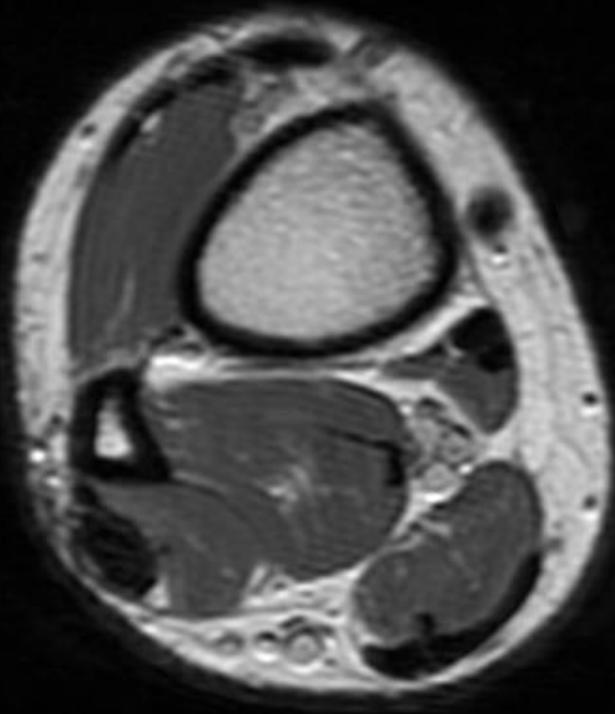


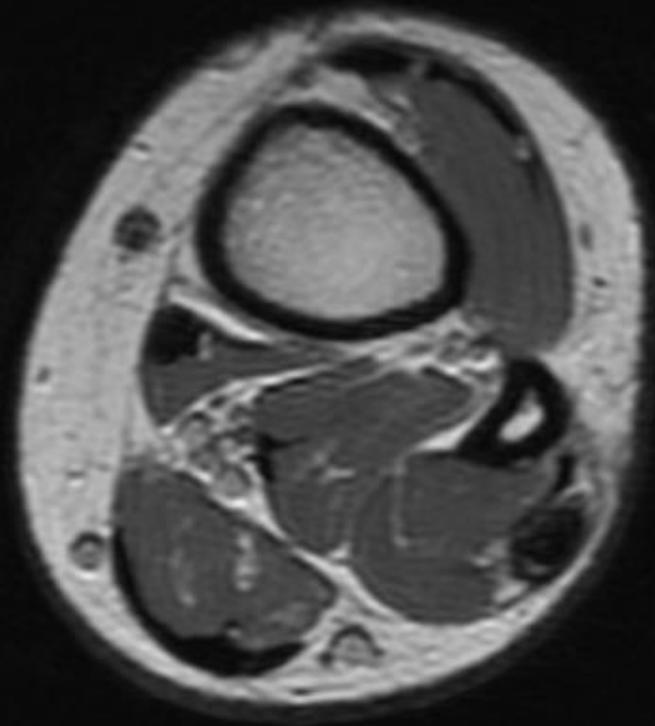
48 yo male

Pain on left ankle

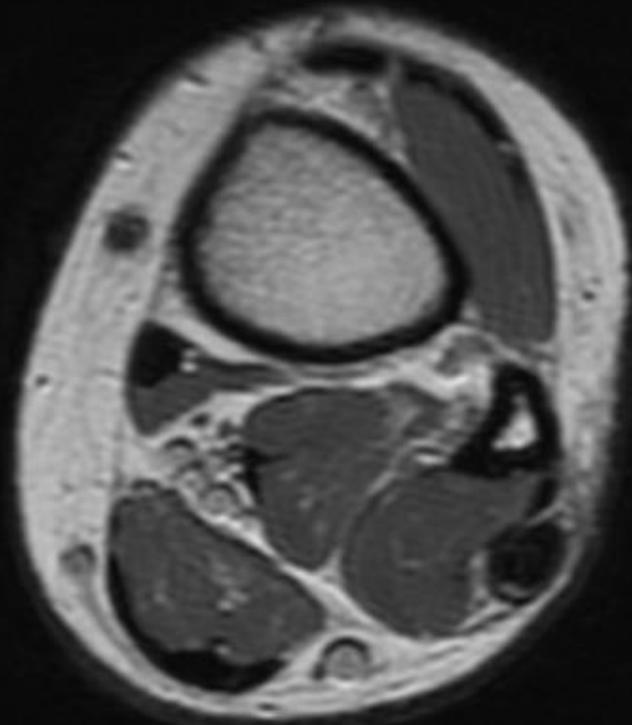
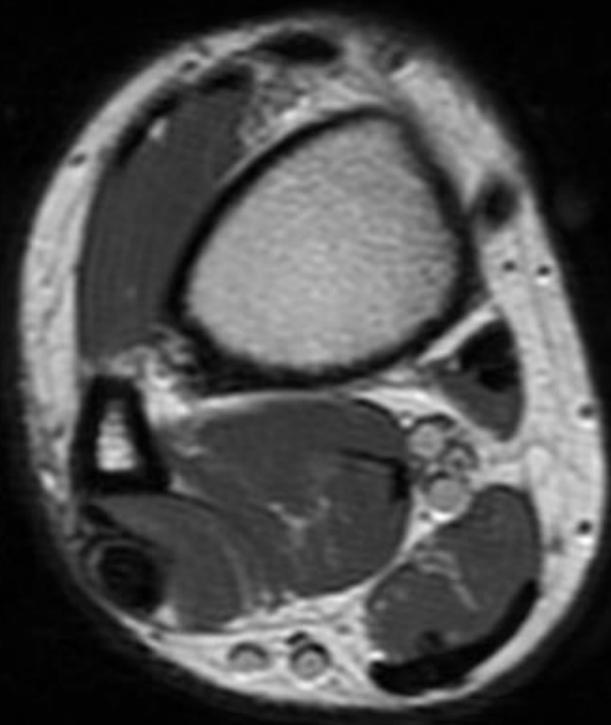
h/o tendon repair on right ankle  
(prior contralateral ankle MRI)

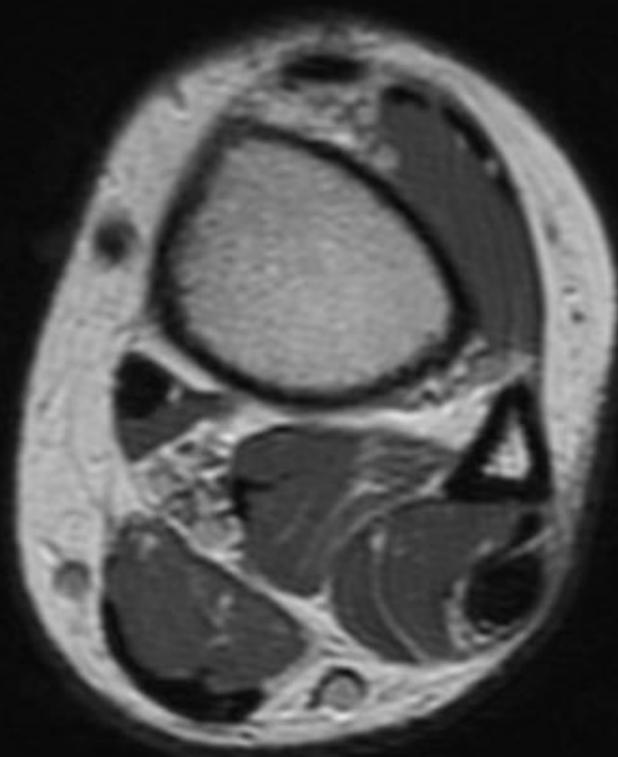
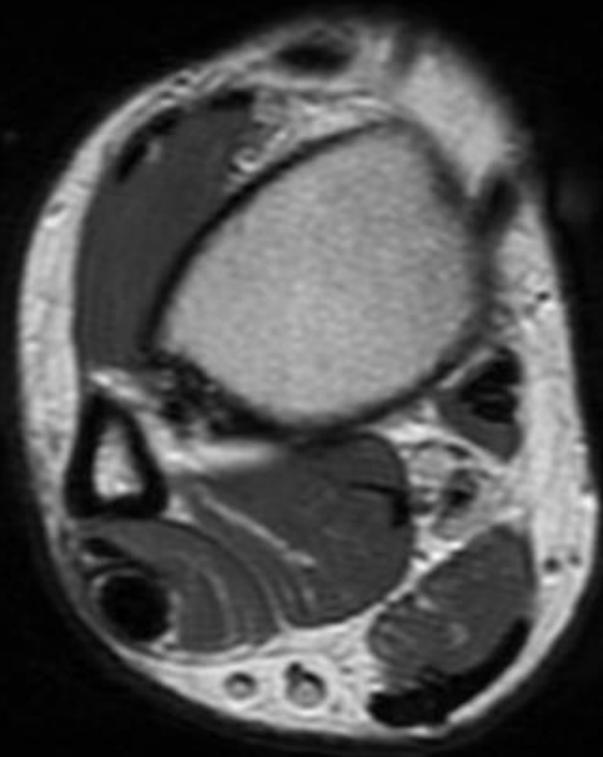


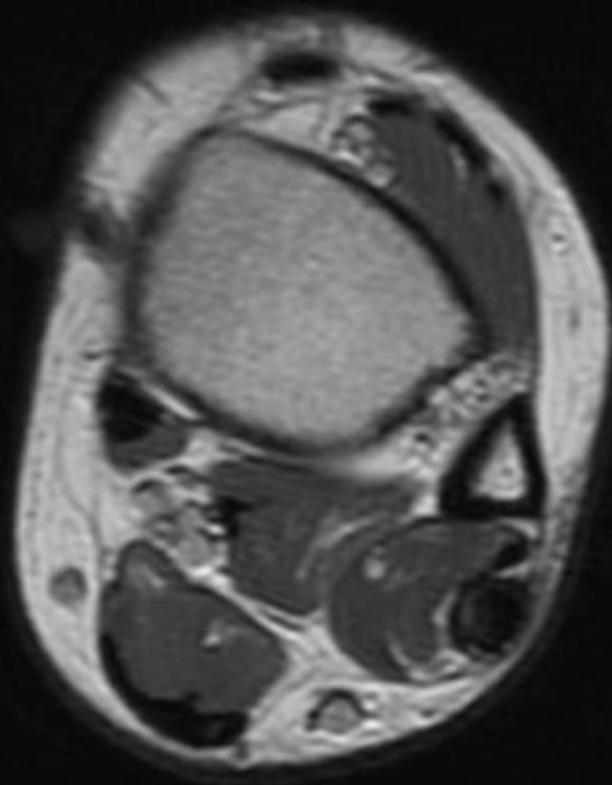
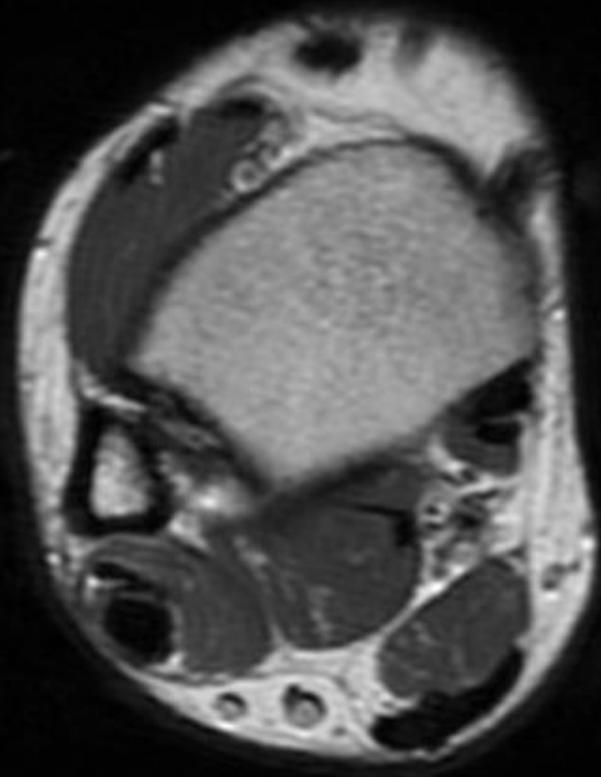
Right Ankle

