

Course program

# AOTrauma Europe Masters Course— Intramedullary Nailing with Anatomical Specimens

July 4–5, 2016

Innsbruck, Austria

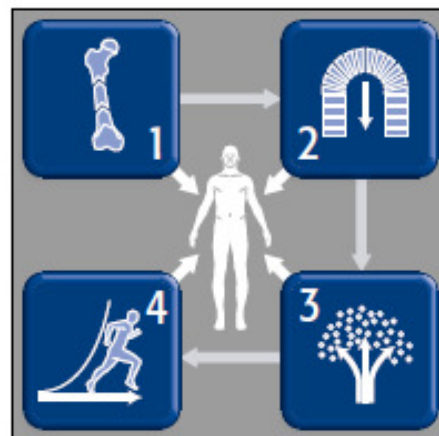
## Value statement

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.

## Dear AOTrauma course participant,

We have the honor to welcome you to the AOTrauma Europe Masters Course—Intramedullary Nailing with Anatomical Specimens run by the AOTrauma Specialty. We hope you will enjoy your course and the entire experience.

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

**How AOTrauma benefits you?** By working as a single team we focus and better leverage our resources, expertise, and skills to create and to 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 & Orthopedic” community within the AO. AOTrauma helps you develop lifelong friendships and relationships; we help you access our “knowledge network” and get involved in new opportunities that advance trauma care.

Yours sincerely,

(Picture)  
Kodi Kojima  
Chairperson AOTrauma Education Commission

(Picture)  
John (Jack) Wilber  
Chairperson AOTrauma International Board

(Picture)  
Peter Brink  
Chairperson AOTrauma EU Education Committee

The first AO Course was held in Davos in 1960—these early courses pioneered psychomotor techniques by teaching practical skills of AO Techniques. Since those early days over 455,000 surgeons and 155,000 ORP staff from over 110 countries have attended AO Courses.

## Goal of the course

The AOTrauma Europe Masters Courses 2016 address current concepts and state-of-the-art treatment options in orthopedic trauma. Each course covers one or more related topics and has been planned based on the common and critical patient problems related to the specific topic.

## Target participants

The course is aimed at surgeons who have been practicing orthopedic trauma for many years and who are willing to share their experiences on the specific topic of the course.

Participants should have completed the AOTrauma Courses—Basic Principles and Advanced Principles of Fracture Management and must be able to communicate well in English.

## Course objectives

At the end of the course, participants should be able to:

- Treat fractures and other musculoskeletal problems with intramedullary nailing when indicated
- Select the intramedullary nailing procedure based on the fracture, the patient, and the best available evidence
- Adapt the treatment plan for special and complex situations
- Prepare the patient for the intramedullary nailing procedure and plan and provide postoperative care
- Perform the intramedullary nailing procedure
- Anticipate, identify, and manage complications

## Course description

The course is delivered using a combination of small group discussions, cases, exercises with anatomical specimens or other simulation materials (when appropriate), and summary lectures. All activities are moderated by expert faculty in a highly interactive learning environment. Participants are encouraged to discuss the cases and content in an open manner and to share their own experiences.

## Chairpersons

Picture	Picture
<b>Martin Hessmann</b> Academic Teaching Hospital Fulda, Fulda, Germany martin.hessmann@klinikum-fulda.de	<b>Alexander Hofmann</b> University Medical Centre. Johannes Gutenberg-University Mainz, Mainz, Germany hofmann.trauma-surgery@gmx.net

## Faculty

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Isiklar	Z. Ugur	Turkey	zuisiklar@yahoo.com
Kammerlander	Christian	Austria	
Nijs	Stefaan	Belgium	stefaan.nijs@uzleuven.be
Schaser	Klaus-Dieter	Germany	klaus-dieter.schaser@uniklinikum-dresden.de
Verhofstad	Michael	Netherlands	michiel@verhofstad.nl

## Course organization

**AOTrauma**  
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[www.aotrauma.org](http://www.aotrauma.org)

## Sunday, July 3, 2016

17:00–19:00	Faculty precourse	
19:00	Faculty dinner	

## Monday, July 4, 2016

TIME	AGENDA ITEM	WHO
08:00–08:30	Participant registration	
08:30–08:40	Welcome and introduction to the course, presentation of faculty, and focusing the topic	M Hessmann, A Hofmann
<b>Module 1</b>	<b>Proximal humerus—humerus shaft</b>	<b>Moderator: A Hofmann</b>
08:40–09:00	Interactive case discussion—proximal humerus / shaft	S Nijs
09:00–09:30	Multiloc proximal humeral nail: surgical technique, tips and pitfalls	M Hessmann
09:30–09:50	Nailing in humerus shaft fractures—case based lecture including complications and analysis	KD Schaser
09:50–11:00	<b>Anatomical specimen laboratory</b> Multiloc nailing of a proximal humeral fracture - Creation of a fracture through a deltopectoral approach (2-part subcapital) - Nailing procedures through an anterior acromial approach	S Nijs All faculty
11:00–11:20	COFFEE BREAK	
<b>Module 2</b>	<b>Proximal femur and femoral shaft</b>	<b>Moderator: M Verhofstad</b>
11:20–11:40	The right entry point—tip of trochanter or Fossa Piriformis	M Hessmann
11:40–12:00	Failure of fixation in pertrochanteric fractures—an avoidable complication?	M Blauth
12:00–12:20	Augmentation in proximal femoral nailing—does bone quality still matter?	C Kammerlander
12:20–12:40	Nailing in subtrochanteric fractures—reduction techniques, implant choice	M Verhofstad
12:40–12:55	Atypical femoral fractures	M Hessmann

