AO TRAUMA

AO Trauma Blended Course
Basic Principles of Fracture Management

Course description

This blended course is composed of an online and a face-to-face (F2F) part. The online part starts 3 weeks before the F2F event, and each week consists of 2 distance learning modules followed by an online, synchronous small-group case discussion.

Participants should plan for 2-3 hours asynchronous online learning per week, plus the mandatory 90 min synchronous online case discussion. There is a Q&A forum for each week for content related questions and for engaging with faculty.

Participants must complete the online component before attending the face-to-face course. While the online component focuses on knowledge and attitudes, skills training will be covered during the F2F part.

Target participants

This course is targeted at surgical trainees and is also open to certified orthopedic and trauma surgeons who are interested in furthering their knowledge and skills in operative fracture management.

Learning objectives

Upon completion, participants should be able to:

- Discuss the concepts of stability, their influence on bone healing, and how to apply implants to achieve appropriate stability.
- Plan a treatment based on assessment, imaging, classification, and decision-making.
- Apply reduction techniques in fracture management with attention to the importance of the soft tissue.
- Use appropriate fixation techniques to treat diaphyseal and simple (peri)articular fractures.
- Evaluate and recognize special problems related to fractures in the immature skeleton, pelvic injuries, osteoporotic fractures, postoperative infection, and delayed union and/or nonunion.
- Plan the initial treatment of the polytraumatized patient.

Application for this course are made to the UEMS-EACCME® in Brussels for European CME credits (ECMEC).

Modules

- General principles
- Stability and biomechanics of bone healing
- Treatment of diaphyseal fractures
- Treatment of articular fractures
- Emergency management and polytrauma patient
- Special situations and problems

Practical Exercises

Touch Surgery simulation:

- Femoral Shaft Fracture, intramedullary fixation using the R/AFN (antegrade)
- Tibia Shaft Fractures, closed reduction and reamed intramedullary nailing using the Expert Tibial Nail
- Proximal femur CRIF with the PFNA
- Stabilization using the Dynamic Hip Screw
- Tibia and fibula Type C malleolar fracture (44C)
- Tibia shaft fractures, large external fixator: modular frame (Ex-Fix)

Skill Labs:

- Internal fixation with screws and plates—absolute stability
- Principles of the internal fixator using the locking compression plate
- Management of a trochanteric fracture
- Preoperative planning
- Cerclage compression wiring of the olecranon
- Management of a type 44C malleolar fracture
- Intramedullary nailing (tibial or femoral shaft)
- Application of a modular large external fixator

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

CLICK HERE

We thank our major industry partner Johnson & Johnson MedTech for providing an unrestricted educational grant and in-kind support for this event