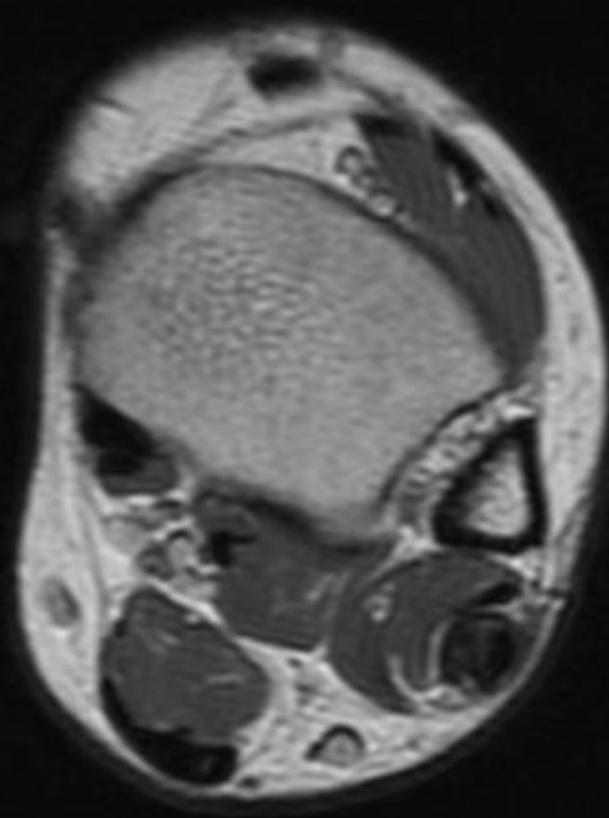
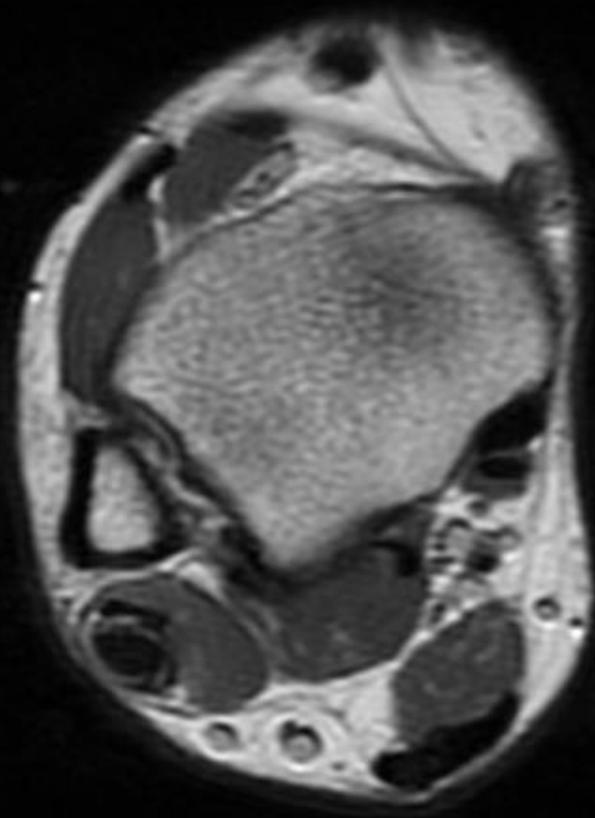


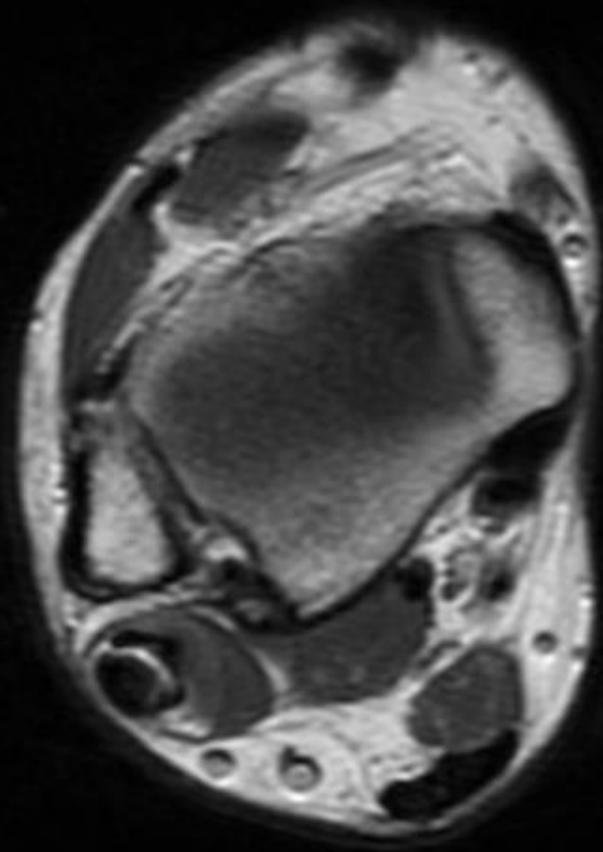
Left Ankle

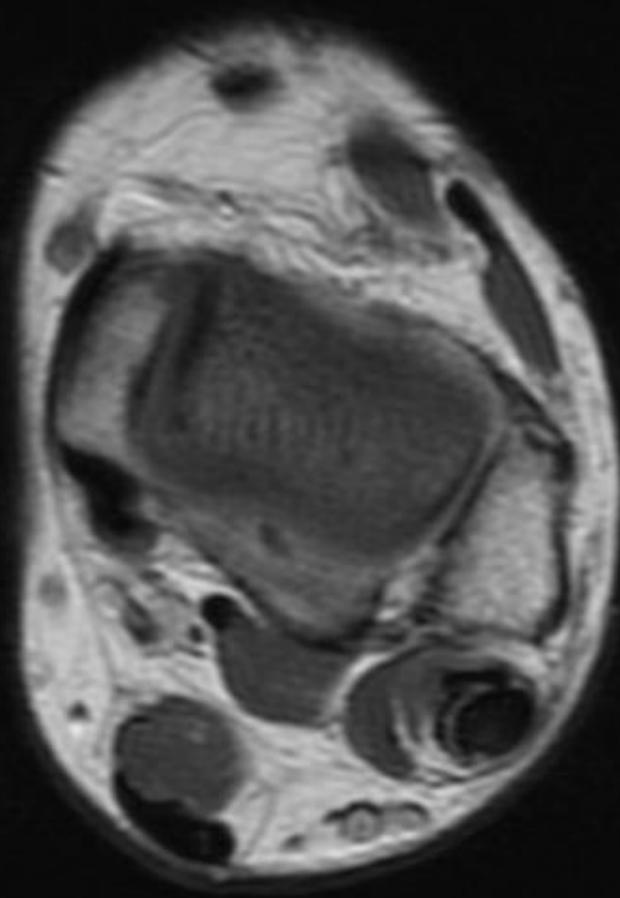
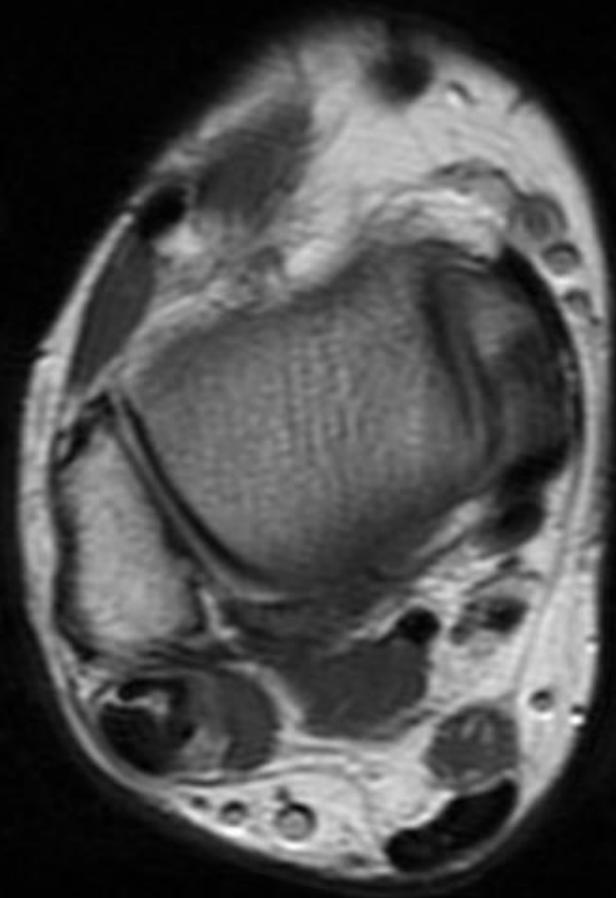


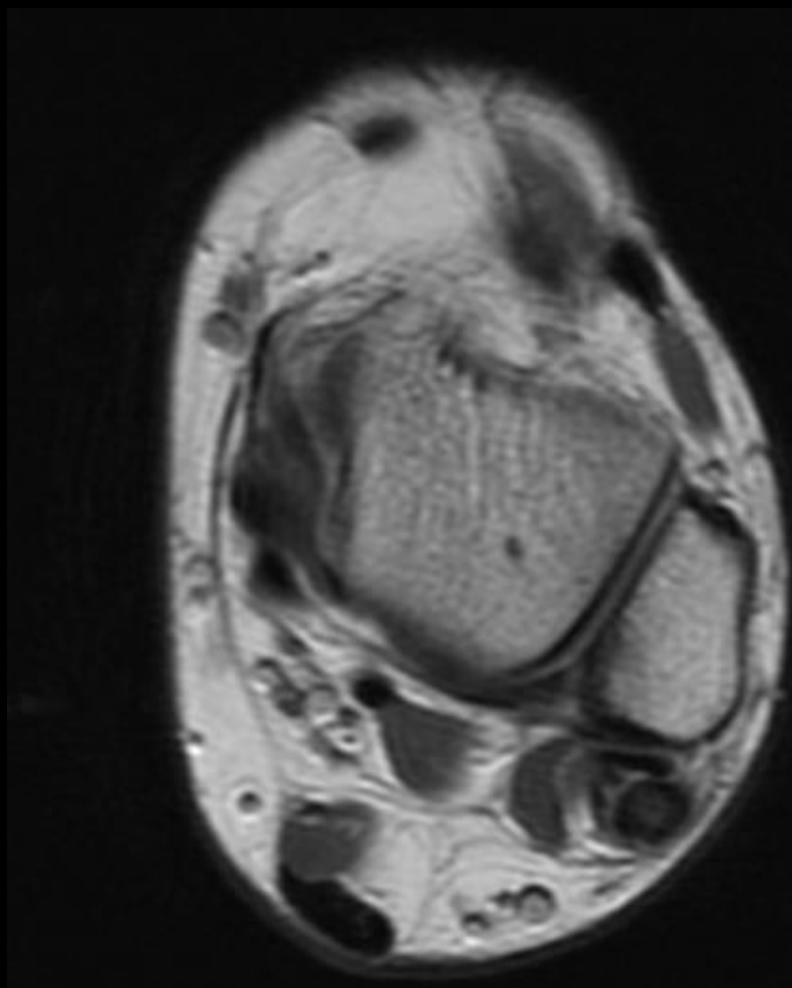
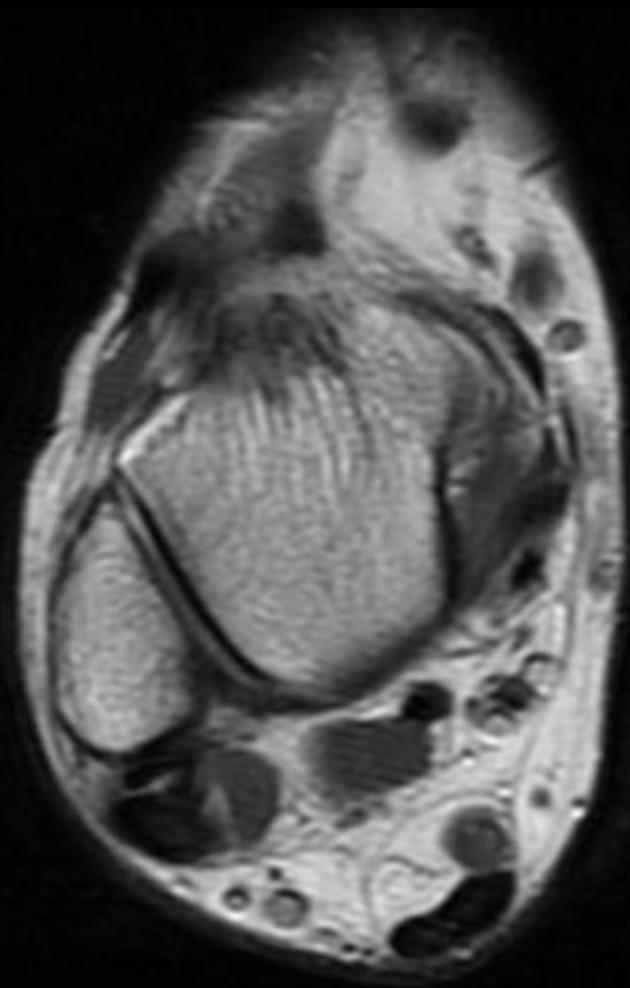


