



Introduction to fracture management using linear external skeletal fixation

0900-0930 Fracture Healing

- a. Overview
- b. Primary bone healing
- c. Secondary bone healing
- d. Biologic fracture management

0930-1015 Introduction to ESF

- a. Manufacturers / types
- b. Components
- c. Configurations
- d. Bio-mechanics of the frame

10.15-10.45 Coffee

10.45 – 12.15 Practical exercise I – ‘dowel’ / plastic rods

- a. Introduction to Imex SK equipment
- b. Application
- c. Understanding the relationships between configuration and function

12.15-12.45 Fracture planning

- a. Patient
- b. Fracture
- c. Environment
- d. Application – safe corridors, pre-drilling

12.45 – 13.45 Lunch

13.45 – 15.15 Practical exercise II – fracture fixation (Tibia)

Mid shaft short oblique / transverse tibial fracture
Application of type I, II and III frames

15.15-15.45 Coffee

15. 45 – 17.00 Practical exercise III –fracture fixation (Humerus)

Application of type I, discuss IM pin / tie in

17.00-17.30 Aftercare

- a. Frame management
- b. Monitoring healing
- c. Complications
- d. Removal

17.30 Summary and Q&A