

Program

AOTrauma Masters Course—Minimally Invasive Osteosynthesis

30–31 August, 2016 Budapest, Hungary



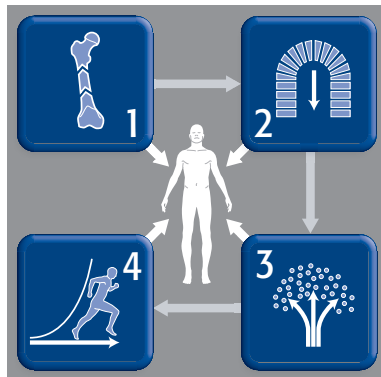
Value statement

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.

Dear AOTrauma course participant,

We are honored to welcome you to the AOTrauma Masters Course—Minimally Invasive Osteosynthesis. 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 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,



Kodi Kojima
Chairperson AOTrauma
Education Commission



John (Jack) Wilber
Chairperson AOTrauma
International Board

PS: 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.

Content

- 2 Value statement
- 2 The AO principles
- 3 Dear AOTrauma course participant
- 5 Goal of the course
- 5 Target participants
- 5 Course objectives
- 5 Course description
- 6 Welcome words
- 7 Chairpersons
- 7 Faculty
- 8 Tuesday, August 30, 2016
- 9 Wednesday, August 31, 2016
- 10 Course organization
- 10 Course venue
- 11 Course information

Goal of the course

The AOTrauma Course—Minimally Invasive Osteosynthesis (MIO) teaches current concepts and procedures for experienced learners in orthopaedic trauma. Featuring the latest techniques in operative fracture management, the course will address basic principles of MIO, imaging and biomechanics, difficult orthopaedic trauma problems, including the upper extremity, lower extremity, complications, and complex fractures. Through open discussion groups, participants will examine and discuss carefully selected case studies.

Target participants

Participants must have already completed the AOTrauma Courses—Basic Principles of Fracture Management, and Advances Principles of Fracture Management. They also must have several years of personal experience in orthopaedic trauma surgery, be actively involved in trauma management, and have a special interest in minimally invasive fracture fixation.

Course objectives

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

- Explain the pros and cons of minimally invasive fracture fixation techniques
- Apply direct and indirect reduction techniques through soft-tissue windows
- Respect the danger zones when applying these techniques
- Apply the Minimally Invasive Osteosynthesis (MIO) in for lower and upper limbs
- Apply the MIO for periprosthetic fractures, pelvic and acetabular injuries
- Recognize some difficulties following MIO

Course description

This course is aimed at the extremely skilled surgeon who wants to share experiences with other surgeons and specialists in the field of minimally invasive fracture fixation. It will focus on the principles of indirect and direct reduction techniques and its application using conventional and specialized reduction tools through minimally invasive soft-tissue access. In discussion groups special emphasis will be laid on case-based decision making and how to apply this technique using the so-called open source format (OSF), which documents each step of an operation. Images and videos of anatomical specimen dissections will highlight and focus on the danger zones when using minimally invasive approaches for fracture fixation and performing percutaneous plate osteosynthesis.

Welcome words



It is a great pleasure to welcome you in the Hungarian capital city, Budapest. I am going to invite you to an exciting journey around the minimally invasive fracture care. Budapest is one of the nicest cities of the world, which also had the privilege to host the AO Trustee's meeting in 2014.

The AO Trauma Hungarian chapter was established as a regional entity of the AO Foundation to continue the long tradition of teaching excellence. As an independent surgeon driven nonprofit society our mission is to improve the care of patients with musculoskeletal and visceral injuries. The AO Trauma Hungarian Chapter offers a wide spectrum of educational activities to meet the life-long learning needs of surgeons. Whether you are a resident, fellow or attending surgeon, The AO Trauma Hungarian chapter offers up to date teaching techniques, state of the art courses and seminars tailored for today's learner.

This year the Hungarian Trauma Society is celebrating its 50 years of founding. The AOTrauma Masters Course— Minimally Invasive Osteosynthesis will be organized as one of the most outstanding satellite program of the 50 years celebration program's of the Hungarian Trauma Society. The amazing building of the Hungarian Academy of Sciences - was inaugurated in 1865 in Renaissance Revival architecture style- located on the bank of Danube, will be the course venue.

Besides the known local Hungarian faculties it's a great opportunity to welcome some of the world most experienced trauma surgeons, such as Tim Pohlemann, Suthorn Bavonratanevech, Reto Babst, Rodrigo Pesantes. The last three of them are all contributors of one of the most popular AOTrauma book ever, entitiled: **Minimally Invasive Plate Osteosynthesis** by Thieme, released 2012, in an expanded edition.

I really hope that all participants and faculties will enjoy the scientific content the discussion groups, teaching videos and will make new friendships and new relations.

Prof. Endre Varga, MD.

