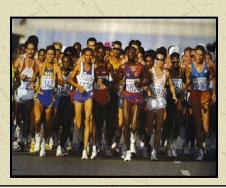


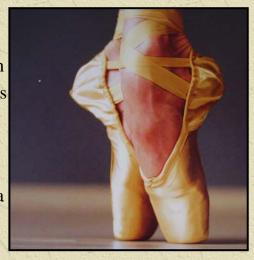
Agony of da Feet

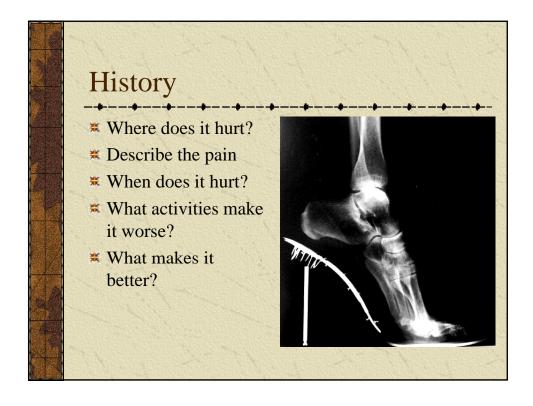
- **≈** 1,000,000 steps per year
- Tons of weight applied to foot and ankle complex with running/jumping activities

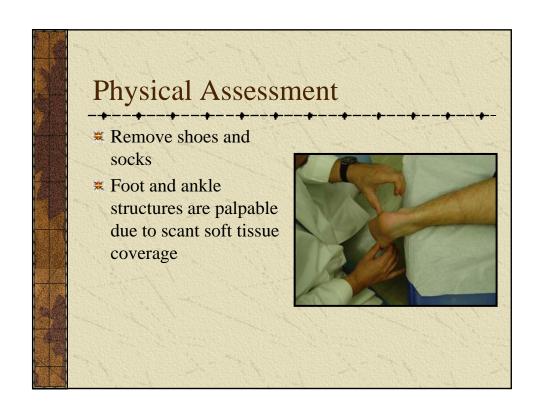


Foot and Ankle Pathology: Six Common Foot and Ankle Problems.

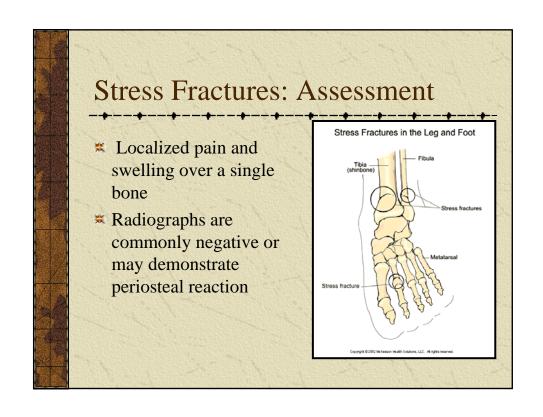
- **Stress Fractures**
- ▼ Posterior tibial tendon dysfunction
- Insertional Achilles tendonitis
- **#** Plantar fasciitis
- Hallux Rigidus
- Morton's Neuroma