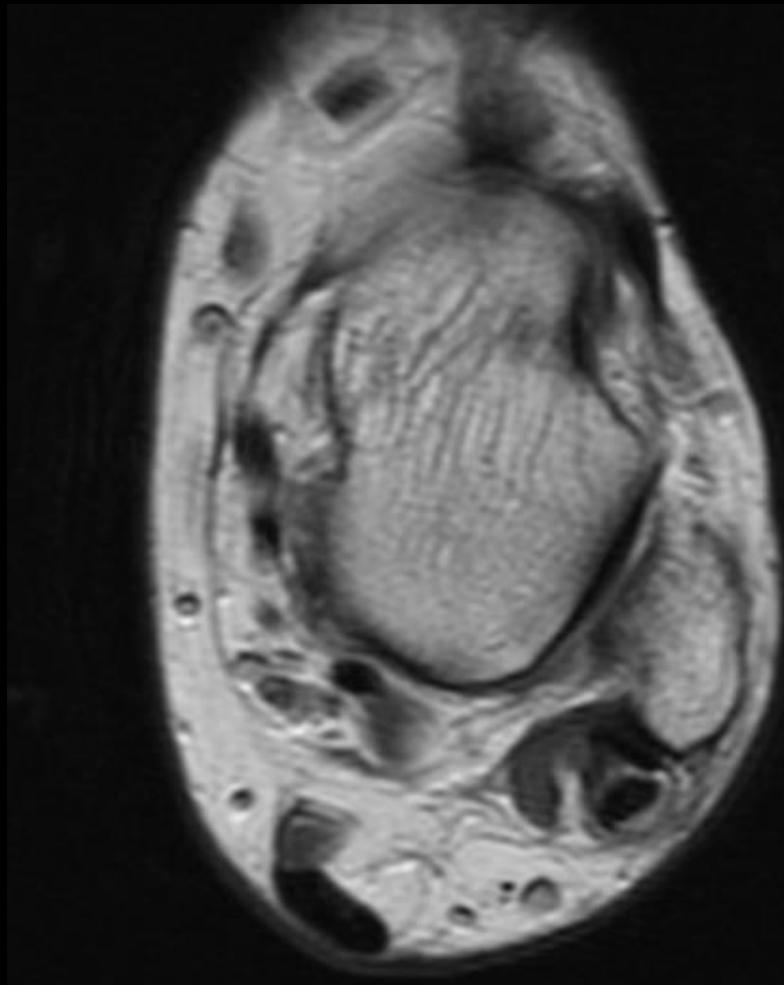
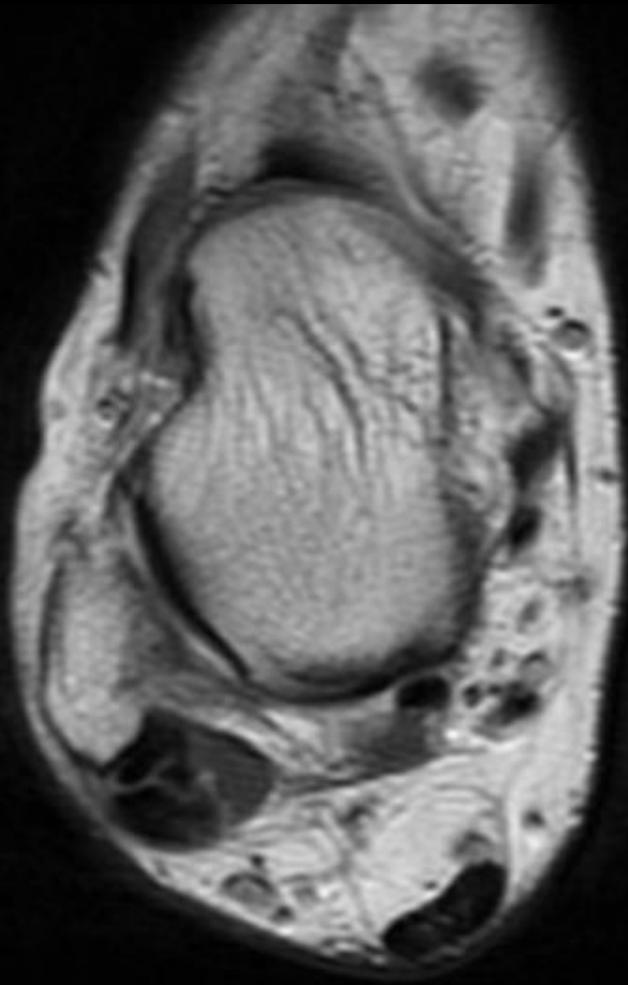


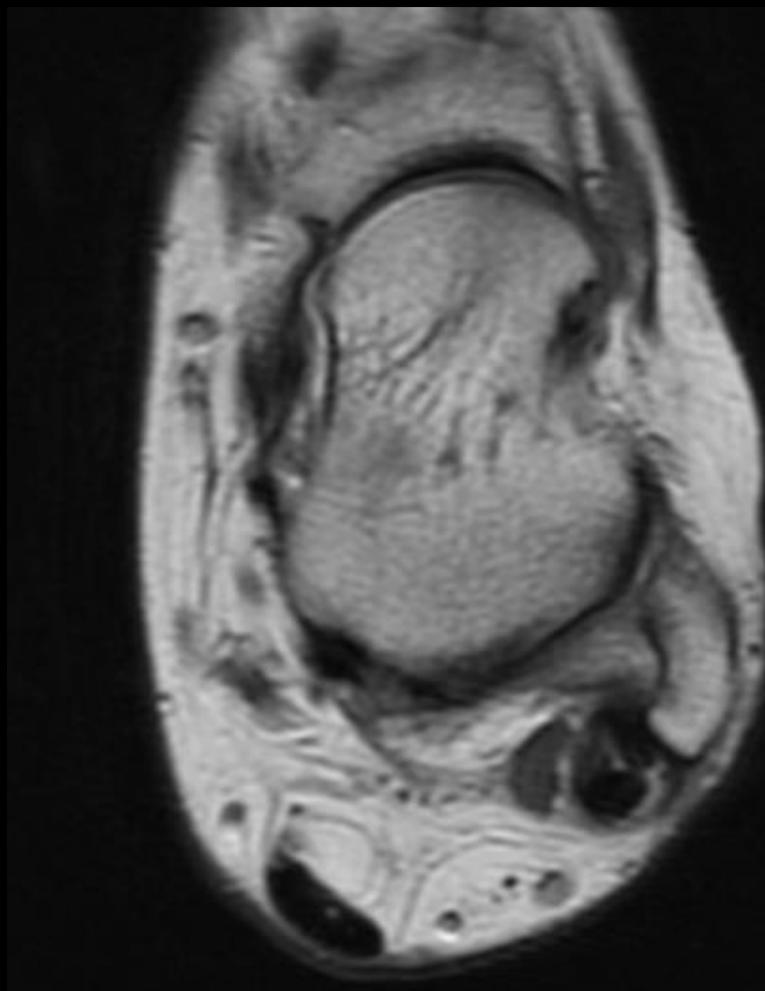
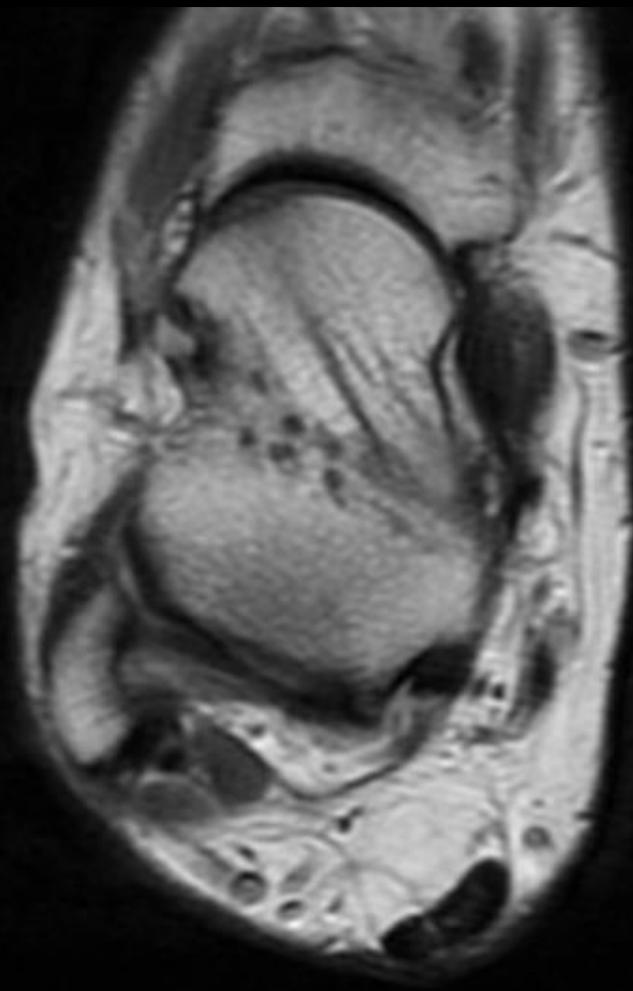


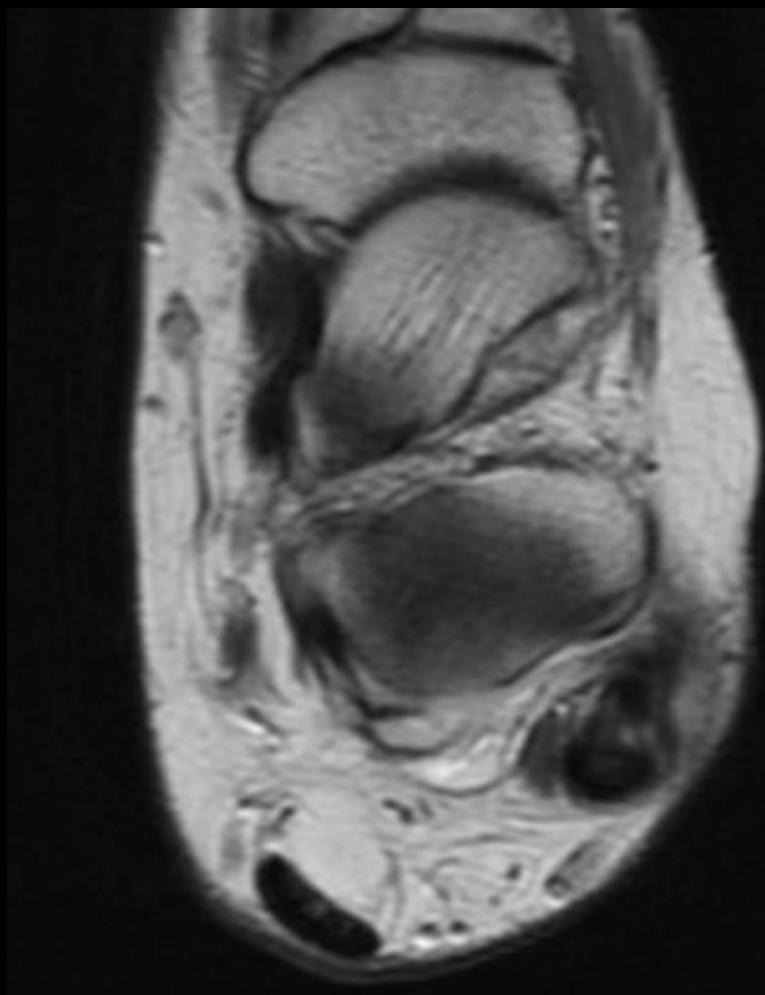
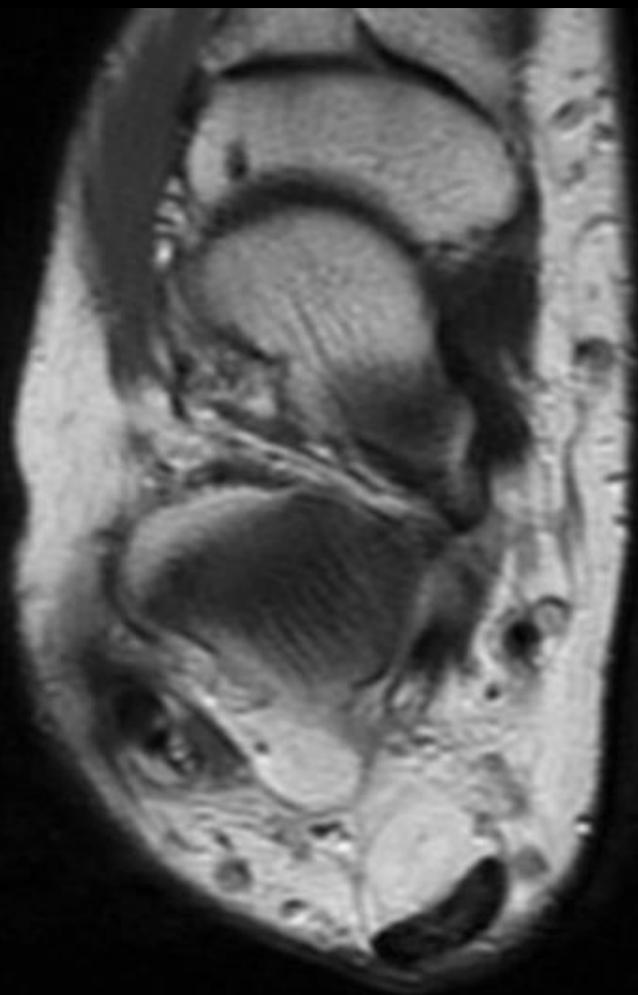