12:55–13:10	Discussion	All faculty
13:10–14:00	LUNCH BREAK	
14:00–15:20	<b>Discussion group 1</b> Nailing in proximal femoral fractures—case discussion including failure analysis and solutions Group A Group B Group C	All faculty
15:20–15:40	The role of implant design on fracture reduction and fixation—TFNA	M Blauth
15:40–16:00	COFFEE BREAK	
16:00–17:30	<b>Anatomical specimen laboratory</b> Intramedullary nailing of the proximal femur - Assessment of entry point anatomy - Nailing of the proximal femur with TFNA - Augmentation	U Isiklar All faculty
17:30–17:50	Antegrade or retrograde nailing in femoral shaft fractures	M Verhostad
17:50–18:00	Summary of the day and wrap up	M Hessmann, A Hofmann

## Tuesday, July 5, 2016

TIME	AGENDA ITEM	WHO
<b>Module 3</b>	<b>Tibia</b>	<b>Moderator: S Nijs</b>
08:30–09:30	Interactive case discussion—nailing in proximal tibia fractures including failure analysis and definition of treatment options	A Hofmann
09:30–09:50	Metaphyseal tibia fractures: do new approaches solve old problems?	M Hessmann
09:50–10:10	Reduction strategies in tibial fractures	U Isiklar
10:10–10:30	COFFEE BREAK	
10:30–11:30	<b>Anatomical specimen laboratory</b> Suprapatellar nailing with ETN	M Hessmann All faculty
11:30–12:10	<b>Discussion group 2</b> Nonunion, malunion and implant failure after intramedullary nailing of diaphyseal fractures Group A	All faculty

	Group B Group C	
12:10–12:30	Surgical management of non- and malunion after nailing of diaphyseal fractures	KD Schaser
12:30–12:50	Antibiotic coated nails: is infection still an issue?	S Nijs
12:50–13:00	Summary of the day, closing remarks, and distribution of certificates	M Hessmann, A Hofmann



## Course information

### Course fee

AOTrauma Europe Masters Course—Intramedullary Nailing with Anatomical Specimens: EUR 1600.00  
Included in the course fee is a conference bag with documentation, coffee breaks, lunches, course dinner and course certificate.

### Registration

[www.aotrauma.org/coursedirectory.aspx](http://www.aotrauma.org/coursedirectory.aspx)

### Accreditation

An application has been made to the UEMS-EACCME for CME accreditation of this event.

### Evaluation guidelines

All AOTrauma courses apply the same evaluation process, either ARS (audience response system) or paper and pencil questionnaires. This helps AOTrauma to ensure that we continue to meet your training needs.

### Security

Security check at the entrance of the building.  
Wearing of a name tag is compulsory during lectures, practicals, and group discussions.

### Intellectual property

Course materials, presentations, and case studies are the intellectual property of the course faculty. All rights are reserved. Check hazards and legal restrictions on [www.aotrauma.org/legal](http://www.aotrauma.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.



### No insurance

The course organization does not take out insurance to cover any individual against accidents, thefts, 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 or sportswear

## Course venue

Medical University Innsbruck  
Anatomical Institute  
Mullerstrasse 59  
6020 Innsbruck, Austria  
Phone: +43 (0) 512 9003 71111  
[www.anatomie-innsbruck.at](http://www.anatomie-innsbruck.at)

## Accommodation for participants

Kindly book your accommodation directly via Innsbruck Tourism:  
<http://www.innsbruck.info/en/home.html>  
Phone: +43 512 59850  
Email: [office@innsbruck.info](mailto:office@innsbruck.info)

## Upcoming courses

# AOTrauma Europe Masters Courses 2016

### Courses with Anatomical Specimen Dissections

Foot and Ankle	Graz (AT)	September 11-13	Matthieu Assal (CH) Matej Andoljsek (SL)
Wrist Trauma	Graz (AT)	September 14-15	Rohit Arora (AT) Daniel Rikli (CH)
Articular Fractures of Lower Extremity	Brno (CZ)	September 27-28	Martin Kloub (CZ) Rami Mosheiff (IL)



## 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)



## Join us and share your passion

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