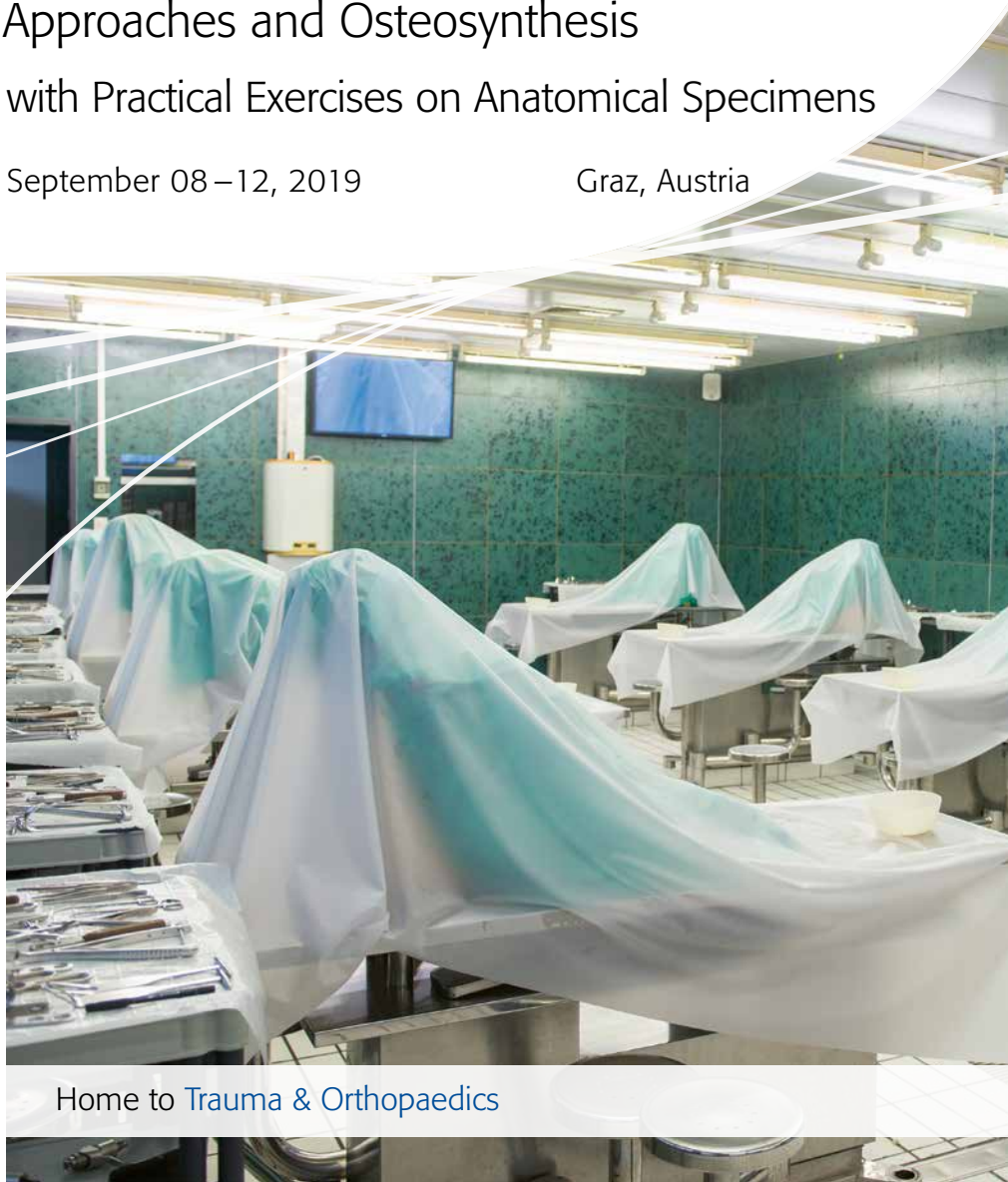


Course Program

# AOTrauma Course— Approaches and Osteosynthesis with Practical Exercises on Anatomical Specimens

September 08 –12, 2019

Graz, Austria

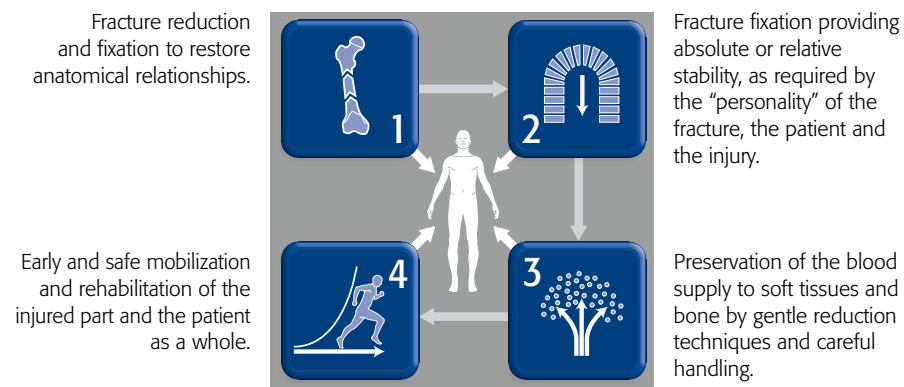


Home to [Trauma & Orthopaedics](#)

## 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 orthopaedic 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,

We are honored to welcome you to the AOTrauma Course—Approaches and Osteosynthesis with Practical Exercises on Anatomical Specimens. We hope you will enjoy your event and the entire experience.

**What is AOTrauma?** 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 – AOTrauma for the benefit of our members, stakeholders, and patients.

**How can AOTrauma 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.

**What does this mean in education?** AOTrauma is committed to providing you the best possible educational experience by continuously embracing and introducing new educational techniques to help you learn and more effectively implement your knowledge for the benefit of your patients.

**Why join AOTrauma?** Joining AOTrauma means you are part of the trauma and orthopedic community within the AO. AOTrauma 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,



**Wa'el Taha**  
Chairperson AOTrauma  
Education Commission



**Kodi Kojima**  
Chairperson AOTrauma  
International Board

**PS:** Your experiences with us will result in the realization of new and meaningful knowledge, skills, and understanding that we hope will translate into improved patient care.

## Content

2	Value statement	5	National Faculty
2	The AO Principles	6	Table instructors
3	Welcome	7	Program Schedule
4	Goal of the course	13	Event organization
4	Target participants	13	Event information and logistics
4	Learning objectives	13	General Information
4	Course description	14	Event venue
5	Chairpersons	14	Event fee
5	Regional Faculty	14	Event registration
		15	Principles of AO Educational Events
		16	Upcoming events