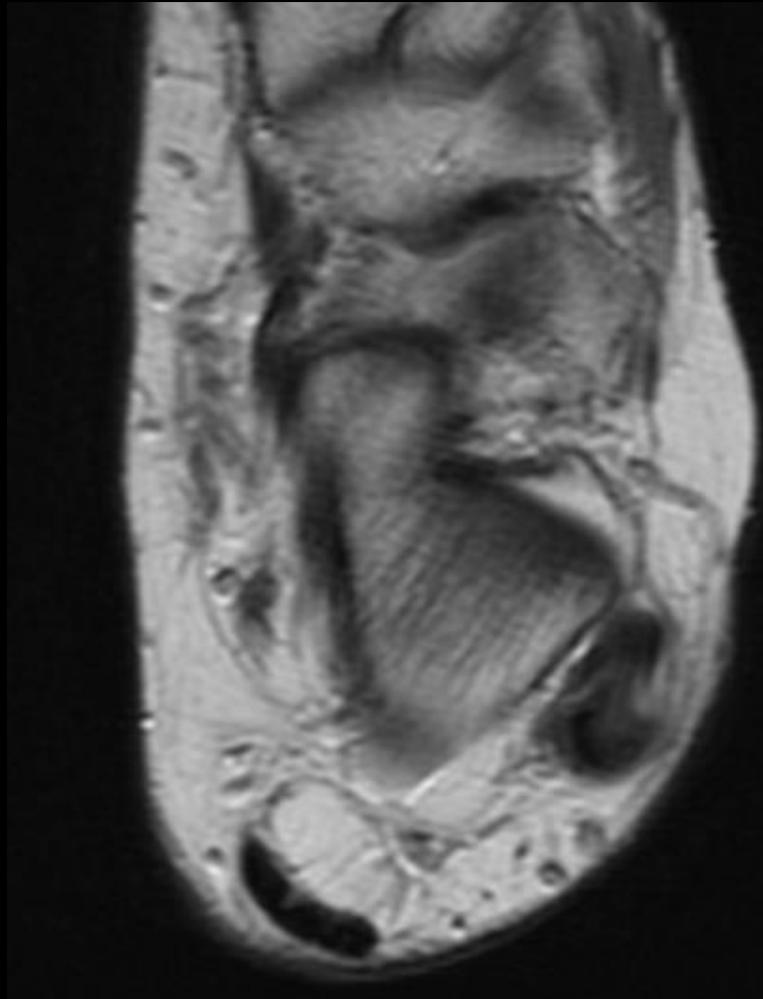
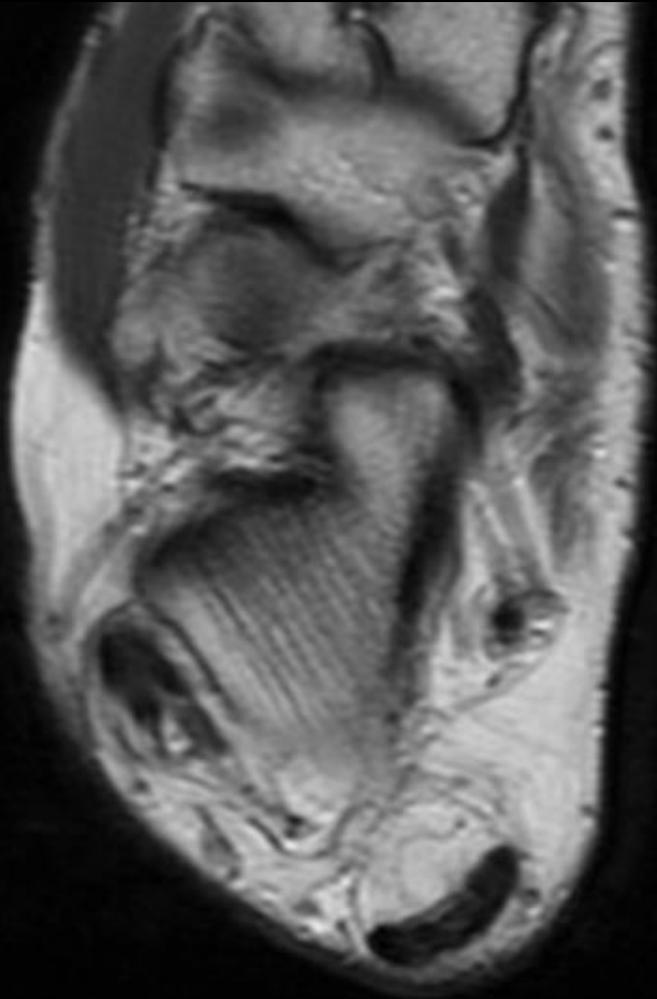


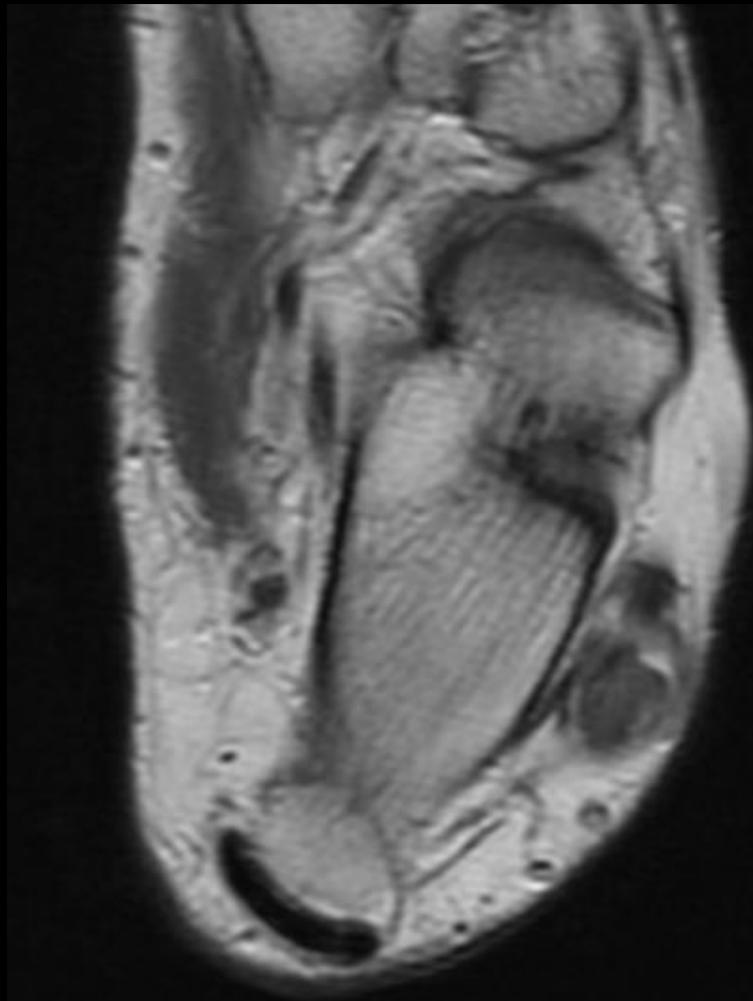
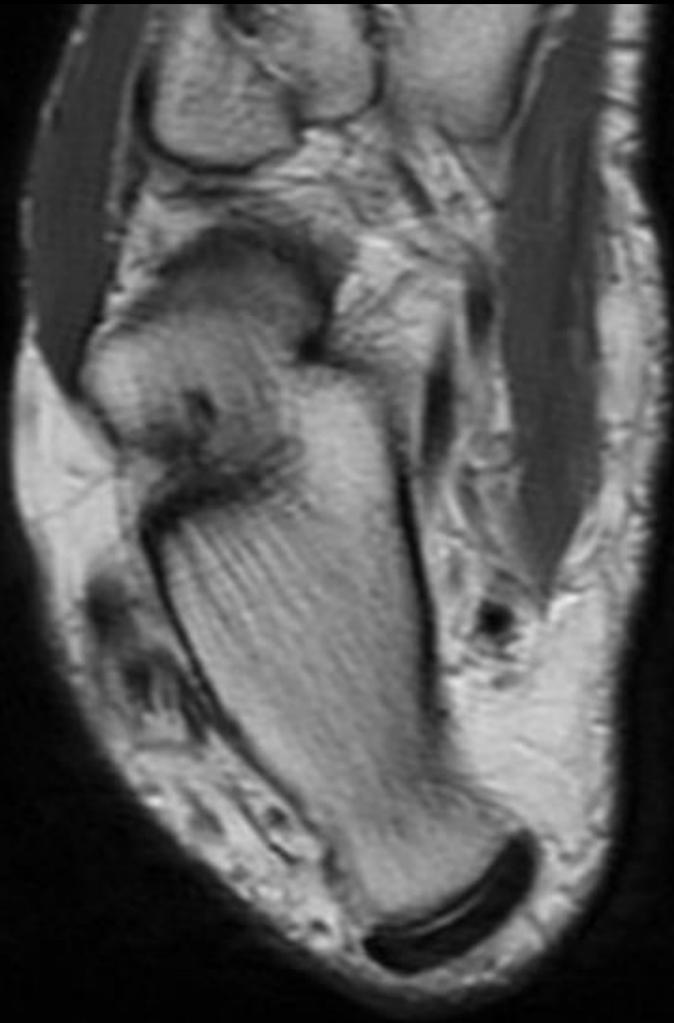