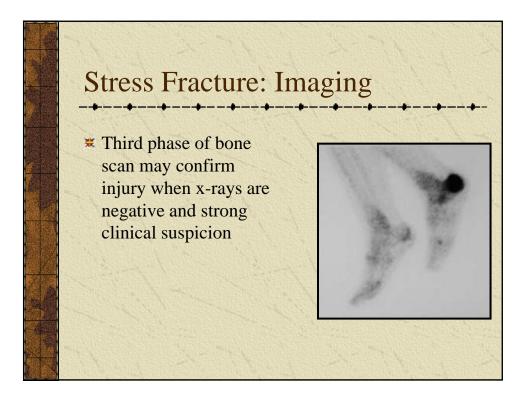


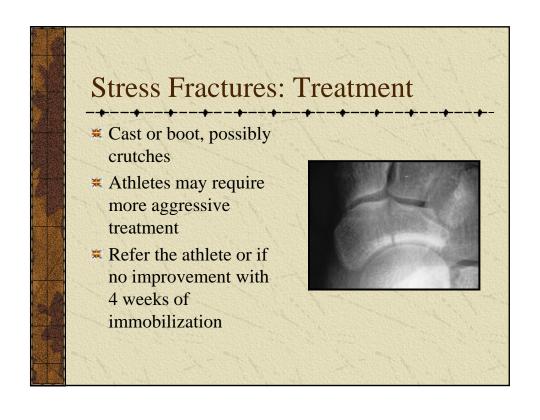




** Microfracture results from cumulative stress on the bone ** 2nd MT, navicular, calcaneus ** Associated with osteopenia or onset of new activity







Hindfoot Pain: Posterior Tibial Tendon Dysfunction

Assessment:

- ♣ Progressive flatfoot deformity with pain and swelling about the posterior tibial tendon
- **Middle-aged** women
- Midfoot breakdown

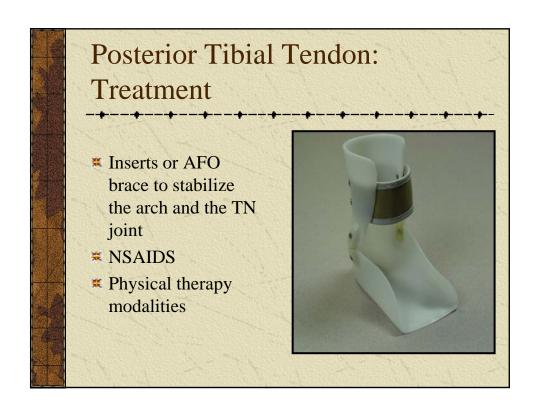


Posterior Tendon Dysfunction: Assessment

- Deformity may become rigid over time
- The PTT largely controls the talonavicular joint



Posterior Tibial Tendon: Imaging ** Radiographs demonstrate breakdown of the TN joint on the AP and lateral views ** MRI demonstrates variable involvement of the PTT



Hindfoot Pain: Insertional Achilles Tendonitis

Examination:

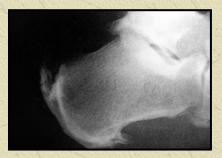
- **≭** Tendon intact
- Tenderness about the insertional area onto the calcaneus
- Usually swelling over insertional area
- * A toe raise reproduces the pain

