

Goal of the course

This course aims to create a clinically centered learning environment, introducing, discussing, and applying the current principles and techniques of fractures in children and adolescents. Modern concepts in pediatric treatment are covered at an advanced level.

Target participants

This course is targeted at traumatologists, orthopedic surgeons, and other surgeons who are actively engaged in pediatric fracture care and who want to enhance their level of expertise in the field of pediatric trauma/orthopedics management.

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 to adults, and describe how this affects bone healing and fracture management
- Evaluate a range of nonoperative 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
- Develop strategies for the prevention and management of complications associated with pediatric fractures
- Explain the issues related to managing the child and family

Small group discussions

- Clinical decision making
- Treating femur fractures in children and adolescents
- Treating knee injuries in children of different ages
- Tibial diaphysis and distal tibial fractures
- Shoulder girdle and humerus
- Supracondylar fractures
- Elbow injuries: Lateral condyle, medial epicondyle and radial neck, and olecranon fractures
- Treating forearm and wrist fractures
- Pediatric lower limb injuries
- Pediatric upper limb injuries
- Open fractures & skeletal aspects of polytrauma in children*
- Spinal trauma, pelvis & acetabular fractures, hip dislocations*
- Causes and treatment of acquired deformity*
- Causes and treatment of congenital deformity*
- Infection*

Modules

- Module 1: Fundamentals of managing pediatric fractures
- Module 2: Decision making
- Module 3: Lower limb: femur fractures
- Module 4: Lower limb: knee injuries
- Module 5: Lower limb: tibia, and ankle injuries
- Module 6: Upper limb: shoulder girdle injuries and humeral fractures
- Module 7: Upper limb: supracondylar fractures
- Module 8: Upper limb: elbow injuries
- Module 9: Upper limb: forearm and wrist fractures
- Module 10: Entire lower limb
- Module 11: Entire upper limb
- Module 12: Complex musculoskeletal injuries in children*
- Module 13: Slipped capital femoral epiphysis*
- Module 14: Deformity management*
- Module 15: Pathological bone (non-oncological aspects)*
- Module 16: Management of bone and joint infection in children*

Practical exercises

- Casting techniques and wedging
- Elastic nailing in the femur: retrograde and anterograde techniques
- Fixation of femur proximal metaphyseal fracture using the LCP Pediatric Hip Plate
- Fixation of Salter-Harris II Epiphyseal injury of distal femur with cannulated Screws
- Triplane (and Tillaux) fractures
- Elastic nailing of humeral metaphyseal and shaft fractures
- Humerus Supracondylar fractures
- Radial condyle and medial epicondyle fractures
- Elastic nailing of forearm and radial neck fractures
- Proximal femoral varus osteotomy (valgus optional)

*Only in selected courses. Check your chosen date and location for the full program.

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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