



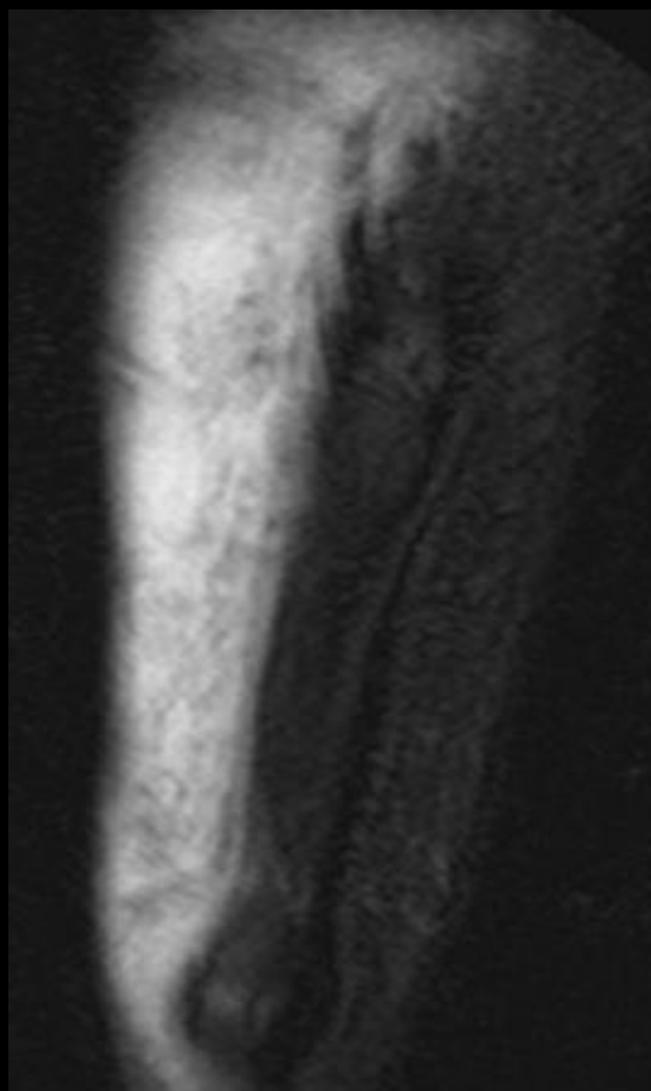
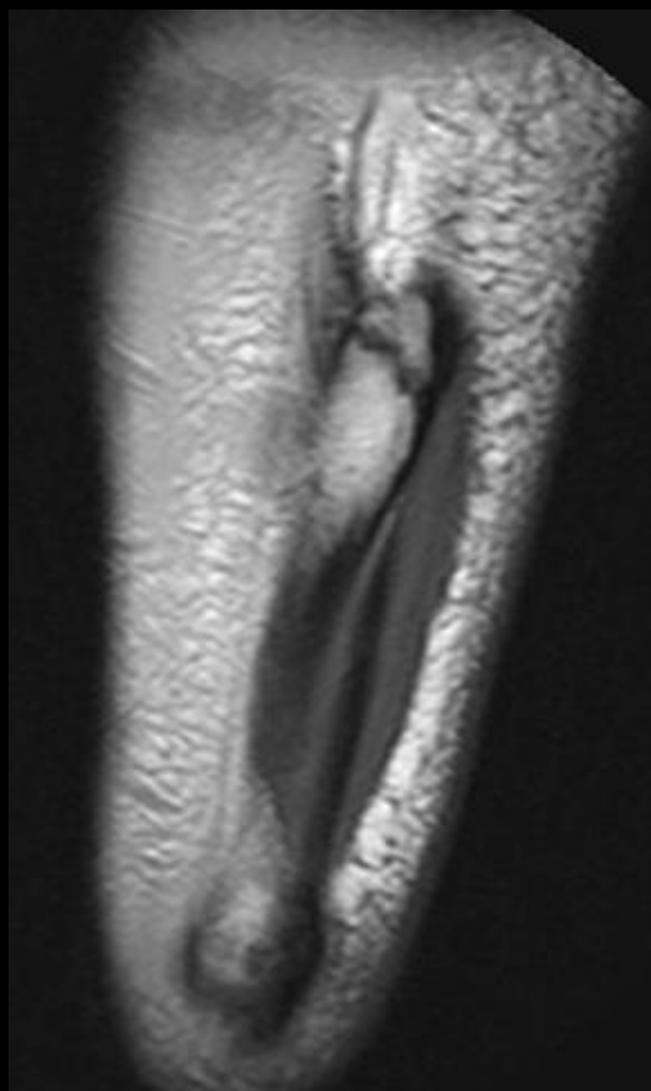
Interesting Case Conference

