

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 advanced operative techniques such as minimally invasive surgery
- Plan appropriate care for advanced and complex surgery
- 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

Modules

- Module 1—General principles
- Module 2—The polytrauma patient
- Module 3—Distal femur
- Module 4—Geriatric patients
- Module 5—Pediatric patients
- Module 6—Malleolar fractures
- Module 7—Forearm fractures
- Module 8—Wrist
- Module 9—Osteosynthesis involving a joint
- Module 10—Complications
- Module 11—Others: Patient safety, leadership

Practical exercises

- Stabilization of the pelvic ring using a large external fixator
 - Application of the large distractor
 - Intramedullary nailing of a femoral shaft with reaming
 - Internal fixation of proximal humeral fracture
 - Internal fixation of a femoral shaft fracture in a child
 - Internal fixation of a malleolar fracture
 - Internal fixation of a forearm shaft fracture
 - Internal fixation of a distal intraarticular fracture of the radius
- Internal fixation of an olecranon with cerclage wiring

Small group discussions

- The polytrauma patient—Setting priorities
- Patient with a femoral fracture
- Osteosynthesis in geriatric patients
- Osteosynthesis in pediatric patients
- Perioperative preparation for an osteosynthesis of a malleolar fracture
- Perioperative preparation for an osteosynthesis of a forearm shaft fracture
- Challenges in the OR
- Draping
- Patient safety
- Leadership and communication

AO Skills Lab

- Soft-tissue penetration during drilling
- Techniques of reduction
- Damaged implant removal

Scan the QR code or click on the link button below to find the nearest location and date for this course:



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