

Fractures of the Tibia and Pott's Fracture Ankle

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Definition

Incidence

Age

Trauma

Clinical Picture

Associated Injuries

Complications

Bone

Nerve

Muscle

Deformity

Treatment

Fracture Shaft Tibia

- Common
- All Ages
- Subcutaneous Commonly Open Fracture

Transverse
Oblique
Spiral
Comminuted
Double Level



Fracture Shaft Tibia

Clinical Picture

General ? Vascular injury

Complications:

Open

Osteomyelitis

Vascular Injury ... *Compartment Syndrome!!!!*

Malunion

Nonunion No Muscles Tendons, less Blood Supply

Fracture Shaft Tibia

Treatment

Closed Reduction and Cast

External Skeletal Fixation

Open Reduction Internal Fixation Plate/ Nail

+/- Bone Graft

Pott's Fracture Dislocation Ankle

Bimalleolar Fracture

Usually twisting Injury

?? Sprain

All Ages...

Beware Older Patients

Pott's Fracture Dislocation Ankle

Trauma:

According to Position of foot at time of Injury, and Mechanism/ direction of Force

Pott's Fracture Dislocation Ankle

Supination - External Rotation Fracture

Oblique Fracture Lateral Malleolus

Fracture Posterior Malleolus

Tear Deltoid Ligament

Transverse Fracture Medial

Malleolus

Trimalleolar Fracture

Dislocation



Pott's Fracture Dislocation Ankle

Pronation – External Rotation Injury

Transverse Fracture Medial Malleolus

Rupture Deltoid Ligament

Spiral Fracture Lateral Malleolus Posteroinf to anterosup

Avulsion of Posterior Malleolus

Pott's Fracture Dislocation Ankle

Pronation – Abduction Injury

Avulsion Fracture Medial Malleolus
Syndesmotic ligament injury
Fracture Fibula Above Syndesmotic



Pott's Fracture Dislocation Ankle

Supination – Adduction Injury

Avulsion Fracture Lateral Malleolus BELOW Syndesmosis
Vertical Fracture of Medial Malleolus



Pott's Fracture Dislocation Ankle

Vertical Fracture / Pilon Fracture

Fall From Height



Pilon Fracture



Pott's Fracture Dislocation Ankle

Complication

Malunion

Osteoarthritis

Sudek's Atrophy

Pott's Fracture Dislocation Ankle

Treatment

Restore Anatomy

Restore Mechanism of Injury/ Direction of Force

Cast

ORIF

Physiotherapy

Thank You

