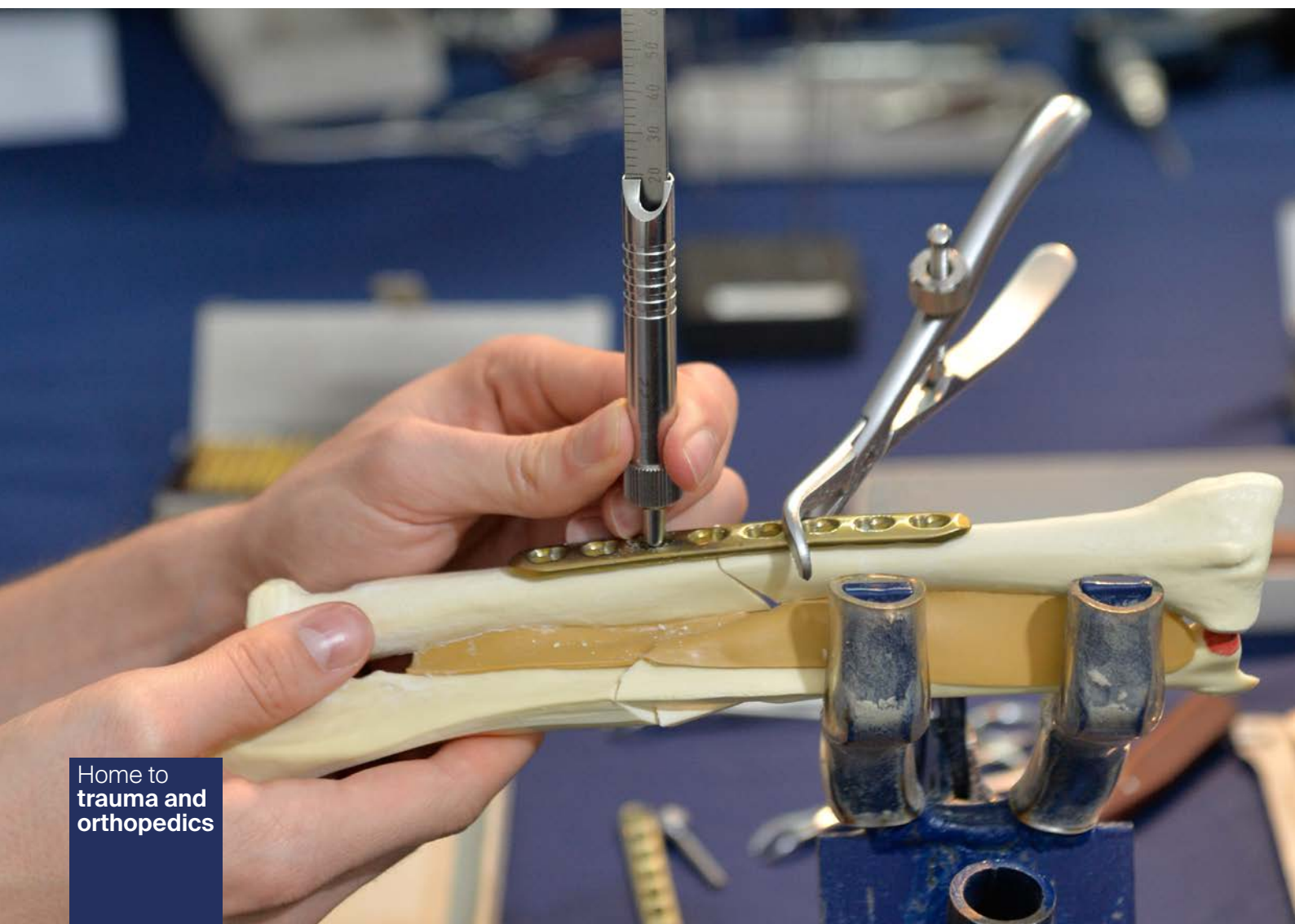


AO Trauma Course— **Advanced Principles of Fracture Management for ORP**

February 29–March 2
2020

Jeddah
Saudi Arabia

EVENT PROGRAM



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.

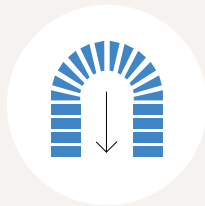
The AO principles of fracture management

1



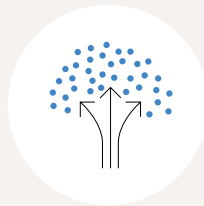
Fracture reduction and fixation to restore anatomical relationships.

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.

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Welcome

Dear AO Trauma course participant,

Welcome to the AO Trauma Course—Advanced 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.

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.

Yours sincerely,



Wa'el Taha
Chairperson AO Trauma
Education Commission



Kodi 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.

Welcome from AO Trauma Middle East and Northern Africa

Dear course participant,

Welcome to the AO Trauma Middle East and Northern Africa (AO TMENA) Courses 2020. Our goal at AO TMENA is to improve patient care through education and research. This year AO TMENA is offering 50 scientific and educational activities across the Middle East region and providing participants a high-level, evidence-based educational experience through lectures, discussion groups, and hands-on practical exercises. The AO Skills Lab will also be available in our region during all Basic Principles.