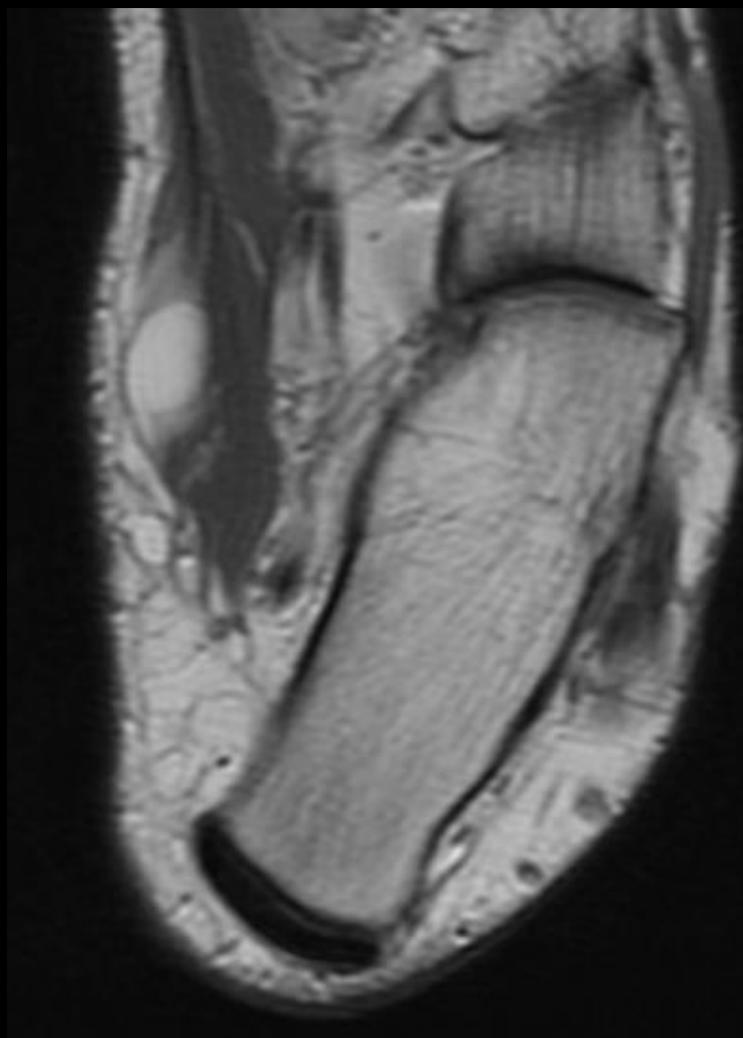
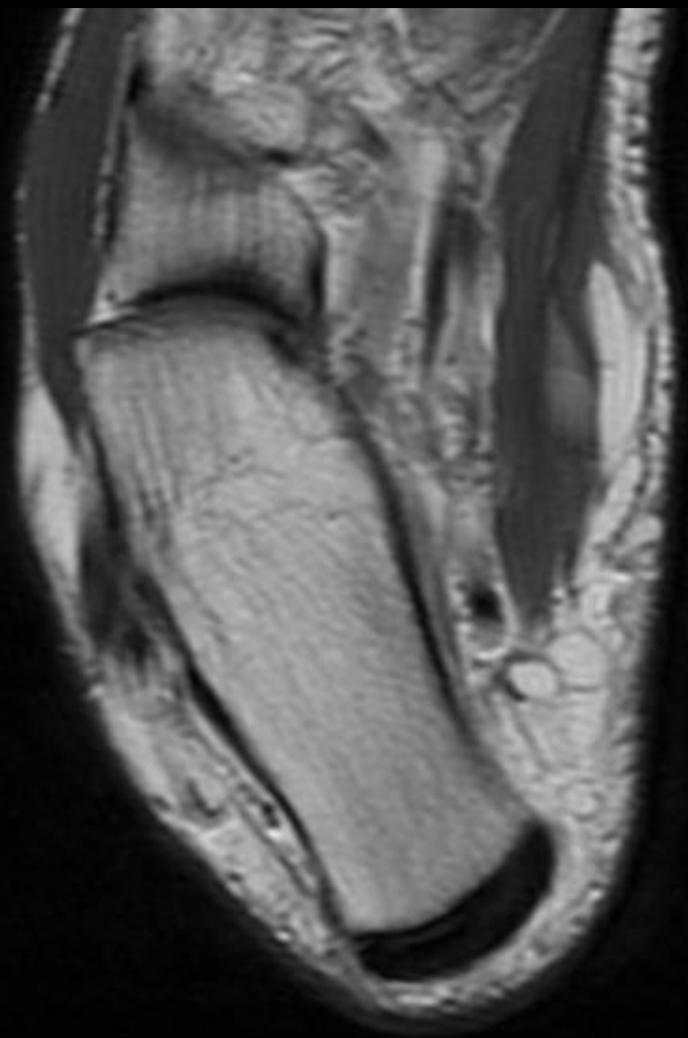


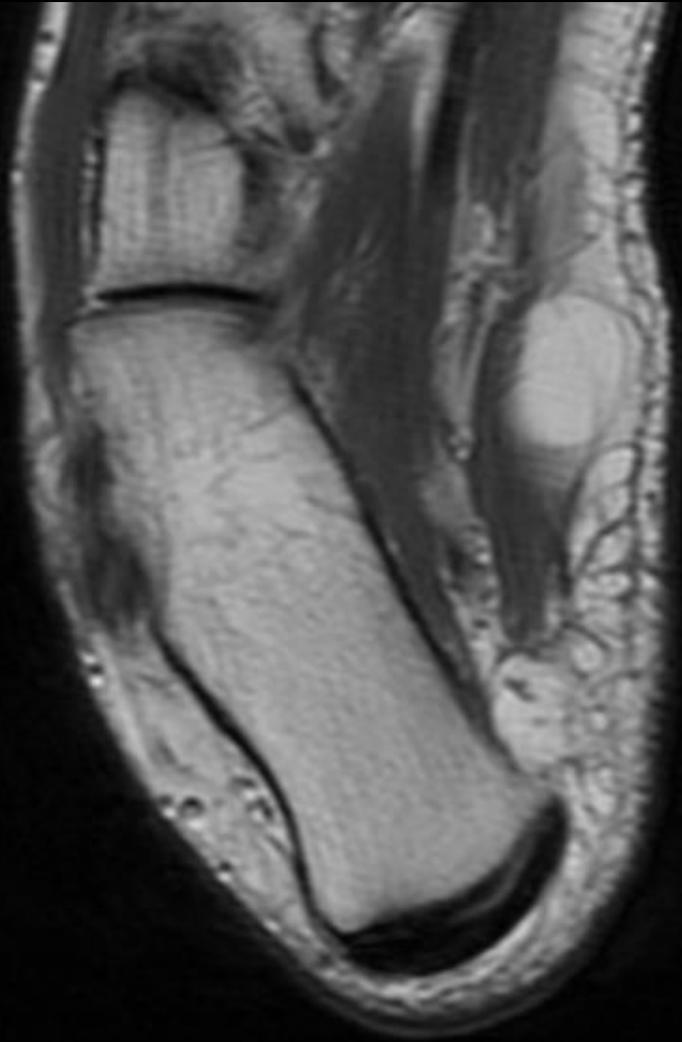


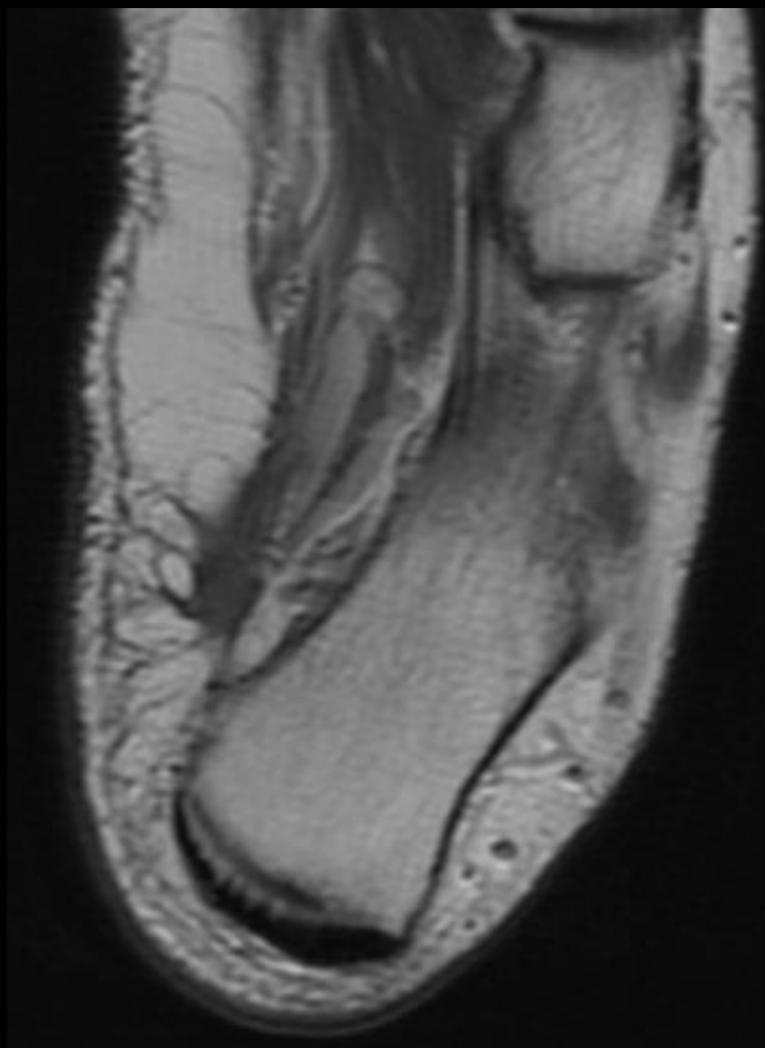
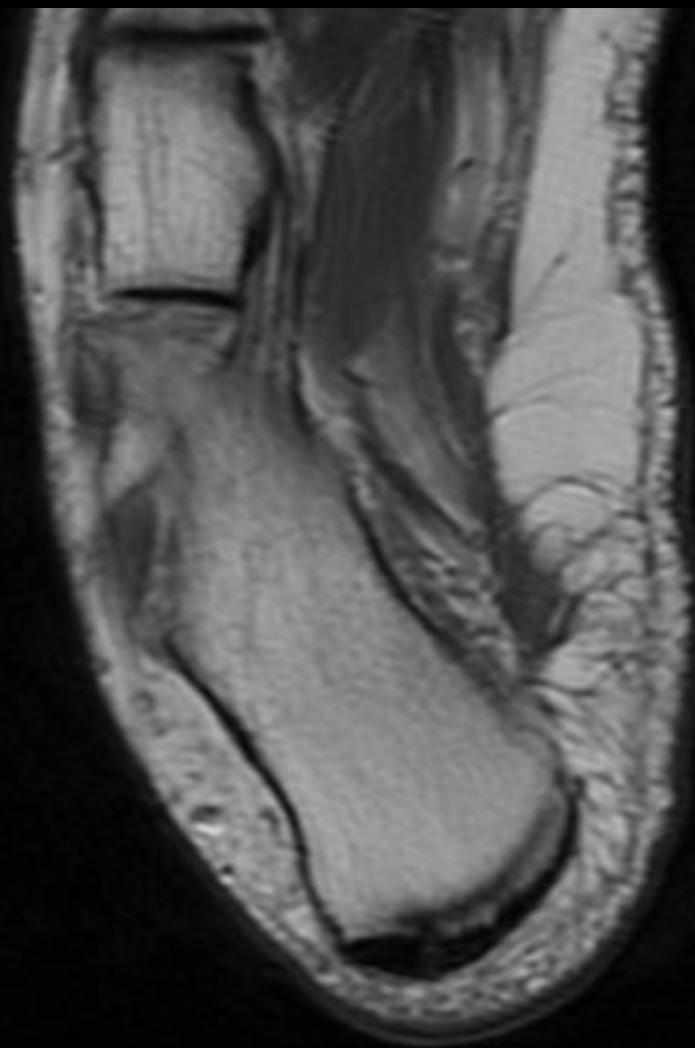


