

AO Trauma Course— Basic Principles of Fracture Management for ORP

March 2-3, 2020

Spa, Belgium

EVENT PROGRAM



Welcome

Dear AO Trauma course participant,

Welcome to the AO Trauma Course—Basic Principles of Fracture Management for ORP, 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 for operating room personnel.

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 AO Trauma
Education Commission



Kоди Kojima
Chairperson AO Trauma
International Board

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 AO Trauma. The benefits of membership, including options to get involved in new opportunities that advance trauma care are described at www.aotrauma.org.

Mission

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

Purpose statement

AO Trauma 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 and the operating room personnel to put theory into practice and to improve fracture management for the benefit of the patient.

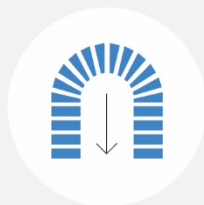
The AO principles of fracture management

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.

Chairperson



Mark Van Dijk, Roeselare, Belgium

National faculty

Marno Van Lieshout, Gent, Belgium

ORP Faculty

David Beckers, Leuven, Belgium
Annita Mellebeeckx, Leuven, Belgium
Caroline Van Brabant, Tienen, Belgium
Gudrun Van Hijfte, Gent, Belgium

Course description

The course structure provides didactic presentations, group discussions between participants and faculty, and practical exercises to apply different operative techniques.

This course will address:

- Fracture healing
- Bone biology
- Concepts of absolute and relative stability
- Treatment of shaft fractures
- Treatment of articular fractures
- Soft-tissue management
- Perioperative problems and complications in fracture care
- Nursing topics in trauma care
- Hands-on exercises with artificial bones to apply the techniques and promote familiarization with the instrumentation
- Interaction between faculty and participants to clarify understanding

Goal of the course

The AO Trauma Course—Basic Principles of Fracture Management for ORP provides fundamental knowledge in the operative treatment of fractures according to the AO Principles.

Target participants

This course is targeted at any operating room personnel (ORP) interested in developing knowledge and skills in the basic principles of operative fracture management.

Learning objectives

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

- Describe AO principles for the operative stabilization of fractures
- Relate soft-tissue damage, fracture healing, and surgical intervention in the injured patient
- Plan appropriate care for patients in the perioperative environment
- Anticipate potential pitfalls and intraoperative complications in fracture care
- Formulate systems for maintaining safe standards of practice
- Prepare and use appropriate instrumentation/implants for fracture treatment
- Use professional networks to share ideas, challenge poor practice, and provide support



Event organization

AOTrauma Belgium-Luxemburg

Kristin Beeckman

Phone +32 2 746 31 83

Email kristin.beeckman@aacourses.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

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.

Event venue

Hotel Silva Spa Balmoral

Route de Balmoral 33

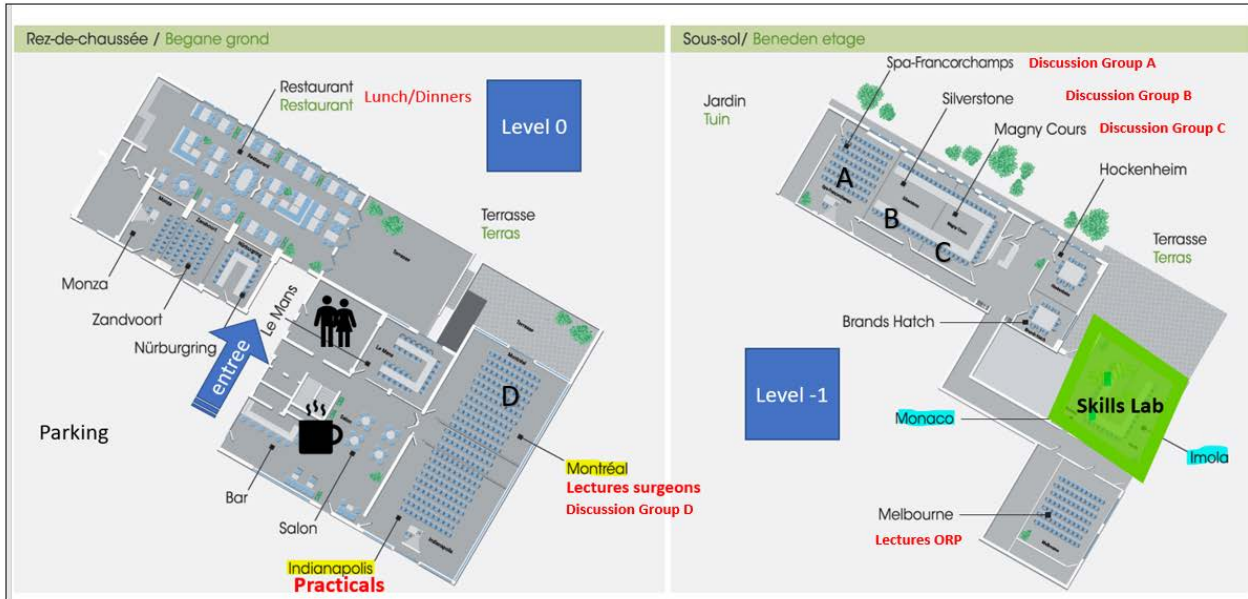
4900 Spa

Phone +32 87 79 32 53

www.silvahotelspabalmoral.be



Floorplan



General information

Course fee

AO Trauma Course—Basic Principles of Fracture Management for ORP: 50 €. Included in the course fee are theoretical & practical sessions, coffee breaks, 2 lunches and 1 coursedinner, course certificate,

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.