AO TMENA courses (like all AO Trauma courses) are the perfect platform for fulfilling your continuing educational needs. They offer you the opportunity to experience firsthand AO's premier educational offerings.

For more than 60 years AO Foundation has been a world leader in education and knowledge exchange. We are committed to continuing this journey and to improving patient care by transforming a surgeon's practice. We hope that you will enjoy this premier educational event with our faculty, who are leading experts in their respective fields. We wish you the best and hope you enjoy your time with us.

Yours sincerely,



Saeed Al-Thani
Chair
AO TMENA Education
Committee



Muhammad Wajid
Chair
AO TMENA Board

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:

- AO principles of operative fracture management
- Minimally invasive surgery
- Advanced techniques using locking compression plates
- Management of complex articular and metaphyseal fractures
- Pelvic fractures
- Polytrauma management
- Perioperative problems and complications in fracture care
- Perioperative patient care and 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 enhance understanding

Goal of the course

The AO Trauma Course—Advanced Principles of Fracture Management for ORP is based on current trends and concepts at an advanced level. The course will focus on the surgical treatment and intraoperative nursing care of complex fractures.

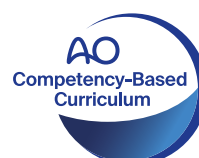
Target participants

This course is designed for operating room personnel (ORP) who completed the AO Trauma Course—Basic Principles of Fracture Management for ORP.

Learning objectives

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

- Describe AO Principles for the operative stabilization of fractures
- Relate to soft-tissue damage, fracture healing, and surgical intervention in the injured patient
- Explain the principles of and preparation for operative minimally invasive surgery
- Plan appropriate care for minimally invasive techniques using locking compression plates
- Discuss strategies for the care of polytrauma patients and decision making for preparation of surgeries
- Anticipate potential pitfalls and intraoperative complications in fracture care
- Formulate systems for maintaining safe standards of practice
- Prepare and use correctly instruments and corresponding implants for current fracture treatment
- Use professional networks to share ideas, challenge poor practice, and provide support



Chairperson Co-chairperson



Khalid Alsheikh
Saudi Arabia



Bilal Fayad
Saudi Arabia

Regional faculty

Khalida
Shanavas
Faraj

Alsmadi
Hameed
Salameh

Oman
United Arab Emirates
Jordan

National faculty

Fatehia
Khaled
Wassim
Taleb
Amro
Ali Abdullaht
Ahmed

Abdulhamid
Alabbasi
Aldebeyan
Aldeeri
Alhoukail
Alshehri
Marhoon

Saudi Arabia
Saudi Arabia
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Saudi Arabia

Saturday

February 29, 2020

08:00–08:10	Welcome and introduction	B Fayad
08:10–08:25	The AO world—from history to lifelong learning	K Alsheikh
08:25–08:45	Principles of fracture fixation—review	A Alhoukail

Module 1

Moderator: B Fayad

The polytrauma patient

08:45–09:05	The polytrauma patient	W Aldebeyan
09:05–09:10	Change of location	
09:10–10:10	Practical exercise 1 Stabilization of the pelvic ring using a large external fixator	K Alabbasi, K Alsmadi
10:10–10:30	Coffee break	
10:30–11:15	Small group discussion 1 The polytrauma patient—setting priorities	A: W Aldebeyan, F Salameh B: A Alhoukail, K Alsmadi C: K Alabbasi, S Hameed
11:15–11:20	Change of location	

Module 2

Moderator: B Fayad

Distal Femur

11:20–11:40	Principles of intramedullary nailing—review	K Alsheikh
11:40–11:45	Change of location	
11:45–12:30	Small group discussion 2 Patient with a femoral fracture	A: F Abdulhamid, A Marhoon B: A Alhoukail, A Alsheri C: K Alabbasi, F Salameh
12:30–13:30	Lunch break	
13:30–14:20	Practical exercise 2 Application of a large external distractor	A Alhoukail, B Fayad
14:20–14:25	Change of location	

Module 3

Moderator: F Salameh

Geriatric patients

14:25–14:45	Why are geriatric patients different?	A Alhoukail
14:45–15:05	Osteosynthesis of periprosthetic fractures	K Alabbasi
15:05–15:25	Arthroplasty in acute trauma	K Alsheikh
15:25–15:45	Coffee break	
15:45–16:45	Practical exercise 3 Internal fixation of proximal humeral fracture	W Aldebeyan, A Alsheri
16:45–17:05	What have I learned?	F Salameh
17:05	End of day 1	

