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Foot & Ankle Trauma:
An Informative Glimpse at Management
OBJECTIVE
Describe common surgical management and mismanagement scenarios for foot and ankle trauma

SESSION OBJECTIVES
• Following the presentation, the participant should be able to...
  1. Identify the salient anatomy of the foot and ankle
  2. Describe classification schemes of common trauma to the ankle and foot
  3. Describe common surgical management and mismanagement scenarios of ankle and foot trauma
DISCLOSURES (none) & TRANSPARENCY
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1. Early detection
2. Early reporting
3. Early response
4. On scene care
5. Care in transit
6. Transfer to definitive care

The Rod of Asclepius - Ancient Greek symbol of healing
WHEATIES

The Breakfast of Champions!
TRAUMA
ISOLATED
TRAUMA
WHAT DO YOU DO ANYWAY?!
Frustum of cone
Dorsiflexion

Plantar flexion
ANKLE FRACTURES
Ankle Fractures

Epidemiology

- 187 ankle fractures per 100,000
- Male predominance
- 44% of fractures secondary to moderate trauma

WHEN IT GOES RIGHT...
WHEN IT GOES RIGHT...
TREATMENT GOALS

Anatomic Reduction
Maintaining Reduction
Return to Function
WHEN IT GOES WRONG...
MALREDUCTION

EQUATES TO DISFUNCTION
MALREDUCTION
Diabetes

Us
"Personality of the Fracture"

Tibial Plateau Fractures
Schatzker's Classification of Tibial Plateau Fractures

Type I
Type II
Type III
Type IV
Type V
Type VI
DIABETIC ANKLE FRACTURES
Diabetes Mellitus & Neuropathic ANKLE Fractures

AMPUTATION of LIMB

- Connolly & Cencsitz (1998) 17.7% (1/6); several more near amputations
- Jani, et al (2003) 13% (2/16); 8% (1/13) closed fx
- McCormack & Leith (1998) 10.5% (2/19); both died
- Low & Tan (1995) 20% (2/10)
- White et al 2003 43% (6/14); open fractures

**OVERALL RATE = 4 - 20(43)%**
EXTERNAL FIXATION
PILON FRACTURES
Fracture line traversing the weight bearing surface of the distal tibia
GOALS OF SURGERY
ANKLE ARTHRITIS
ANKLE REPLACEMENT
CALCANEUS FRACTURES
CALCANEUS FRACTURES

1) SOFT TISSUE
2) OSSEOUS
FRACTURE ANATOMY
WHEN IT GOES WRONG...
BUNION DEFORMITY
DIABETIC FOOT INFECTION
Diabetes

Us
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Micha...
Do the following items meet your needs?

- Excellent
- Good
- Fair
THANK YOU CLEVELAND

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