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 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.

Dag 1 : Maandag, 2 maart 2020

08:00–08:10	Verwelkoming en introductie	D. Beckers
08:10-08:25	Kennismaking met de wereld van AO : Algemene richtlijnen en afspraken	D. Beckers
08:25–08:45	Het bot : anatomie en botheling	M. Van Dijk M. Van Lieshout
08:45–09:05	Bothelingsprincipes	M. Van Dijk M. Van Lieshout
09:05–09:40	RX interpretaties	D. Beckers
09:40–10:00	Schroeven : vorm & functie	C. Van Brabant
10:00–10:20	Platen : vorm & functie	A. Mellebeeckx
10:20–10:30	Beantwoorden van vragen	
10:30–10:35	Verandering van locatie -> naar lokalen discussiegroepen A/B/C	
10:35–11:20	Groepsdiscussie 1 perioperatieve voorbereiding voor de osteosynthese van een distale femurfractuur	
11:20–11:35	Koffiepauze	
11:35–12:40	Practische oefening 1 Interne fixatie met een schroef en een plaat : absolute stabiliteit	D. Beckers
12:40–13:40	Middagmaal	
13:40–14:40	Practische oefening 2 Interne fixatie met een distale tibiafractuur door middel van een compressieplaat	C. Van Brabant
14:40–14:45	Verandering van locatie -> naar voordrachten	
14:45–15:15	Reductietechnieken	G. Van Hijfte

15:15–15:45	Intra medulaire nageling	A. Mellebeeckx
15:45–15:50	Beantwoorden van vragen	
15:50–16:10	Koffiepauze	
16:10–16:55	Groepsdiscussie 2 Case studies : RX interpretatie en PIP planning	
16:55–17:00	Verandering van locatie -> naar voordrachten	
17:00–17:20	Wat heb ik geleerd ? Reflectie	D. Beckers
17:20–17:25	Verandering van locatie -> naar praktische oefeningen	
17:25–18:25	Practische oefening 3 Diafysaire fractuur van de tibia	G. Van Hijfte
19:30	Coursedinner (faculty en deelnemers)	

Dag 2 : Dinsdag, 2 maart 2020

08:00–08:10	"Warming up" exercise	D. Beckers
08:10–08:15	Verandering locatie -> naar discussiegroepen	
08:15–08:55	Groepsdiscussie 3 Infectiepreventie	
08:55–09:00	Verandering locatie -> naar voordrachten	
09:00–09:20	Het compartiment syndroom	M. Van Dijk M. Van Lieshout
09:20–09:40	Principe van de externe fixator	M. Van Dijk M. Van Lieshout

09:40–09:45	Beantwoorden van vragen	
09:45–10:05	Koffiepauze	
10:05–10:55	Practische oefening 4 Externe fixator	C. Van Brabant
10:55–11:00	Verandering van locatie -> naar voordrachten	
11:00–11:20	Zorg dragen van instrumenten	A. Mellebeeckx
11:20–11:40	Verwijderen van osteosynthesemateriaal	G. Van Hijfte
11:40–12:40	Middagmaal	
12:40–13:00	Osteosynthese van een gewricht	M. Van Dijk M. Van Lieshout
13:00–13:20	Per- and intertrochanterische femur fracturen	M. Van Dijk M. Van Lieshout
13:20–13:30	Beantwoorden van vragen	
13:30–13:35	Veranderen van lokaal	
13:35–14:20	Groepsdiscussie 4 Peri-operatieve voorbereiding proximale femur fractuur	
14:20–14:40	Koffiepauze	
14:40–15:50	Practische oefening 5 Interne fixatie femur fractuur	D. Beckers
15:50–16:05	About AOTrauma	D. Beckers
16:05–16:30	Quiz – Reflectie	D. Beckers
16:35	Einde van de cursus – Certificaten	

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).

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)
- 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 (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 simulations

In case simulations are chosen as an educational method to educate skills, we only use technology approved by the AO Technical Commission—a large independent group of volunteer surgeons developing and peer reviewing new technology.

More information about the AO Technical Commission and its development and approval processes can be found on the AO's website: www.aofoundation.org.

5. Personnel

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

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



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



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