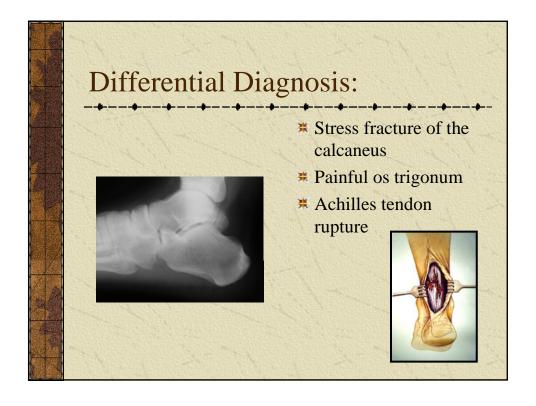


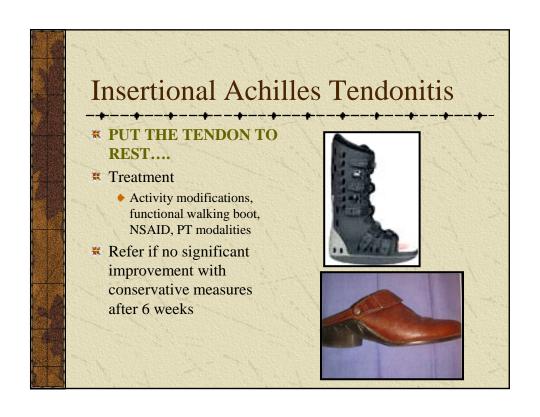
Insertional Achilles Tendonitis

Radiographic Findings

- # Haglund's deformity
- Spurring/dystrophic calcification within the tendon

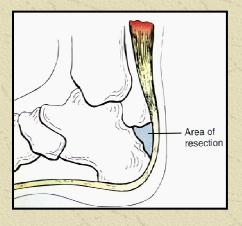






Insertional Achilles Tendonitis: Surgical Options

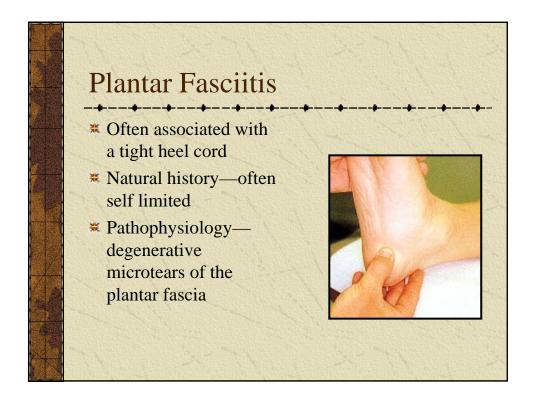
- Removal of Haglund's
- Debridement of Achilles
- Reattachment of Achilles tendon
- Long recuperation

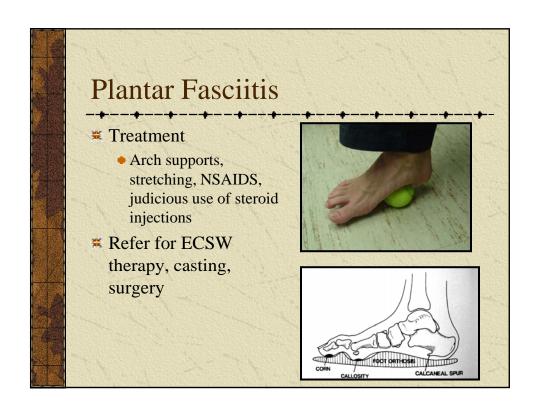


Hindfoot Pain: Plantar Fasciitis:

- History: Pain prominent in the AM
- * Exam: tenderness over the plantar medial insertion of the plantar fascia
- No pain with ST motion or tapping over the tarsal tunnel



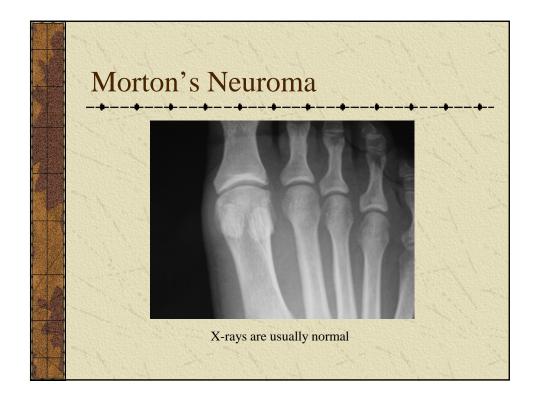




Forefoot Pain: Morton's Neuroma Digital nerve entrapment of 2-3 or 3-4 interspace Neurogenic pain on plantar surface and numbness of one-half of toe Mulder's click Positive forefoot

