in the realization of new and meaningful knowledge, skills, and understanding that we hope will translate into improved patient care.

## Course description

This course is targeted to surgeons with significant surgical expertise who are willing to share and explore their experiences with their peers and faculty. The AO Trauma Course–Lower Extremity is built around open discussion groups followed by interactive case-based presentations by experts in the field. The course will include cadaveric dissections and practical exercises. They will introduce the latest evidence, concepts, and techniques in the management of lower extremity fractures. They will also introduce the latest approaches and current opinions on implants for particular problems. Furthermore, participants will practice a variety of approaches on anatomical specimens.

## Goal of the course

The AO Trauma Course–Lower Extremity teaches advanced principles and current concepts in the treatment of injuries at a specialist level, incorporating the latest techniques in operative fracture management. The AO Trauma Course–Lower Extremity focuses on the best available evidence and the latest techniques in operative fracture management dealing with the toughest lower extremity trauma problems. Our goal is to foster discussion, making use of real cases and provoking open debate between participants and faculty members, complemented by lectures presenting the current evidence.

## Target participants

The AO Trauma Course–Lower Extremity participants must have completed the AO Trauma Basic Principles and Advanced Principles courses. They must be actively involved in orthopedic trauma management and preferably have at least five years of experience post residency in trauma surgery. Participants must be willing to share their ideas and be able to communicate well in English.

## Learning objectives

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

- Discuss evidence-based management of hip and proximal femoral fractures
- Plan revision and salvage surgery for failed hip fractures
- Management plan for distal femur fractures including mal-union and nonunion
- Surgical management plan of complex tibial plateau fractures
- Demonstrate and practice valgus producing osteotomy of the proximal femur
- perform different approaches around the knee and ankle
- Discuss and identify management plans of complex fractures around the ankle

## Chairpersons

## Overall chairperson



**Nir Cohen**  
Rabin Medical Center-  
Beilinson Campus, Petah  
Tikva, Israel



**Mario Staresinic**  
University Hospital Merkur,  
Zagreb, Croatia



**Endre Varga**  
University of Szeged,  
Szeged, Hungary

## Regional faculty

<b>Jiří</b>	<b>Skála-Rosenbaum</b>	Hospital Kralovske Vinohrady	Prague	Czech Republic
<b>Mehmet Ali</b>	<b>Deveci</b>	Koç University Faculty of Medicine	İstanbul	Turkey
<b>Iztok</b>	<b>Gril</b>	University Clinical Centre Ljubljana	Ljubljana	Slovenia
<b>Vladan</b>	<b>Novakovic</b>	Emergency Center of Belgrade, Clinical Center of Serbia	Belgrade	Serbia
<b>Andrey</b>	<b>Smirnov</b>	East-Tallinn Central Hospital	Tallinn	Estonia

## National faculty

<b>Antal</b>	<b>Nógrádi</b>	Anatomical Department, University of Szeged	Szeged	Hungary
<b>András</b>	<b>Kocsis</b>	Péterfy Kórház-Rendelőintézet Manningér Jenő Országos Traumatológiai Intézet	Budapest	Hungary
<b>Norbert</b>	<b>Wiegand</b>	Pécsi Tudományegyetem AOK	Pécs	Hungary

## Thursday

June 9, 2022

07:30–08:00	Registration	
08:00–08:10	Introduction to the course—objectives, structure and faculty	N Cohen, M Staresinic

### Module 1

**Moderator: N Cohen**

#### Proximal femur

08:10–08:25	Femoral neck fractures in the elderly	N Cohen
08:25–08:40	Intracapsular femoral neck fractures in young patients	E Varga
08:40–08:55	Subtrochanteric fractures—Complications, tips and tricks	M Staresinic
08:55–09:10	Femoral head fractures	A Smirnov
	<b>Practical exercise 1</b>	N Cohen
	<b>Hip Osteotomy</b>	
09:10–10:00	Preoperative planning Group1 Group2	
10:00–11:15	Practical exercise: hip osteotomy	
11:15–11:35	Coffee break	

# Thursday

June 9, 2022

---

## Module 2

**Moderator: V Novakovic**

### Distal femoral fractures and the knee injuries

11:35–11:50	Distal femoral fractures—fixation versus acute total knee replacement	V Novakovic
11:50–12:05	Patella fractures	N Wiegand
12:05–12:20	The floating knee	I Gril
12:20–12:35	Knee instability and treatment of acute knee dislocation	M A Deveci
12:35–12:40	Location change	
12:40–13:30	<b>Discussion Group 1</b> <b>Proximal and distal femur fractures, floating knee</b> Group 1 Group 2	N Cohen, I Gril, M Staresinic, V Novakovic
13:30–14:30	Lunch break	