## Goal of the course

The goal of the course is to broaden the knowledge and comprehension of operative fracture treatment according to the level of education or specialty and to practice surgical approaches.

## Target participants

The AOTrauma Course—Approaches and Osteosynthesis with Anatomical Specimens is targeted at certified orthopaedic and trauma surgeons with basic knowledge and skills in operative fracture treatment who wish to broaden this knowledge and who wish to practice surgical approaches for a better comprehension. The course is also open to residents and surgical trainees who participated in the AOTrauma Introductory Course.

## Learning objectives

Upon completion of the course, the participant should be able to:

- make decisions as to the optimal treatment modality according to the AO Principles
- have learned about the latest developments in research and clinical investigation
- be acquainted with new techniques and technologies as well as alternative approaches in fracture treatment
- have improved the manual skills by practicing on different bone models and human specimens
- to understand the evolution of AO Philosophy and Education – what is new and what is still valid as well as the rationale behind any changes

## Course description

The topics will cover different surgical approaches to the upper extremities and lower extremities, including shoulder and hip.

They will be taught in short lectures and videos followed by practical exercises on artificial bones, muscles specimens and anatomical specimens. During the exercises key steps are projected on the monitors.

Each work station is limited to two participants.

## Chairpersons



**Wolfgang Grechenig**

LKH – University Clinic Graz, Department of Orthopedics and Trauma Surgery, Graz, Austria

## International Faculty and Table Instructors

Bore	Bakota	Trauma Surgery, Croatia
Jan	Dauwe	ZU Leuven, Department of Orthopaedics, Leuven, Belgium
Mario	Staresinic	University Hospital Merkur – Zagreb, General and Sports Trauma Department, Zagreb, Croatia

