

AO Trauma Masters Course— **Managing Pediatric Fractures**

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 to put theory into practice and to improve fracture management for the benefit of the patient.

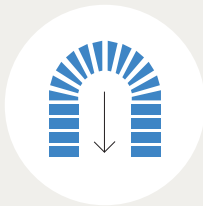
The AO principles of fracture management

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 Masters Course—Managing Pediatric Fractures, 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 unique format of the course provides key lectures, practical exercises, closed round-table discussions, and open plenary discussions in an interactive environment. Related topics are explored and current surgical and nonsurgical treatment for pediatric fractures are evaluated, with emphasis on preventing complications.

Goal of the course

The AO Trauma Course—Managing Pediatric Musculoskeletal Injuries aims to create a clinically centered learning environment where the current principles and techniques of fracture management in children and adolescents are demonstrated, applied, and discussed. In this course, modern concepts in pediatric fracture care are covered. During the practical exercises, participants will practice the methods presented and discussed in this course.

Target participants

This course is for traumatologists, orthopedic surgeons, and other surgeons who are actively engaged in pediatric fracture care and who want to enhance their level of expertise in this field. Ideally, participants have completed the AO Trauma Course—Basic Principles of Fracture Management. They must be able to communicate appropriately in English.

Learning objectives

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

- Recognize how bone characteristics and fracture classification are different in children and adolescents compared with adults, and describe how this affects bone healing and fracture management
- Evaluate a range of nonsurgical and surgical options for the treatment of common pediatric fractures
- Manage pediatric fractures according to biological and mechanical principles and apply appropriate techniques and technologies
- Apply treatment strategies for pediatric fractures based on available evidence and discuss areas of controversy
- Provide strategies for the prevention and management of complications associated with pediatric fractures

Chairperson Co-chairperson



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Muscat
Jordan

National Faculty

Khalid Khoshhal
Thamer AlHussainan
Ahmad Boeissa

Medinah
Riyadh
AlHassa

Saturday

February 29, 2020

08:00–08:15 Introduction to course

Module 1 Fundamentals of managing pediatric fractures

08:15–08:30	Plenary session—Warm-up cases to promote understanding of modeling capacity	
08:30–08:45	Lecture—The influence of growth & modeling in pediatric fractures	
08:45–09:05	Lecture—Patient safety essential in management of pediatric patients	
09:05–09:20	Plenary session—Reevaluation of warm-up cases to promote understanding of modeling capacity	

Module 2 Decision making

09:20–09:35	Lecture—Nonoperative treatment of children's fractures	
09:35–09:50	Lecture—Surgical treatment of children's fractures	
09:50–10:05	Lecture - Principles of elastic nailing – scientific basis and how to apply nailing – scientific basis and how to apply	
10:05–10:35	Coffee break	
10:35–11:25	Open small group discussions—Clinical decision making based on presentations in this module	

Module 3 Lower limb: femur fractures

11:25–11:35	Plenary session—Warm-up cases	
11:35–11:50	Lecture—Treatment of femoral fractures in different age groups	
11:50–12:50	Lunch break	
12:50–14:05	Focused round-table group discussions—Treating femur fractures in children and adolescents	
14:05–14:20	Plenary session—reevaluation of warm-up cases and summary	
14:20–15:50	Practical exercise— Elastic nailing in the femur: retrograde and anterograde techniques	
15:50–16:20	Coffee/Prayer break	
16:20–17:35	Practical exercise— Fixation of femur proximal metaphyseal fracture using the LCP Pediatric Hip Plate	
17:35	End of Day 1	

Sunday

March 1, 2020

Module 4 Lower limb: knee injuries

08:00–08:10	Plenary session—Warm-up cases
08:10–08:45	Focused round-table group discussions—Treating knee injuries in children of different ages
08:45–09:00	Plenary session—Reevaluation of warm-up cases and summary

Module 5 Lower limb: tibia and ankle injuries

09:00–09:10	Plenary session—Warm-up cases Include triplane and Salter III/IV fractures
09:10–09:55	Focused small group discussions—Tibial diaphysis and distal tibial fractures
09:55–10:05	Plenary session—Reevaluation of warm-up cases
10:05–10:35	Coffee break
10:35–11:25	Practical exercise— Tillaux and Triplane fractures

Module 6 Entire lower limb

11:25–12:25	Open small group discussions—Pediatric lower limb injuries
12:25–12:35	Plenary session—Summaries from each table of their discussions on the entire lower limb
12:35–13:35	Lunch break

Module 7 Upper limb: Shoulder girdle injuries, and humeral fractures

13:35–13:45	Plenary session—Warm-up cases
13:45–14:15	Focused small group discussions—Shoulder girdle and humerus
14:15–15:15	Practical exercise— Elastic nailing of humeral metaphyseal and shaft fractures
15:15–15:30	Plenary session—Reevaluation of warm-up cases and summary of module
15:30–16:00	Coffee/Prayer break

Module 8 Upper limb: supracondylar fractures

16:00–16:10	Plenary session—Warm-up cases
16:10–16:25	Lecture—Guidelines for treatment of supracondylar fractures
16:25–17:25	Focused small group discussions—Supracondylar fractures
17:25–17:40	Plenary session—Reevaluation of warm-up cases and summary of module
17:40	End of Day 2

Monday

March 2, 2020

08:00–09:00 Practical exercise—Humerus Supracondylar fractures

Module 9

Upper limb: elbow injuries

09:00–09:10	Plenary session—Warm-up cases Nonunion, malunion, growth arrest, missed Monteggia lesion	
09:10–09:55	Focused small group discussions—Elbow injuries	
09:55–10:25	Coffee break	
10:25–11:15	Practical exercise— Radial condyle and medial epicondyle fractures	
11:15–11:30	Plenary session—Reevaluation of warm-up cases and summary of module	

Module 10

Upper limb: forearm and wrist fractures

11:30–11:40	Plenary session—Warm-up cases	
11:40–11:55	Lecture—Forearm fracture treatment: casting, elastic nailing, or plating	
11:55–12:40	Focused small group discussions—Treating forearm and wrist fractures	
12:40–12:55	Plenary session—Reevaluation of warm-up cases and summary of module	
12:55–13:30	Lunch break	
13:30–14:30	Practical exercise— Elastic nailing of forearm and radial neck fractures	

Module 11

Upper limb: forearm and wrist fractures

14:30–15:30	Open small group discussions—Pediatric upper limb injuries	
15:30–15:40	Plenary session—Summaries from each table of their discussions on decision making, take home messages	
15:40–16:00	Lecture—Summary and closure of course	

Event organization

AO Trauma Middle East and Northern Africa

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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 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 Middle East and Northern Africa

Maysa Dabbagh
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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 Masters Course—Managing Pediatric Fractures: USD 1,125.

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

CME Accreditation

An application has been made to the DHA CME accreditation of this event.

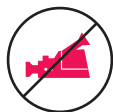
Evaluation guidelines

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.

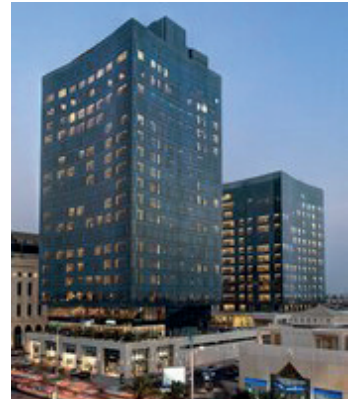
Dress code

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 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.

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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