

Mechanism of Injury - Neck

• 50 % patients- multiple traumatic injuries

• MVC or fall from height

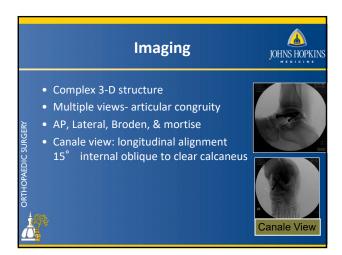
- Hyper-dorsiflexion

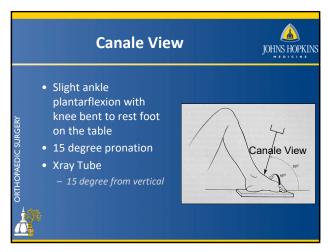
- Dorsal Medial impaction

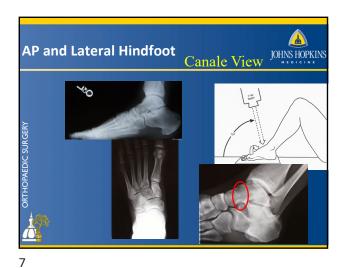
- External Rotation and Adduction

- Lateral tension failure

"Aviator's Astragalus" (Anderson 1919)











• Immediate reduction of dislocated joints

- Vascularity

- Cutaneous tension

- Vascular compromise

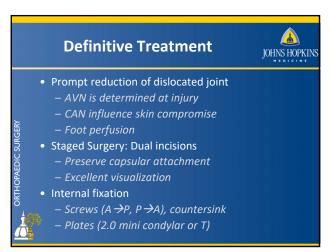
• Anatomic fracture reduction- timing?

• Stable fixation

• Facilitate union

• Avoid complications

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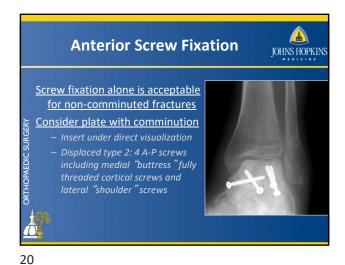


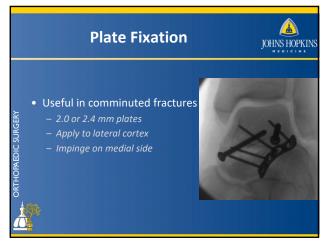


2 incisions: Skin bridge JOHNS HOPKINS • Skin bridge well tolerated • "2 to 1" consideration Generally less soft tissue complication

17 18



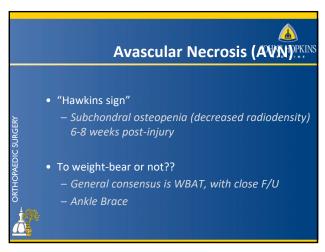




RESULTS JOHNS HOPKINS TALAR NECK #'S ARE BAD INJURIES • Undisplaced: <13% AVN 40-50% Unsatisfactory • Type II: 20-50% AVN • Type III/IV: 40-100% AVN

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Body Fractures JOHNS HOPKINS Different actor At issue is **BOTH** articular Higher percentage of poor result 2° arthritis Treatment goal Restoration of anatomy Use malleolar fractures or osteotomy to reduce fracture