## Regional Faculty and Table Instructors

Arne	Berner	Charite, Center of Muskulosceletale Surgery, Berlin, Germany
Axel	Gänsslen	Clinic Wolfsburg, Department of Trauma Surgery, Orthopedics and Hand Surgery, Wolfsburg, Germany
Michael	Müller	Klinikum Bayreuth, Clinic for Trauma Surgery, Bayreuth, Germany
Michael	Worlicek	University Hospital of Regensburg, Trauma Surgery, Regensburg, Germany
Johannes	Zellner	University Hospital of Regensburg, Trauma Surgery, Regensburg, Germany

## National Faculty and Table Instructors

Hans	Clement	Medizinische Universität Graz – Landeskrankenhaus, Graz, Austria
Georg	Feigl	Medical University Graz, Institute of Anatomy, Graz, Austria
Stephan	Grechenig	UKH Klagenfurt, Klagenfurt, Austria
Christoph	Hartl	Hospital Steyr, Department of Trauma Surgery, Steyr, Austria
Gloria	Hohenberger	LKH – University Clinic Graz, Department of Orthopedics and Trauma Surgery, Graz, Austria

## National Faculty and Table Instructors (continued)

Angelika	Schwarz	UKH Graz, Graz, Austria
Peter	Tesch	Medical University Graz, Institute of Anatomy, Graz, Austria
Andreas	Weiglein	Medical University Graz, Institute of Anatomy, Graz, Austria
Annelie	Weinberg	LKH – University Clinic Graz, Department of Orthopedics and Trauma Surgery, Graz, Austria

## Sunday, September 08, 2019

AOTrauma Course with Cadaver dissections

### Approaches & Osteosynthesis with Practical Exercises on Anatomical Specimens

TIME	AGENDA ITEM
08:15 – 08:30	Welcome and organizational remarks
08:30 – 09:00	Surgical approaches shoulder
09:00 – 09:30	<b>Practical exercises:</b> Anatomy of the shoulder
09:30 – 10:00	<b>Practical exercises:</b> Subclavian artery
10:00 – 10:30	<b>Practical exercises:</b> Approaches to the SC/AC joint Clavicle plating, drilling Coracoid process anatomy
10:30 – 11:00	COFFEE BREAK
11:00 – 11:20	MIO – upper extremity
11:20 – 12:30	<b>Practical exercises:</b> Anterior approach to the glenohumeral joint Approach subacromial space Medial approach (vessels, nerves)
12:30 – 13:30	<b>Practical exercises:</b> Humeral shaft fracture – anterolateral approach and plating
13:30 – 14:15	LUNCH BREAK

SUNDAY AGENDA CONTINUES ON NEXT PAGE

## Sunday, September 08, 2019 (continued)

AOTrauma Course with Cadaver dissections

### Approaches & Osteosynthesis with Practical Exercises on Anatomical Specimens

TIME	AGENDA ITEM
14:15 – 14:30	Humeral shaft fracture treatment
14:30 – 15:00	<b>Practical exercises:</b> Surgical anatomy of the radial nerve
15:00 – 15:30	<b>Practical exercises:</b> Humeral shaft fracture – dorsal approach and plating
15:30 – 16:00	<b>Practical exercises:</b> Anatomy – glenohum. joint posterior
16:00 – 16:30	<b>Practical exercises:</b> Posterior approach to the glenohumeral joint
16:30 – 17:00	COFFEE BREAK
17:00 – 17:20	Anatomy elbow
17:20 – 18:05	<b>Practical exercises:</b> Surgical anatomy – joint, ligaments Approach dorsal (olecranon osteotomy – tension band)
18:05 – 18:15	Video: Bryan Morrey
18:15 – 18:30	Demonstration: Anatomy cervical spine dorsal approaches
18:30 – 19:00	<b>Practical exercises:</b> Cervical Spine – dorsal exposures C0-C2/C4-Th5