Head of Trauma Department
Head of Central Operation Rooms and Sterilization Unit
Professor of Trauma Surgery
general-, trauma- hand- & orthopedic-surgeon
Past President of Hungarian Trauma Society
AO Trustee
Chair of ATLS Hungary
National Delegate for ESTES

Chairpersons



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Faculty

Babst	Reto	Switzerland
Bavonratavech	Suthorn	Thailand
Nacsai	István	Hungary
Kassai	Tamás	Hungary
Pesantez-Hoyos	Rodrigo	Colombia
Pohlemann	Tim	Germany
Tóth	Ferenc	Hungary
Varga	Endre	Hungary
Wiegand	Norbert	Hungary

Tuesday, 30 August, 2016

TIME	AGENDA ITEM	WHO
LOCATION: Kodály Room		
08:00–08:30	Registration	
08:30–08:40	Welcome / Introduction to MIO Seminar	S Bavonratanavech, E Varga
Module 1	Basic Principles of MIO	Moderator: S Bavonratanavech
08:40–09:00	History and evolution of MIO	S Bavonratanavech
09:00–09:20	Decision Making and Preoperative Planning for MIO	R Pesantez-Hoyos
09:20–09:40	Implants & Instruments for MIO	R Babst
09:40–10:00	Reduction techniques in MIO	S Bavonratanavech
10:00–10:20	Applied anatomy for MIO	R Babst
10:20–10:40	Cases - Question & Answer	S Bavonratanavech
10:40–11:00	COFFEE BREAK	
Module 2	Application of MIO: Overview- imaging- biomechanics	Moderator: E Varga
11:00–11:20	Clinical application of MIO: Overview	R Pesantez-Hoyos
11:20–11:40	Biomechanics of bridge plating, LCP case based	S Bavonratanavech
11:40–12:00	Imaging for MIO	E Varga
12:00–12:20	Radiation hazards	I Nacsai
12:20–12:40	CAOS and MIO	E Varga
12:40–13:00	Cases - Question & Answer	E Varga
13:00–14:00	LUNCH BREAK	
Module 3	Application of MIO: Lower Limb	Moderator: R Babst
14:00–14:20	Surgical approaches of MIPO - femur (proximal/shaft/distal) - video	R Babst
14:20–14:40	MIPO Proximal femur - Case based discussion (video)	R Pesantez-Hoyos
14:40–15:00	MIPO Femoral shaft - Case based discussion (video)	T Pohlemann
15:00–15:30	MIPO Distal femur - Case based discussion (video)	S Bavonratanavech
15:30–15:50	COFFEE BREAK	
Module 4	Application of MIO for Lower Limb (Continued)	Moderator: R Babst
15:50–16:10	Surgical approaches of MIPO - tibia (proximal/shaft/distal) - video	E Varga
16:10–16:30	MIPO Proximal tibia - Case based discussion (video)	R Pesantez-Hoyos
16:30–17:00	MIPO Tibial shaft - Case based discussion (video)	R Babst
17:00–17:20	MIPO Distal tibia - Case based discussion (video)	R Pesantez-Hoyos

TIME	AGENDA ITEM	WHO
17:20–17:40	MIO calcaneus (video)	N Wiegand
17:40–18:00	Cases - Question & Answer	R Babst
18:00–18:10	Summary and End of day 1	S Bavonratanevech, E Varga
20:00–22:00	DINNER	

Wednesday, 31 August, 2016

TIME	AGENDA ITEM	WHO
Module 5	Application of MIO for Upper Limb	Moderator: R Pesantez-Hoyos
09:00–09:20	Clavicle	S Bavonratanevech
09:20–09:40	Anatomical considerations of MIPO Humerus	F Tóth
09:40–10:10	MIPO Proximal humerus- Case based discussion (video)	R Pesantez-Hoyos
10:10–10:30	COFFEE BREAK	
10:30–11:00	Humerus shaft - MIPO anterior approach - Case based discussion (video)	S Bavonratanevech
11:00–11:20	Humerus shaft - MIPO posterior approach-is it possible? (video)	R Pesantez-Hoyos
11:20–11:40	MIPO of the forearm (video)	R Pesantez-Hoyos
11:40–12:00	Cases - Question & Answer	R Pesantez-Hoyos
12:00–14:00	LUNCH BREAK	
Module 6	Other Applications of MIO	Moderator: T Pohlemann
14:00–14:20	MIPO of peri-prosthetic fractures	T Pohlemann
14:20–14:40	Minimal invasive Fixation of pelvic ring injuries (video)	E Varga
14:40–15:00	Minimal invasive Reduction of acetabular fracture	T Pohlemann
15:00–15:20	MIO in pediatric fractures (video)	T Kassai
15:20–15:40	Cases - Question & Answer	T Pohlemann
15:40–16:00	COFFEE BREAK	
Module 7	Special issues of MIO	Moderator: R Babst
16:00–16:20	Difficult implant removal after MIO - difficulties and solutions	T Pohlemann
16:20–16:40	Delayed fracture healing after MIO - how to prevent failure?	R Babst
16:40–17:00	Complications of MIO and Salvage	N Wiegand
17:00–17:30	Cases - Question & Answer	R Babst
17:30–17:40	Conclusion & End of the Course	S Bavonratanevech, E Varga

Course organization

AOTrauma Europe

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Course venue

Magyar Tudományos Akadémia Hungarian Academy of Sciences

Széchenyi István tér 9.

1051 Budapest, Hungary

Phone +36 1 411 6100

<http://mta.hu/english>



Course information



Course fee

AOTrauma Masters Course— Minimally Invasive Osteosynthesis registration fee:

Local attendees: 55,000 HUF

Included in the course fee are conference bag with documentation, coffee breaks and course certificate. Lunches and course dinner can be ordered separately.

International attendees: 400 EUR

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

Evaluation guidelines

All AOTrauma courses apply the same evaluation process, either audience response system (ARS) or paper and pencil questionnaires. This will help AOTrauma to ensure that we continue to meet your training needs. In some regions, CME accreditation is dependent on the participant's evaluation results.

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.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 course 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.

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Logistics and support provided by an educational grant from DePuy Synthes.