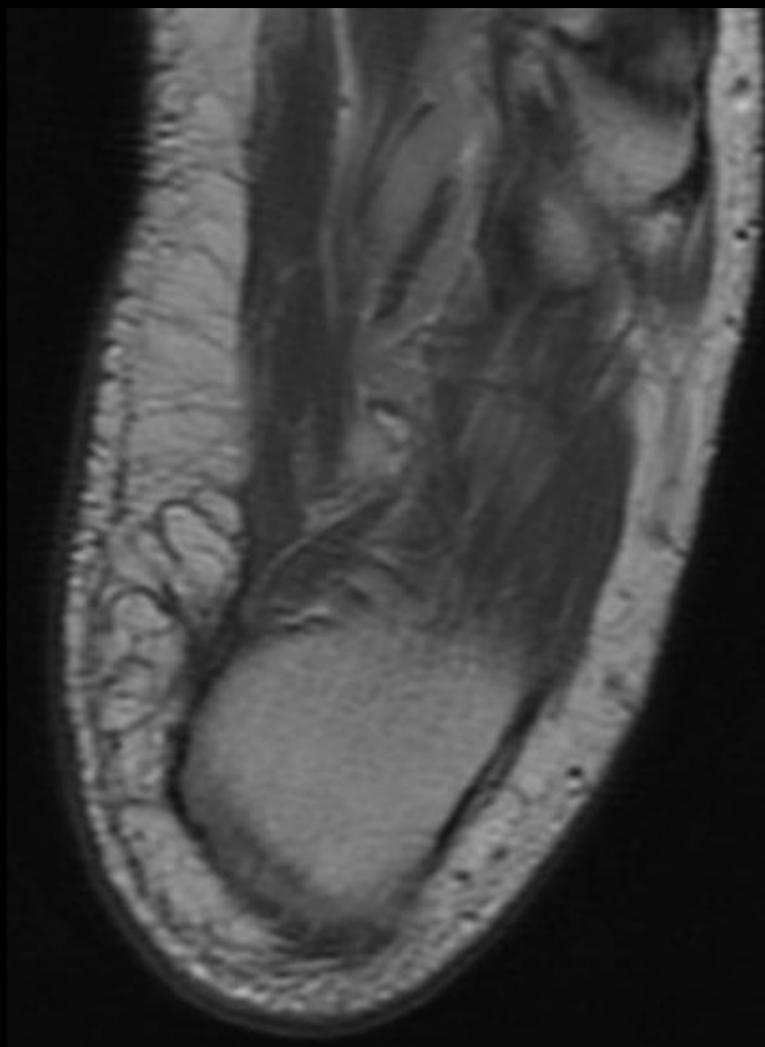
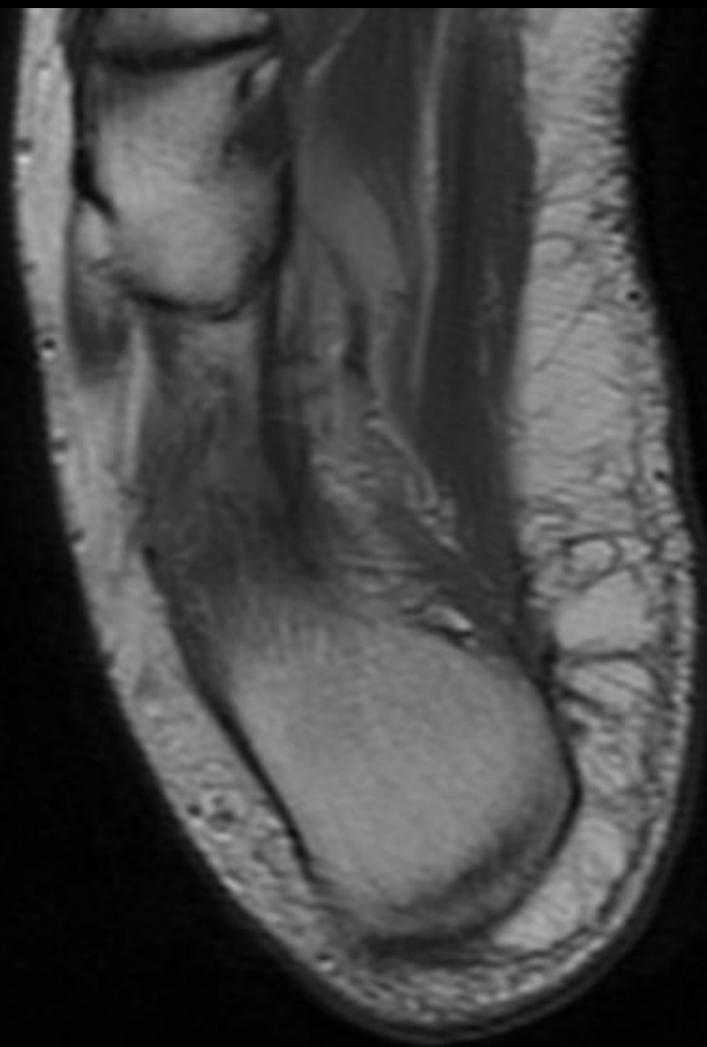


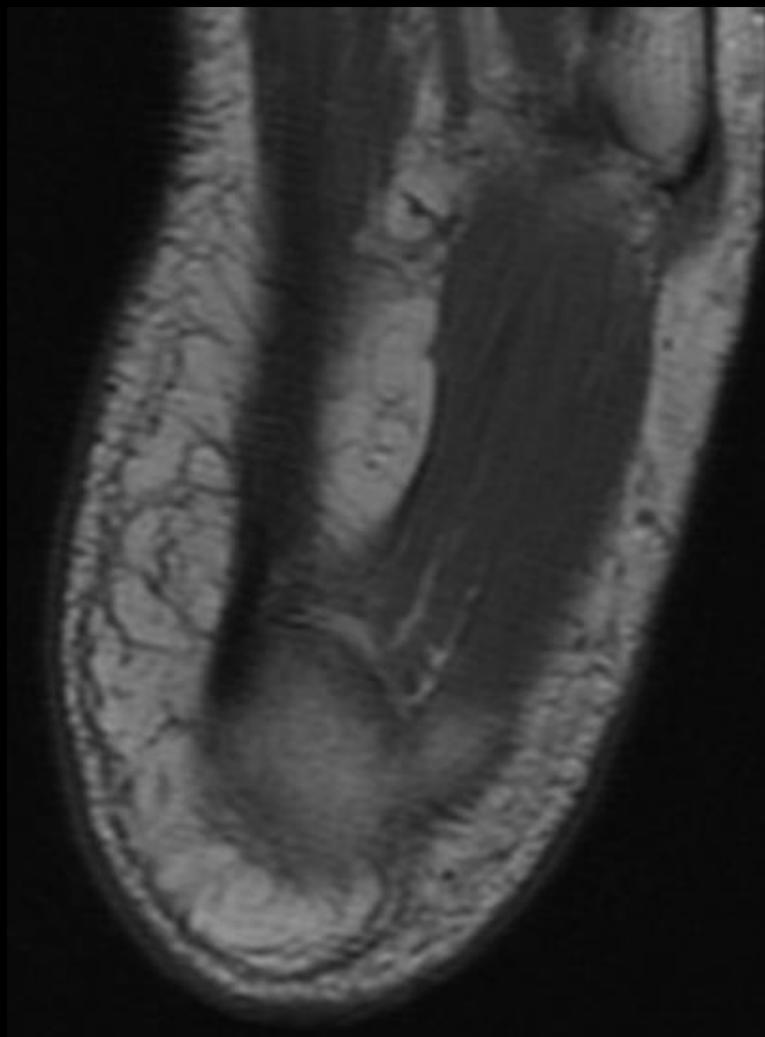
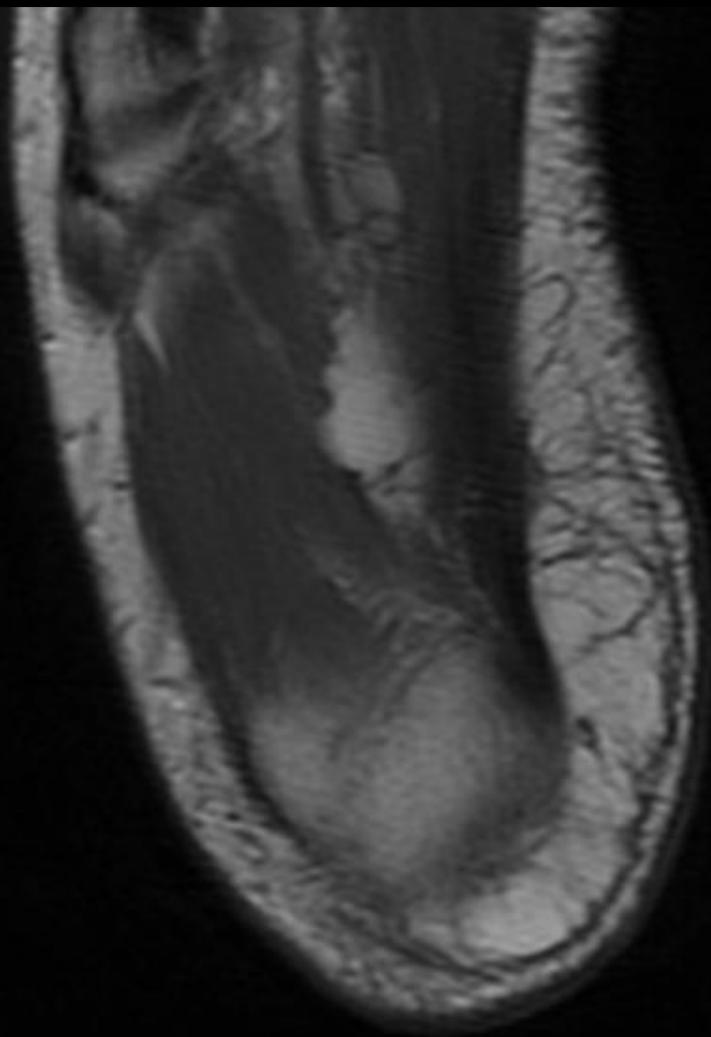


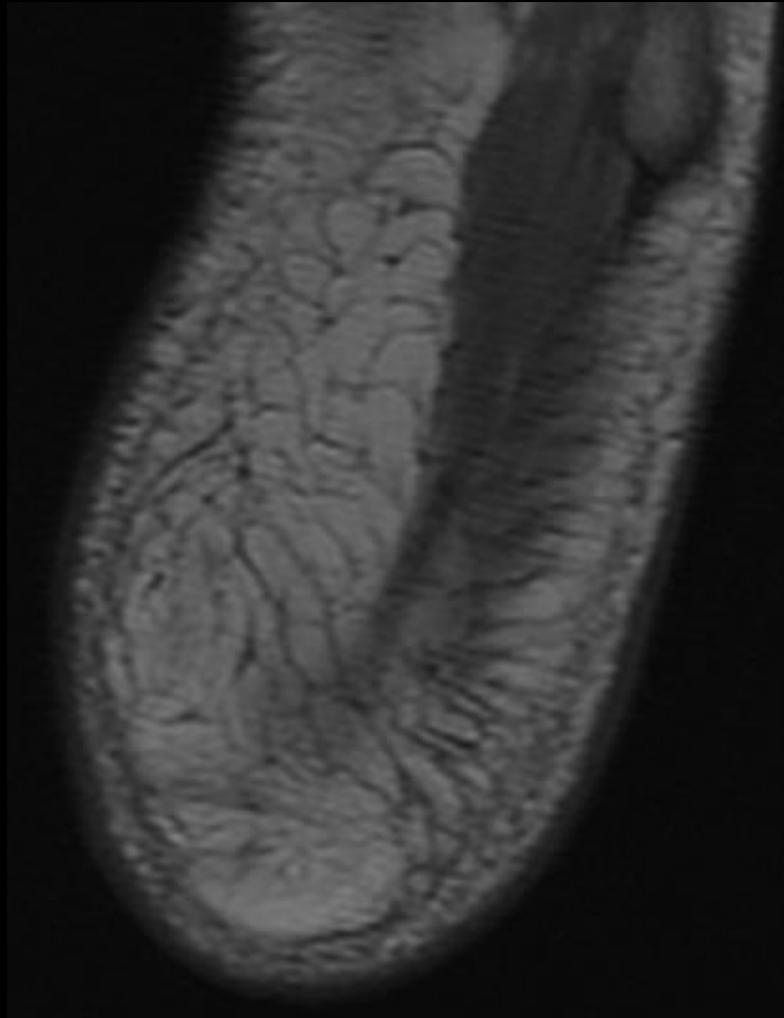
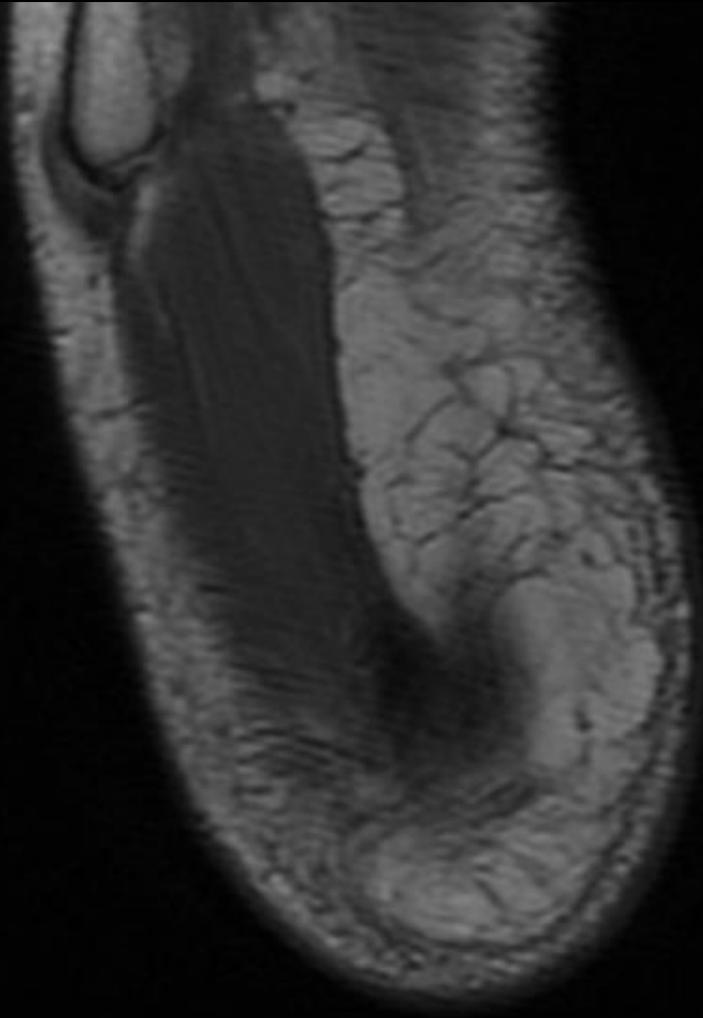