## Monday, September 09, 2019

AOTrauma Course with Cadaver dissections

### Approaches & Osteosynthesis with Practical Exercises on Anatomical Specimens

TIME	AGENDA ITEM
08:15 – 09:00	<b>Practical exercises:</b> Surgical anatomy upper extremity – muscles, nerves
09:00 – 10:15	<b>Practical exercises:</b> Surgical approaches – elbow medial/lateral/anterior (artery)
10:15 – 10:45	Approaches elbow
10:45 – 11:15	COFFEE BREAK
11:15 – 11:45	Forearm fracture treatment
11:45 – 12:00	<b>Practical exercises:</b> Anatomy
12:00 – 13:15	<b>Practical exercises:</b> Surgical approaches – shaft of the ulna radius anterior (Henry) radius posterior (Thompson)
13:15 – 13:45	<b>Practical exercises:</b> Forearm shaft fracture/plating
13:45 – 15:00	LUNCH BREAK
15:00 – 15:15	Compartmentsyndrom upper extremity
15:15 – 15:45	<b>Practical exercises:</b> Approach axillar artery
15:45 – 16:15	<b>Practical exercises:</b> Dermato fasciotomy upper extremity
16:15 – 16:30	<b>Practical exercises:</b> Puzzle carpal bones
16:30 – 17:00	Surgical approaches to the distal radius
17:00 – 17:15	COFFEE BREAK
17:15 – 17:45	<b>Practical exercises:</b> Distal radius – surgical approach
17:45 – 18:45	<b>Practical exercises:</b> Approaches hand
18:45 – 20:00	<b>Practical exercises:</b> Proximal amputation/Coniotomy/digital Thoracocentesis

## Tuesday, September 10, 2019

AOTrauma Course with Cadaver dissections

### Approaches & Osteosynthesis with Practical Exercises on Anatomical Specimens

TIME	AGENDA ITEM
08:30 – 09:00	Approaches tibia head
09:00 – 09:30	<b>Practical exercises:</b> Anatomy
09:30 – 09:55	<b>Practical exercises:</b> Dorsal approach to the knee
09:55 – 10:10	<b>Practical exercises:</b> Approach popliteal artery
10:10 – 10:30	<b>Practical exercises:</b> Dorsal approach to the ankle
10:30 – 11:00	COFFEE BREAK
11:00 – 11:30	Anatomy ankle
11:30 – 12:00	<b>Practical exercises:</b> Surgical approach to the knee: anterior / medial / lateral – muscles specimens
12:00 – 12:30	<b>Practical exercises:</b> Tibia head medial / lateral
12:30 – 13:00	<b>Practical exercises:</b> Surgical approach to the ankle: anterior / lateral / medial / syndesmosis
13:00 – 13:45	LUNCH BREAK
13:45 – 14:15	Principles in angle stable plate fixation
14:15 – 14:30	<b>Practical exercises:</b> Surgical anatomy (bone puzzle)
14:30 – 15:00	<b>Practical exercises:</b> Approaches: talus / calcaneus
15:00 – 15:15	<b>Practical exercises:</b> Anatomy
15:15 – 15:30	<b>Practical exercises:</b> Approach: Chopart / Lisfranc
15:30 – 15:50	COFFEE BREAK
15:50 – 16:10	<b>Practical exercises:</b> Approach femoral artery
16:10 – 16:20	<b>Practical exercises:</b> Surgical anatomy of the foot
16:20 – 16:45	<b>Practical exercises:</b> Special surgical exposures to the foot
16:45 – 18:15	<b>Practical exercises:</b> Preparation anatomy foot

## Wednesday, September 11, 2019

AOTrauma Course with Cadaver dissections

### Approaches & Osteosynthesis with Practical Exercises on Anatomical Specimens

TIME	AGENDA ITEM
08:15 – 08:45	Principles of treatment: femur shaft fracture
08:45 – 09:15	<b>Practical exercises:</b> MIPO femur
09:15 – 09:45	<b>Practical exercises:</b> Femur shaft fracture lateral approach and plating
09:45 – 10:15	<b>Practical exercises:</b> Medial approach to the distal femur, amputation
10:15 – 10:45	Exposures for intramedullary nailing
10:45 – 11:15	COFFEE BREAK
11:15 – 11:30	Cerclage technique / complications
11:30 – 12:00	<b>Practical exercises:</b> Surgical anatomy of the nerves of lower extremities
12:00 – 12:25	<b>Practical exercises:</b> Demo ligament repair knee
12:25 – 12:45	Approach pelvis
12:45 – 13:30	LUNCH BREAK
13:30 – 14:00	Gastrocnemius / soleus muscle flap
14:00 – 14:45	<b>Practical exercises:</b> IM-nailing – artificial bone
14:45 – 15:30	<b>Practical exercises:</b> Gastrocnemius / soleus muscle flap
15:30 – 16:00	Anatomy Tour
16:00 – 16:45	<b>Practical exercises:</b> Pelvic tamponade
16:45 – 17:30	<b>Practical exercises:</b> Pelvic C-Clamp

