

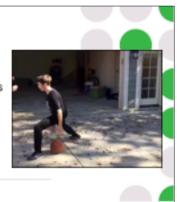
#### My Practice at a Glance

- 1 physician assistant
- 1 resident
- 1-2 medical students
- Weekly journal club/resident lectures
- 32 patients per clinic day
  8-10 surgeries per week



## Ankle Sprain

- · One of the most common injuries
- -25,000 ankle sprains occur daily in US
- 85% "lateral" ankle sprain
- Wide variety of severity
   Ability to weight bear



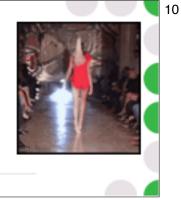
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#### Mechanism

- Anterolateral rotation
- Foot is typically plantar flexed





#### Accompanying Injuries

- · Peroneal tendon tear
- Peroneal tendon subluxation
- Sural nerve neuritis
- Osteochondral lesion of the talus
   Syndesmosis Rupture





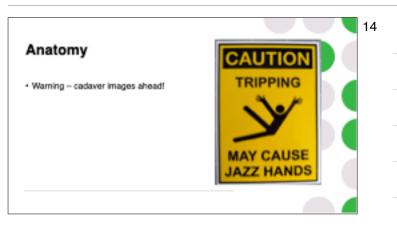


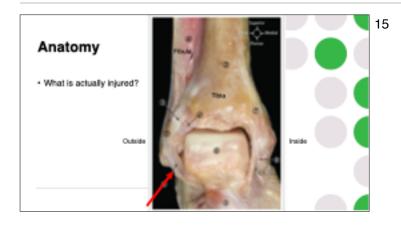
# Subjectivity

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- No objective measure to diagnose an ankle sprain
- Indication for surgery differs from surgeon to surgeon
  - Podiatry versus Orthopedics

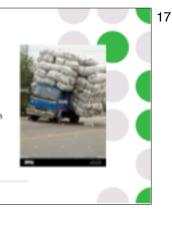






# Standard of Care

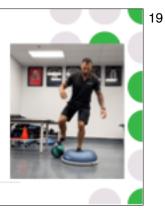
- · Early weight bearing
- Early physical therapy
   Proprioception
- Recommend against cam boot immobilization
   Somewhat controversial
- No role for early surgical intervention





## My approach

- Physical therapy
  - Proprioception
    - Re-establishing "trust" in ankle
    - Decrease swelling
    - Strengthon secondary stabilizers (muscles)



#### My approach

- Routine Follow Up
  - 6 weeks from date of injury
  - $^\circ$  –80% fully resolved within this time frame
  - Monitor for other pathologies
    - Peroneal tendon injuries
    - Anterior ankle impirgement
  - Osteochondral lesions of the talus
     If not progressing, MRI.



# MRI and Ankle Sprain

- · A significant portion of the population would have MRI findings of an ankle sprain....
- My approach
- Valuable for looking for other injuries Early MRI doesn't change treatment
- Therapy

HBE in Acute Ankle Speaker: Should We Be Me Aggressive with Indications?

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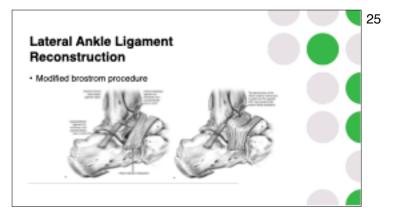
# The role of surgery

- Failed conservative treatment
  - 3-6 months duration in most cases
    - Therapy
    - Course of NSAID
    - · Course of late immobilization? Steroid injection?

#### The role of surgery

- · Address concomitant injuries
- · The ankle feets "loose"
- · "I feel like I can't trust my ankle"
- · "I can't get out of my ankle brace"
- · "I feel like I need to always watch my foot to avoid rolling it"



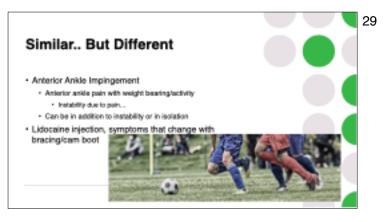






# **Does Instability Cause Pain?**

- ... Maybe...
- My approach
  - Consider lidocaine injection into ankle joint.
  - Helps differentiate ankle pain versus instability
    Patient has no pain but still does not "trust" their ankle
  - Tablet has the part out out and a first model and



## Similar.. But Different

Anterior Ankle Impingement

- Can resolve without treatment
   Can resolve with single steroid injection
- Can resolve with single stero
- Can resolve with PT
- Recalcitrant cases ankle arthroscopy, anterior decompression
  - 2 weeks in care boot, toe touch weight bearing, no restrictions after



# Sprain Versus Fracture

- Is it broken or just fractured?
   Ankle fractures are more predictable
   Prognosis
  - Indications for surgery



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#### So why are we talking about ankle sprains?

 ~ half of my IME/record reviews are for "ankle sprains"

For example.....



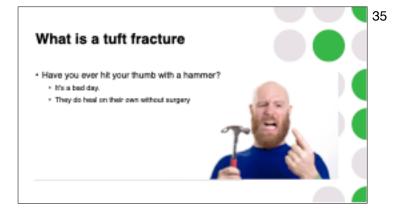
Ankle Sprain Work Comp - October 3, 2023



Idealory of present linease obtained from patient. 33-year-old main presents to the emergency room compliaining of right great toe and the back pain after a Chevy SUV that he was treading in structure to slippery conditions running off the road. The patient was a backseat passenger unvertained in which some hand toos struck his toe back resulting in the pain. He also injund his right great toe which she has some blood around the datal and of the nail. He denies any head, neck, chest, abdominal or any additional extremity injury or pein.



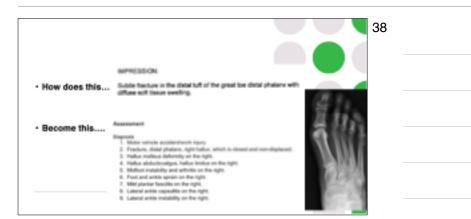




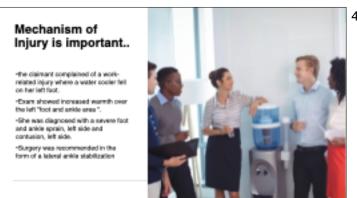


Ankle Sprain Work Comp - October 3, 2023











- Ankle instability is a subjective diagnosis
   Mechanism of injury is important
   Almost no role for early surgical intervention
- Early mobilization and physical therapy are agreed upon treatments