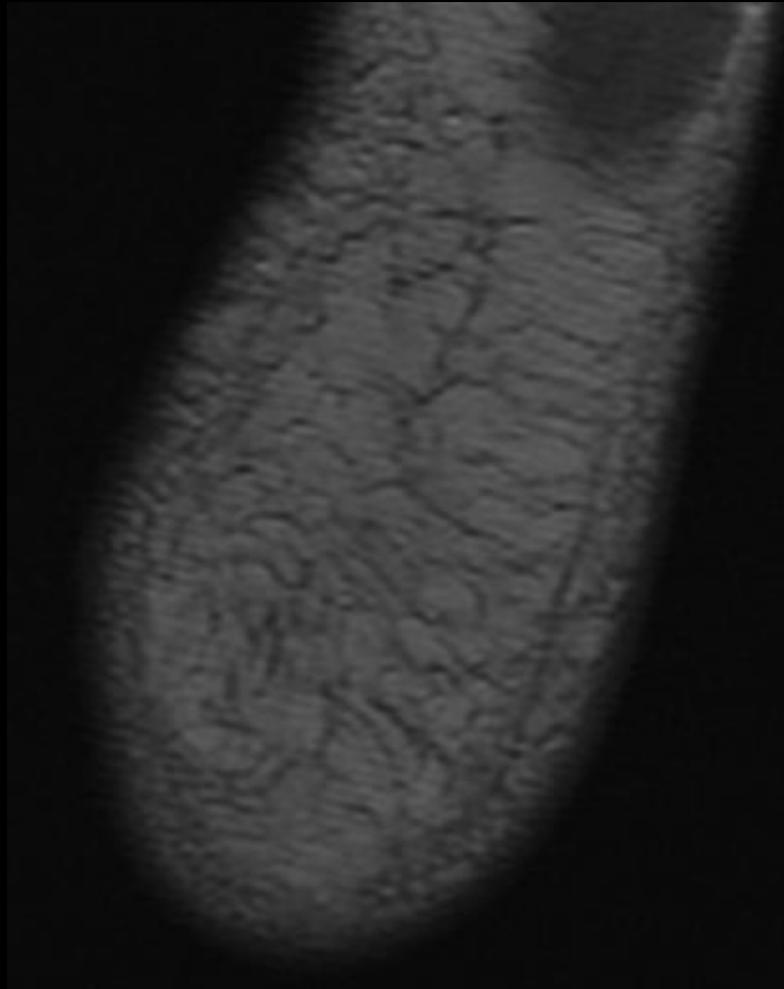
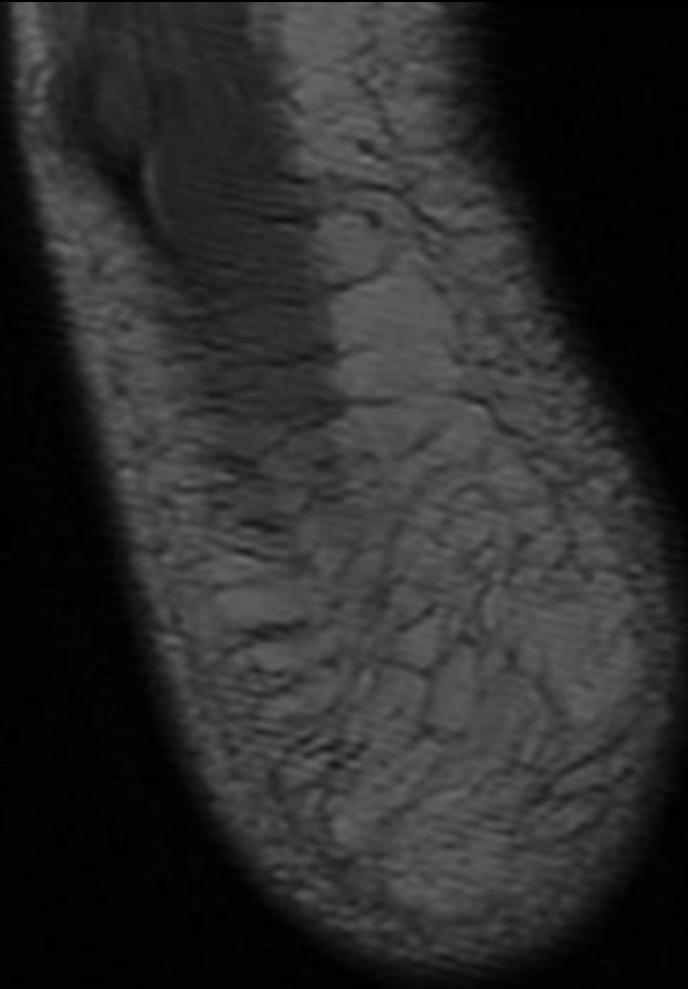


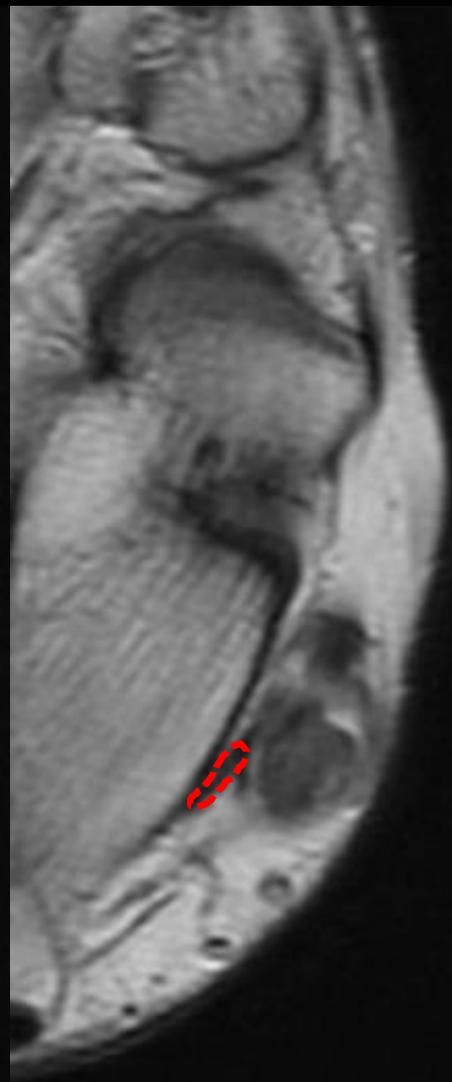
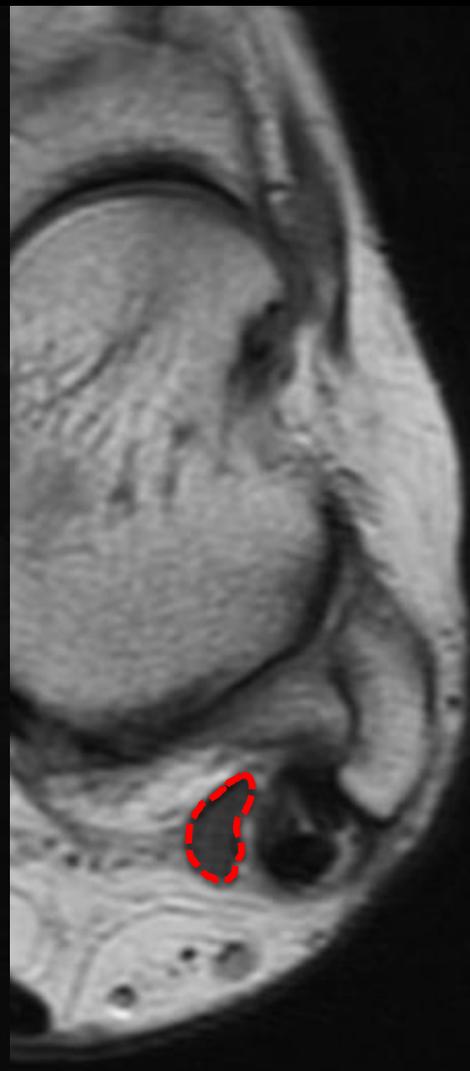
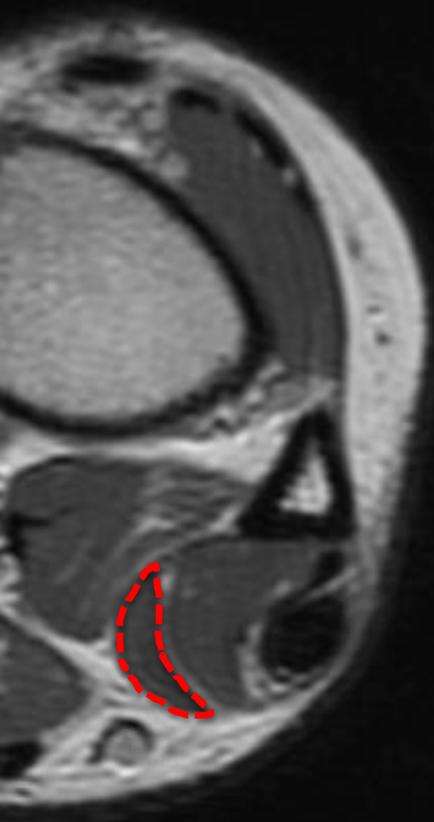