## Thursday, September 12, 2019

AOTrauma Course with Cadaver dissections

### Approaches & Osteosynthesis with Practical Exercises on Anatomical Specimens

TIME	AGENDA ITEM
08:00 – 08:20	Compartmentsyndrom, lower extremity
08:20 – 09:00	<b>Practical exercises:</b> Dermatofasciotomy in the lower extremity
09:00 – 09:25	<b>Practical exercises:</b> MIPO tibia
09:25 – 10:15	<b>Practical exercises:</b> <b>Tibia shaft fracture, anterior approach and plate fixation</b>
10:15 – 10:30	<b>Practical exercises:</b> Peroneal nerve preparation
10:30 – 10:45	Cancellous bone graft-iliac crest
10:45 – 11:00	<b>Practical exercises:</b> Graft harvesting
11:00 – 11:15	COFFEE BREAK
11:15 – 11:45	Approaches hip
11:45 – 12:15	<b>Demonstration:</b> Surgical anatomy hip / pelvis
12:15 – 13:00	Clinical videos End of the course

## Event organization

### AOTrauma International

AO Foundation  
Felix Alonso  
Project Manager AOTrauma Education Europe  
Clavadelerstrasse 8  
CH-7270 Davos Platz  
Office +41 81 414 2611  
Mobile +41 79 548 3602  
Email [falonso@aotrauma.org](mailto:falonso@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.

## Event information and logistics

### AO Courses Austria

Sylvia Reischl  
Phone +43 664 925 3869  
Email [reischl.sylvia@ao-courses.com](mailto:reischl.sylvia@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.

## General information

### European CME Accreditation

An application has been made to the UEMS-EACCME® in Brussels for CME accreditation of this event. Additionally an application has been made to the Medical Chamber of Austria.

### 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](http://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.

**Dress code:** Casual **Event language:** English

## Event venue

Medical University Graz, Institute of Anatomy  
Harrachgasse 21  
A-8010 Graz  
<http://anatomie.medunigraz.at/>

## Event fee

Approaches & Osteosynthesis with Anatomical Specimens: **€ 1.250,-**  
Included in the event fee are conference bag, coffee breaks, lunch, course certificate.

## Event registration:

Please register online at:  
[https://aotrauma2.aofoundation.org/eventdetails.aspx?id=6581&from=PG\\_COURSEDIRECTORY](https://aotrauma2.aofoundation.org/eventdetails.aspx?id=6581&from=PG_COURSEDIRECTORY)

## 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](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, USA ([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 ([advamed.org](http://advamed.org))
- Mecomed Guidelines on Interactions with Healthcare Professionals ([www.mecomed.org](http://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](http://www.aofoundation.org)).

### 5. Personnel

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



Notes

 **AOTRAUMA**

59. AOTrauma ORP Kurs—Prinzipien der Frakturbehandlung für Fachpersonal OP-Bereich	06. 05. – 08. 05. 19	Salzburg
AOTrauma Masterkurs—Traumatologie des älteren Patienten	23. 05. – 24. 05. 19	Wien
AOTrauma Course—Approaches & Osteosynthesis	07. 09. – 13. 09. 19	Graz
AOTrauma Course—Acetabular and Pelvic Fracture Management	14. 09. – 17. 09. 19	Graz
AOTrauma Course—Foot Surgery	18. 09. – 21. 09. 19	Graz
AOTrauma Course—Management of Fractures of the Hand and Wrist	18. 09. – 21. 09. 19	Graz
AOTrauma Masters Symposium DACH—Komplikationen und Infektionen	18. 11. – 19. 11. 19	Wien

 **AOCMF**

10th AOCMF Course—Operative Techniques in Oral and Maxillofacial Surgery	03. 04. – 05. 04. 19	Wien
AOCMF Course—Neck Dissection	29. 10. – 31. 10. 19	Wien

 **AOSPINE**

AOSpine Principles Kurs—Akut- und Notfälle in der Wirbelsäulenchirurgie	24. 05. – 25. 05. 19	Anthering b. Salzburg
AOSpine Advanced Level Specimen Course—Anterior Spine Surgery and Approaches	12. 09. – 13. 09. 19	Innsbruck

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



# 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.

Apply for membership at [www.aotrauma.org](http://www.aotrauma.org)



Follow us on

 Facebook

 Twitter

## Join us and share your passion!