---

## Module 3

**Moderator: E Varga**

### Proximal and distal tibial fractures and ankle fractures

14:30–14:45	Proximal tibial fractures—initial assessment, classification and treatment	E Varga
14:45–15:00	Proximal tibial fractures—surgical approaches	E Varga
15:00–15:15	Distal Tibia fracture—posterior approach	N Wiegand
15:15–15:30	Intramedullary nailing of the tibia—techniques for proximal and distal fractures	N Cohen
15:30–15:45	Severe Open Tibial fractures	I Gril
15:45–15:50	Location change to discussion group	
15:50–17:00	<b>Discussion groups 2</b> <b>Proximal tibia fractures</b> Group 1 Group 2	N Cohen, I Gril M Staresinic, V Novakovic
17:00–17:20	Coffee break	

---

## Module 4

**Moderator: A Smirnov**

### Ankle, Pilon

17:20–17:35	Pilon fractures—initial assessment, classification and treatment	A Smirnov
17:35–17:50	Ankle fractures—predictors of poor outcomes, deep infection after ORIF	V Novakovic
17:50–18:05	Ankle fracture treatment—Syndesmosis injuries and posterior approach	M A Deveci
18:05–18:20	Ankle arthrodesis—hindfoot nail and fibular nailing	A Kocsis
18:20–18:25	Location change to discussion group	
18:25–19:15	<b>Discussion groups 3</b> <b>Ankle, Pilon</b> Group 1 Group 2	A Smirnov, N Wiegand M A Deveci, A Kocsis
19:15	End of the day	

# Friday

June 10, 2022

---

## Module 5

Moderator: M A Deveci

### Foot

08:00–08:15	Calcaneal fractures—fixation possibilities	M A Deveci
08:15–08:30	Talar neck and body fractures	V Novakovic
08:30–08:45	Midfoot fractures and dislocations—Chopart, navicular and cuboid	N Wiegand
08:45–09:00	Midfoot fractures and dislocations—Lisfranc	A Kocsis
09:00–09:15	Jones fractures	M Staresinic
09:15–09:30	Forefoot fractures	A Smirnov
09:30–09:35	Location change to discussion group	
09:35–10:35	<b>Discussion groups 4</b> <b>Hindfoot-Midfoot-Forefoot Fractures</b> Group 1 Group 2	A Smirnov, N Wiegand M A Deveci, A Kocsis
10:35–10:45	Coffee break	

---

## Module 6

Moderator: I Gril

### Special problems and complications

10:45–11:00	General concepts in the management of infections following internal fixation	M A Deveci
11:00–11:15	Complex limb injuries	I Gril
11:15–11:30	Periprosthetic fractures—Hip	J Skála-Rosenbaum
11:30–11:50	MIPO—Lower Extremity—Dangers and risks	V Novakovic
11:50–11:55	Location change to discussion group	
11:55–12:55	<b>Discussion groups 5</b> <b>Severe open fractures and osteoporotic Fractures</b> Group 1 Group 2	All Faculty All Faculty
12:55–13:00	Location change	
13:00–13:15	Violation of AO Principles—when it goes wrong	M Staresinic
13:15–14:15	Lunch break	
14:15–14:45	Transfer to the anatomy venue	



---

**Module 7****Moderator: A Kocsis****Cadaver Lab—Thigh**

14:45–15:00	Surgical anatomy of the sciatic and femoral nerves	A Nógrádi
15:00–15:15	Arteries and venues of thigh and knee	A Nógrádi
15:15–15:30	Muscle groups of the thigh	A Nógrádi
15:30–16:30	MIPO Distal femur—lateral	J Skála-Rosenbaum
16:30–17:15	ORIF Distal femur—lateral	A Kocsis
17:15–18:15	ORIF Distal femur—medial	V Novakovic
18:15–18:45	Transfer back to the hotel	

# Saturday

June 11, 2022

---

## Module 8

**Moderator: N Wiegand**

### Cadaver Lab—Leg

08:00–08:15	Surgical anatomy of the peroneal and tibial nerves	A Nógrádi
08:15–08:30	Arteries and veins of the leg	A Nógrádi
08:30–08:45	Muscle groups of the leg	A Nógrádi
08:45–09:45	MIPO Proximal tibia—anterolateral	A Kocsis
09:45–10:00	ORIF Proximal tibia—anterolateral	N Wiegand
10:00–11:00	ORIF Proximal tibia—anteromedial	I Gril
11:00–11:30	Coffee break	

---

## Module 9

**Moderator: M Staresinic**

### Tibial approaches 360

11:30–12:45	ORIF Proximal Tibia—posteromedial	M A Deveci
12:45–13:45	Proximal tibia—posterolateral app and fibula osteotomy	M Staresinic
13:45–14:30	Distal tibia and fibula—posterolateral app	A Smirnov
14:30–15:00	Closure of the course	N Cohen, M Staresinic

# Event information

## Organization

### AO Trauma Europe and Southern Africa

Anja Sutter  
Clavadelerstrasse 8  
7270 Davos Platz,  
Switzerland  
Phone +41 81 414 27 25  
E-mail [anja.sutter@aofoundation.org](mailto:anja.sutter@aofoundation.org)

## Participants' contact:

E-mail [aoges.emea@aofoundation.org](mailto:aoges.emea@aofoundation.org)

## Registration fee

AO Trauma Course—Lower Extremity: EUR 1,120.  
Included in the course fee are conference bag with documentation, coffee breaks, lunches, course reception, and course certificate.