Sunday

March 1, 2020

08:00–08:10	Brief review day 1 (Warming up exercise)	B Fayad
Module 4 Moderator: A Marhoon Pediatric patients		
08:15–08:35	Why are pediatric patients different? Use different implants for children?	F Abdulhamid
08:35–08:40	Change of location	
08:40–09:25	Small group discussion 3 Osteosynthesis in pediatric patients	A: F Abdulhamid, S Hameed B: W Aldebeyan, A Alsheri C: K Alabbasi, F Salameh
09:25–09:55	Coffee break	
09:55–10:50	Practical exercise 4 Internal fixation of a femur shaft fracture in a child	A Alhoukail, A Alsheri
10:50–10:55	Change of location	
Module 5 Moderator: A Marhoon Forearm fractures		
10:55–11:15	Forearm shaft fractures	F Abdulhamid
11:15–11:20	Change of location	
11:20–12:10	Practical exercise 5 Internal fixation of a forearm shaft fracture	K Alabbasi, F Salameh
12:10–13:00	Lunch break	
13:00–13:40	Small group discussion 4 Perioperative preparation for an osteosynthesis of a forearm shaft fracture	A: A Alhoukail, A Alsheri B: W Aldebeyan, A Marhoon C: K Alsheikh, T Aldeeri
13:40–13:45	Change of location	
Module 6 Moderator: A Alsheri Osteosynthesis involving joints		
13:45–14:05	Osteosynthesis involving a joint—review	K Alabbasi
14:05–14:25	Principles of tension band wiring	F Abdulhamid
14:25–14:45	Reduction techniques—case-based review	W Aldebeyan
14:45–15:10	Coffee break	
15:10–15:55	Practical exercise 6 Internal fixation of an olecranon fracture with tension band wiring	K Alabbasi, F Salameh
15:55–16:00	Change of location	
16:00–16:20	Patient safety	S Hameed
16:20–16:40	Characteristics of x-rays	K Alsmadi
16:40–17:00	Patient positioning	B Fayad
17:00–17:15	What have I learned? Reflection	K Alsmadi
17:15	End of day 2	

Monday

March 2, 2020

08:00–08:10	Brief review day 2 (“Warming up”)	B Fayad
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AO Skills Lab Station

Moderator: B Fayad

08:10–09:10	1. Station B—Soft tissue penetration during drilling 2. Station E—Techniques of reduction I 3. Station F—Techniques of reduction II 4. Station K—Damaged implant removal	1: F Abdulhamid, S Hameed 2: W Aldebeyan, A Alsheri 3: K Alabbasi, B Fayad 4: A Alhoukail, A Marhoon
09:10–09:15	Change of location	

Module 7

Moderator: A Marhoon

Wrist

09:15–09:35	Wrist: Advanced plating and screw techniques	W Aldebeyan
09:35–09:40	Change of location	
09:40–10:35	Practical exercise 7 Internal fixation of a distal intraarticular fracture of the radius	F Abdulhamid, T Aldeeri
10:35–11:05	Coffee break	

Module 8

Moderator: A Marhoon

Complications

11:05–11:25	Compartment syndrome	A Alhoukail
11:25–11:45	Management of open fractures	K Alabbasi
11:45–12:05	Bone grafts—autografts, allografts, artificial grafts	F Abdulhamid
12:05–12:25	About AO Trauma	B Fayad
12:25–12:50	Quiz and reflection	A Alsheri
12:50–13:50	Lunch break	
13:50	End of course	

Event organization

AO Trauma Middle East and Northern Africa

Marlene Sieber
Clavadelerstrasse 8
7270 Davos Platz
Phone +41 81 414 27 11
Fax +41 81 414 22 83
E-mail msieber@aotrauma.org

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 and ORP groups based on local needs assessments. We rely on industrial commercial partners for in-kind support to run simulations and/or skills training if educationally necessary.

Event information and logistics

AO Courses Middle East and Northern Africa

Maysa Dabbagh
Phone +97 142 97 200
E-mail dabbagh.maysa@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 to ensure that this cooperation has no impact on the curricula, scientific program, or faculty selection.

General information

Event fee

AO Trauma Course—Advanced Principles of Fracture Management for ORP: USD 560.

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

Evaluation guidelines

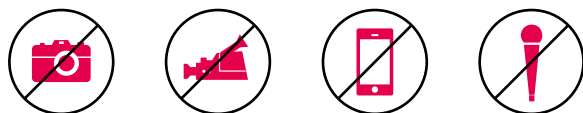
All AO Trauma events apply the same evaluation process, which includes pre- and post-event online evaluation and on-site written questionnaires. These evaluation tools help ensure that AO Trauma continues to meet your training needs.

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.

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.

Insurance

The event organization does not take out insurance to cover any individual against accident, 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

Event venue

Assila Hotel Jeddah

Assila Towers
Prince Mohammed Bin Abdulaziz St, Al Andalus
Jeddah 23326
Saudi Arabia
Phone: +966 12 231 9800
[https://www.marriott.com/hotels/travel/
jedla-assila-a-luxury-collection-hotel-jeddah/](https://www.marriott.com/hotels/travel/jedla-assila-a-luxury-collection-hotel-jeddah/)



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 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.

5. Personnel

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

Notes

AO Trauma membership

Driving excellence and empowering the next generation

Apply

for membership
www.aotrauma.org



Discover the advantages of joining the leading global trauma and orthopedic community, providing its members with education, research, and networking opportunities worldwide. **Join us and share your passion.**



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