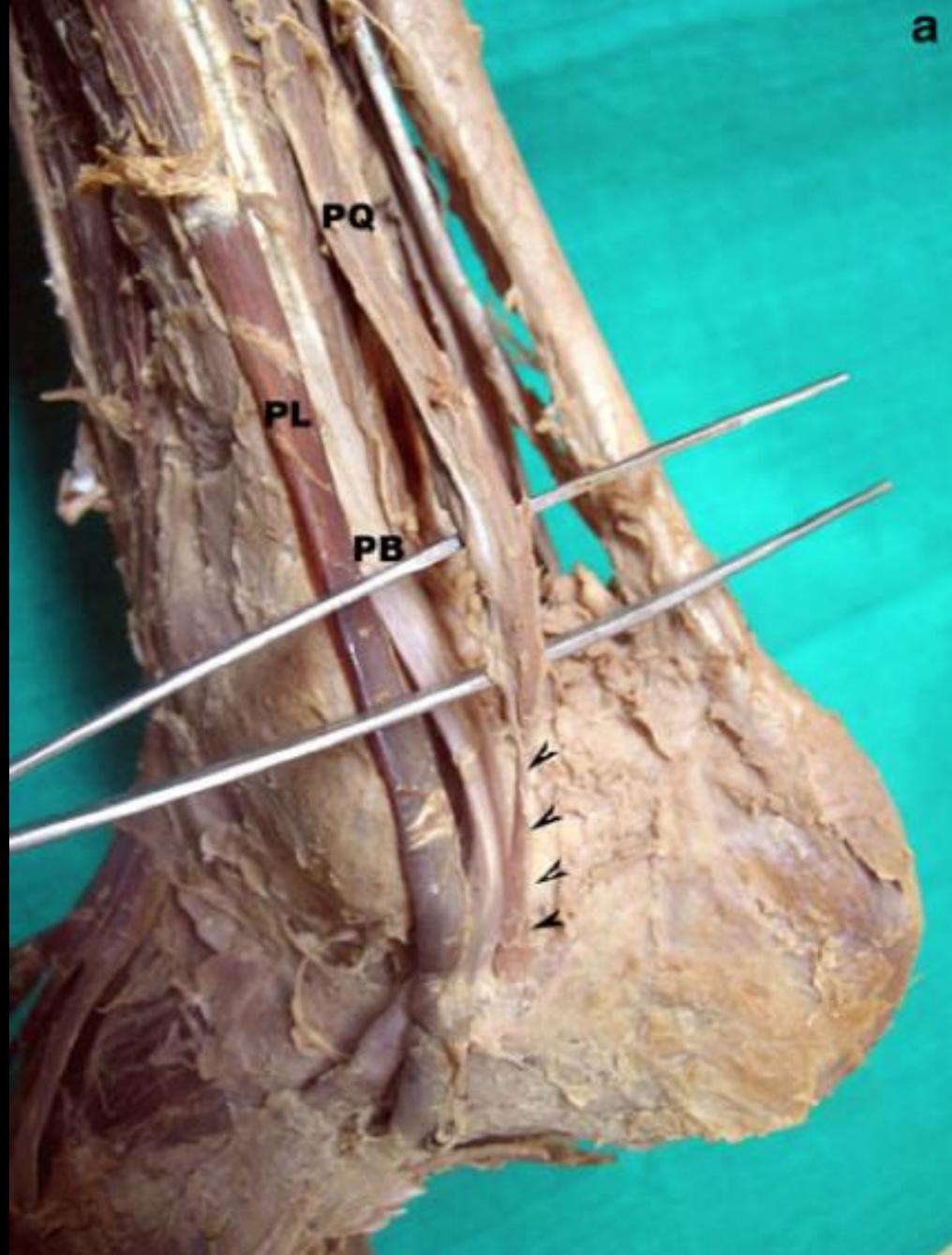


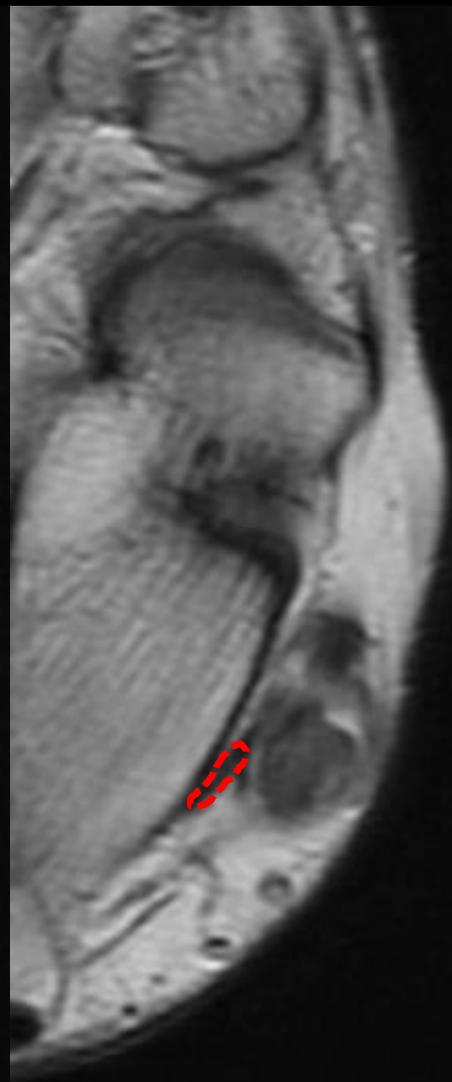
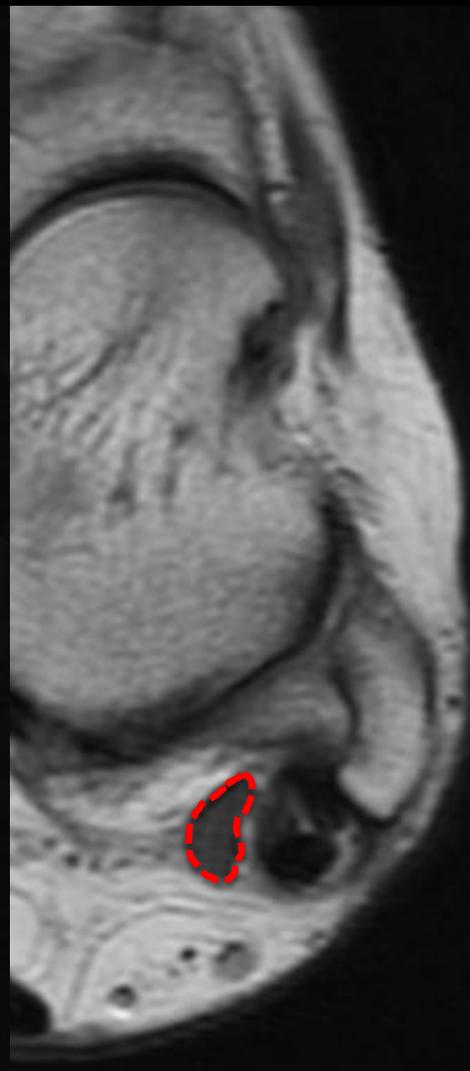
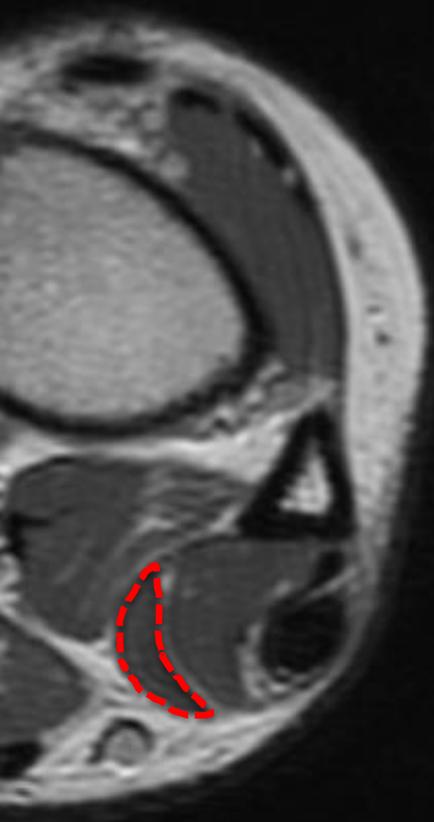
# Bilateral Peroneus Quartus Muscles

Complete tears of both Peroneus longus tendons

Split tears of both Peroneus brevis tendons







# Peroneus Quartus

Anatomy

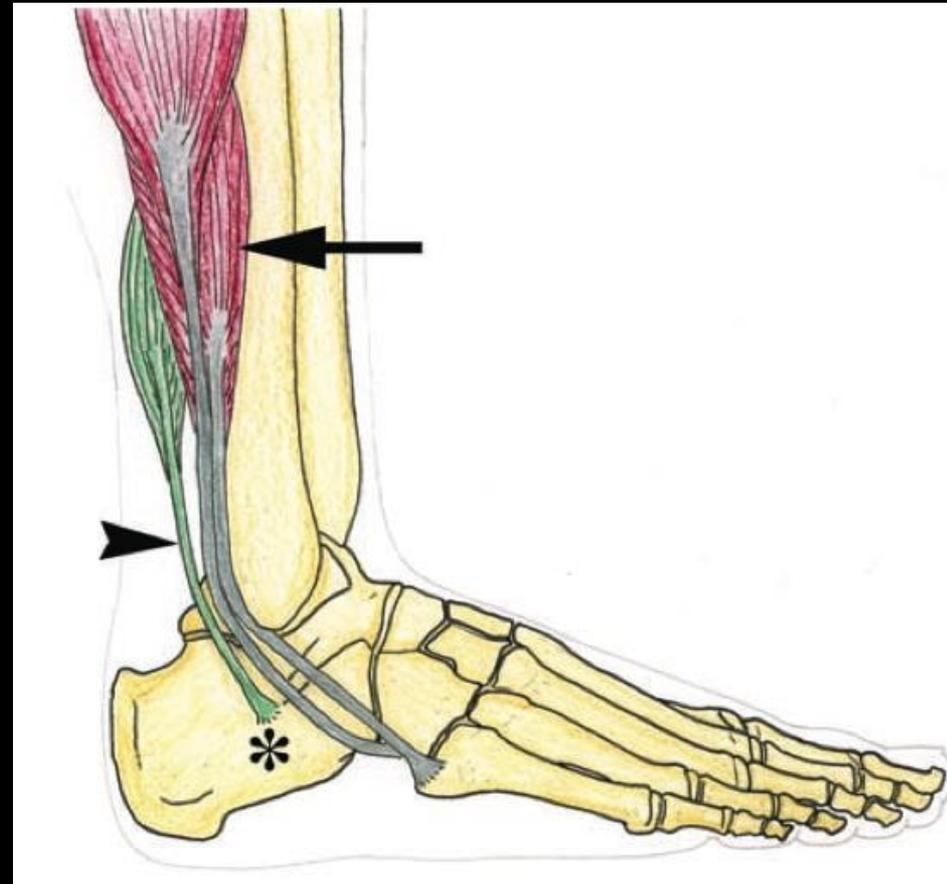
Prevalence / Function

Related Disorders

Surgical Applications

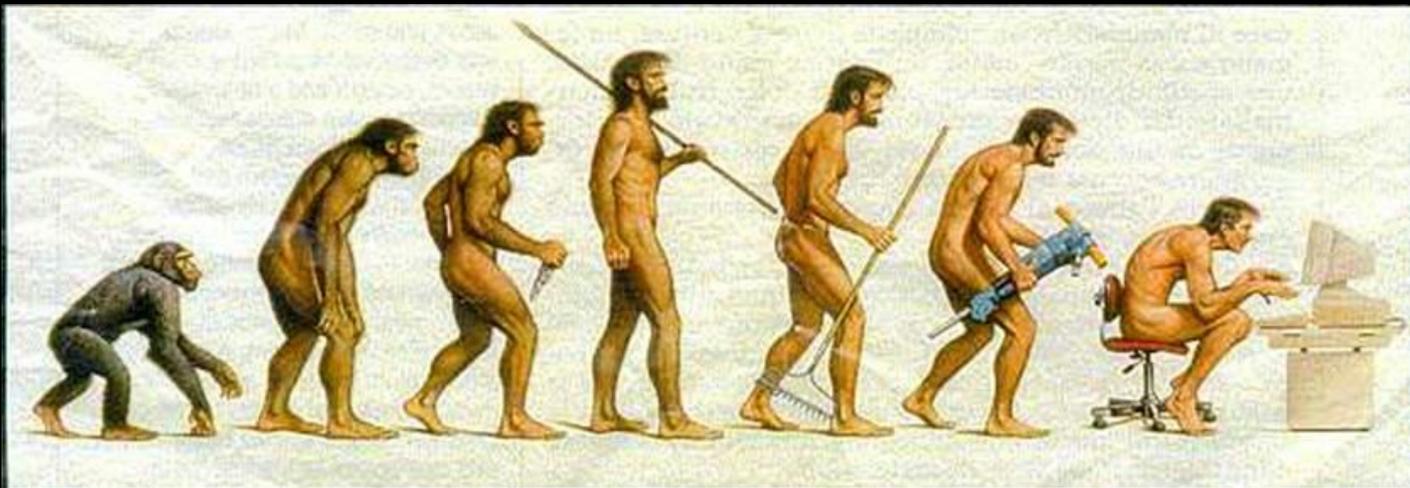
# Anatomy

- Origin
  - Peroneus brevis muscle
- Posteromedial course
- Insertion sites
  - **Retrotrochlear eminence**
  - Peroneal tubercle (?)
  - Cuboid
  - Peroneus longus tendon
  - Phalanx / Metatarsal 5<sup>th</sup> toe



# Prevalence / Function

- First described by Otto (1816)
- 6,6% to 23% of the ankles
- Frequently bilateral
- Most common in males (2,5:1)
- Unique to humans and associated with **bipedal gait**
- Lifts lateral edge of the foot and stabilizes hindfoot pronation



# Related Disorders

- Frequently asymptomatic
- Symptoms can arise spontaneously or following acute trauma
- May lead to crowding at the retromalleolar groove and stenosis of the lateral compartment
- Peroneal brevis tendon dislocation and tear **18%** (Sobel 1990)
- Hypertrophy of the bone attachments may cause tenosynovitis
- Lateral ankle pain and instability