## Language

English

## European CME accreditation

For this event the UEMS-EACCME® in Brussels have granted 22 European CME credits (ECMEC).

## AO funding sources

Unrestricted educational grants from different sources are collected and pooled together centrally by the AO. 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 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 to ensure that this cooperation has no impact on the curricula, scientific program, or faculty selection.

## Disclosures and conflicts of interest

Disclosure information and potential conflicts of interest (COI) can be viewed at the event webpage.

# Venue

## For presentations, small group discussions, practicals on dry bones:

Szegedi Tudományegyetem  
József Attila Tanulmányi és Információs Központ  
6722 Szeged, Ady tér 10., Hungary  
<https://u-szeged.hu/tik/elerhetosegek/elerhetosegek>

## For the Pathology:

SZTE ÁOK Szent-Györgyi Albert Klinikai Központ -  
Pathológiai Intézet.  
6725 Szeged, Állomás u. 1., Hungary  
<http://www.klinikaikozpont.u-szeged.hu/pathologia/index.php/en/>

## Accommodation for participants

### Art Hotel Szeged

H-6720 Szeged, Somogyi u. 16.  
+36 62 592 888  
[repcio@arthotelszeged.hu](mailto:repcio@arthotelszeged.hu)

# General information

## Evaluation guidelines

All AO Trauma events apply the same evaluation process, which includes pre- and post-event online evaluation and on-site written questionnaires. These evaluation tools help ensure that AO Trauma continues 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. For more information, please see: [www.aofoundation.org/legal](http://www.aofoundation.org/legal).

**Recording, photographing, or copying lectures, practical exercises, case discussions, or any event materials is strictly forbidden. Participants violating intellectual property will be dismissed.**



The AO Foundation reserves the right to film, photograph, and audio record during its 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 the AO's marketing and other purposes, and that they may be 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.

## Use of mobile phones

Use of mobile phones is not permitted in the lecture halls or in other rooms during educational activities. Please be considerate of others by turning off your mobile phone.

## Dress code

Casual

# Notes

# 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 AO network surgeons.

All education is planned based on needs assessment data, designed and evaluated using concepts and evidence from the most current medical education research, and reflects the expertise of the AO Education Institute ([www.aofoundation.org](http://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, US ([www.accme.org](http://www.accme.org))
- ACCME Standards for Commercial Support: Standards to Ensure Independence in CME Activities ([www.accme.org](http://www.accme.org))
- Criteria for Accreditation of Live Educational Events of the European Accreditation Council for Continuing Medical Education ([www.uems.eu](http://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](http://www.medtecheurope.org))
- AdvaMed Code of Ethics on Interactions with Health Care Professionals ([www.advamed.org](http://www.advamed.org))
- Mecomed Guidelines on Interactions with Healthcare Professionals ([www.mecomed.com](http://www.mecomed.com))

## 3. Branding and advertising

No industry logos or advertising (apart from the AO Foundation and its clinical divisions) 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 practical sessions

In case practical sessions are chosen as an educational method to educate skills, the technologies and products used have been approved or reviewed by the AO Technical Commission—a large independent group of volunteer surgeons developing and peer-reviewing new technology on behalf of the AO Foundation.

Any technology and/or products used in the practical sessions of this event have been found suitable to serve the defined educational purposes.

This does not imply any statement about its use and performance in actual clinical scenarios.

More information on the AO Technical Commission can be found on the AO's website: [www.aofoundation.org/tc](http://www.aofoundation.org/tc).

## 5. Personnel

Industry staff members are not permitted to interfere with the educational content or engage in educational activities during the event.



# Find your next learning activity



**Enhance your career, improve your knowledge, skills and network with the world's leading education provider to health care professionals working in the fields of trauma and musculoskeletal disorders.**

Choose from over 800 events each year including face-to-face hands-on surgical skills courses, seminars, and case discussion workshop groups as well as online courses, webinars, panel discussions and more. Courses can be filtered by specialty, country, topic and level.

Create your own learning schedule and find your next learning activity with the AO course and event finder.



AO Trauma



AO Spine



AO CMF



AO Recon



AO VET



AO Sports



Transforming  
Surgery—  
Changing  
Lives

[www.aofoundation.org/our-courses-and-events/course-finder](http://www.aofoundation.org/our-courses-and-events/course-finder)

© 2021 AO Foundation | AO Foundation, Clavadelerstrasse 8, CH-7270 Davos, Switzerland

More information at  
[www.aofoundation.org](http://www.aofoundation.org)



# Share your passion and join the **AO Trauma community**

**Belong** to a unique orthopedic trauma network



**Get involved** and shape the future of AO Trauma



Discover the exclusive AO Trauma **content**



**Develop** your personal and professional career



**Share and exchange** your knowledge

**AO Trauma** is the **leading global orthopedic trauma network** with a unique culture of surgeon leadership, camaraderie, volunteerism, and mutual respect.