squeeze test



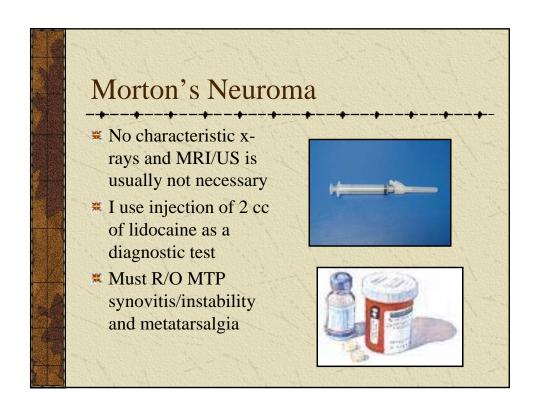


* Average age: 55

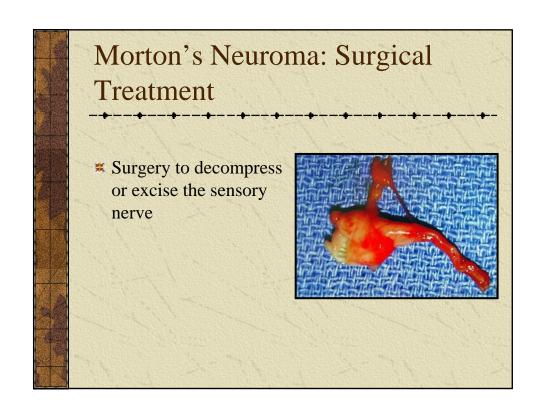
Morton's Neuroma

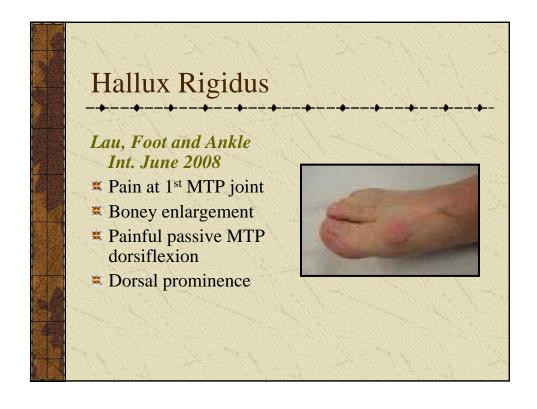
- **★** Diagnostic lidocaine injection is essential
- **★** Concurrent neuroma in approx 2-3%

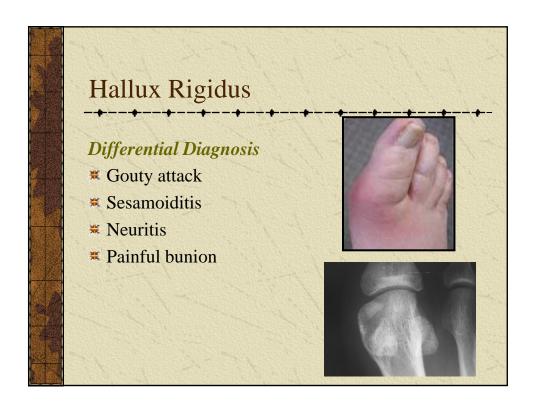
Morton's Neuroma: Assessment ** Pathoanatomy: nerve entrapment at distal aspect of the transverse MT ligament ** Rule out more proximal source ** Uncommon to have concurrent neuroma in adjacent interspace

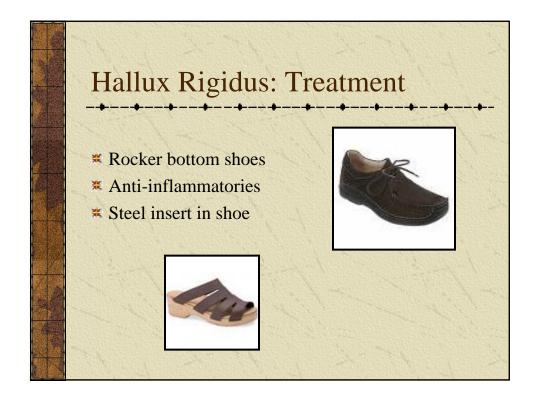


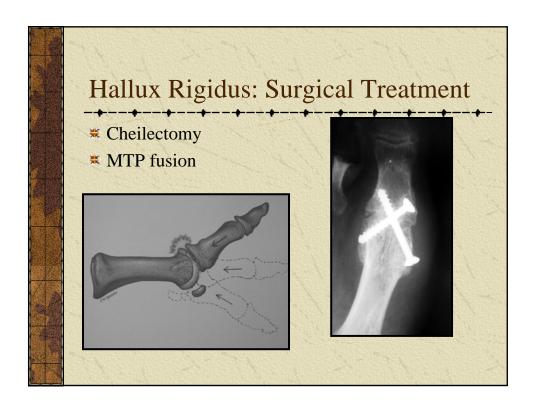
Morton's Neuroma: Treatment * Goal • Decrease nerve swelling and increase the size of the interspace * Transverse metatarsal bar, shoe modifications, NSAIDS, steroid injections











Foot and Ankle Injuries

- By understanding the pathology present, one has the best chance of correcting it
- ★ Preventative treatment can circumvent more serious problems later