Yatin Chadha

August 21, 2015

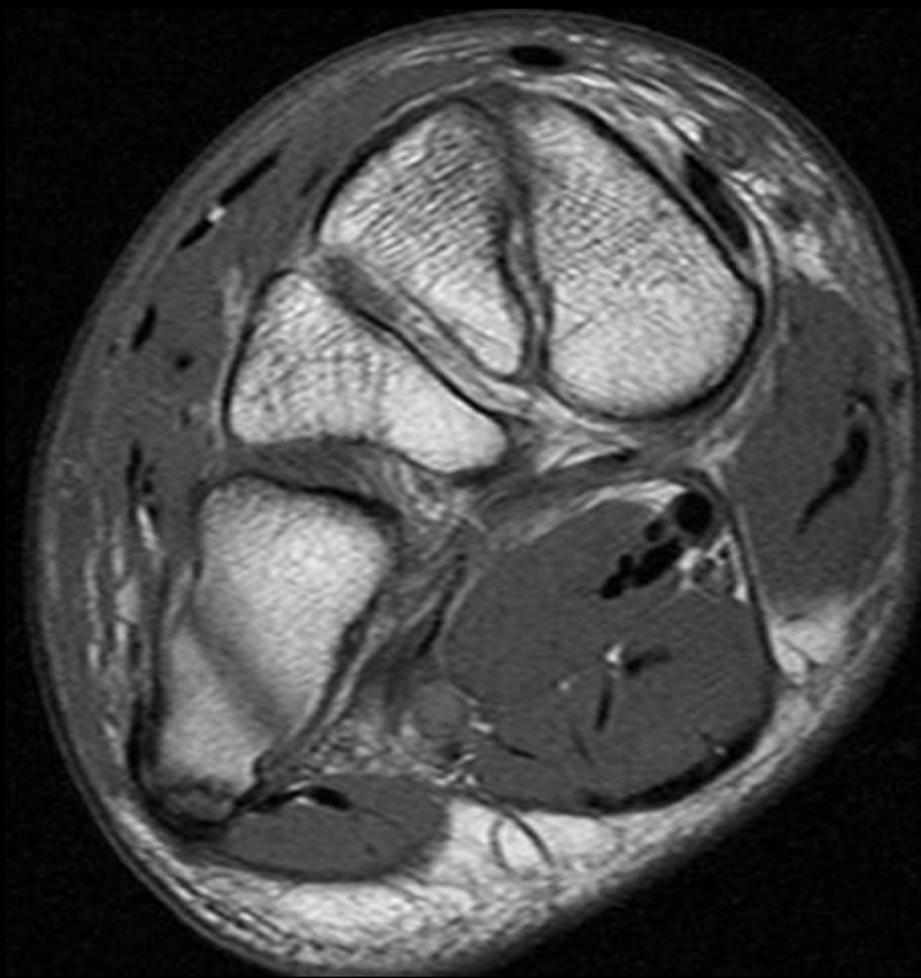
- 22 ♂, inversion injury



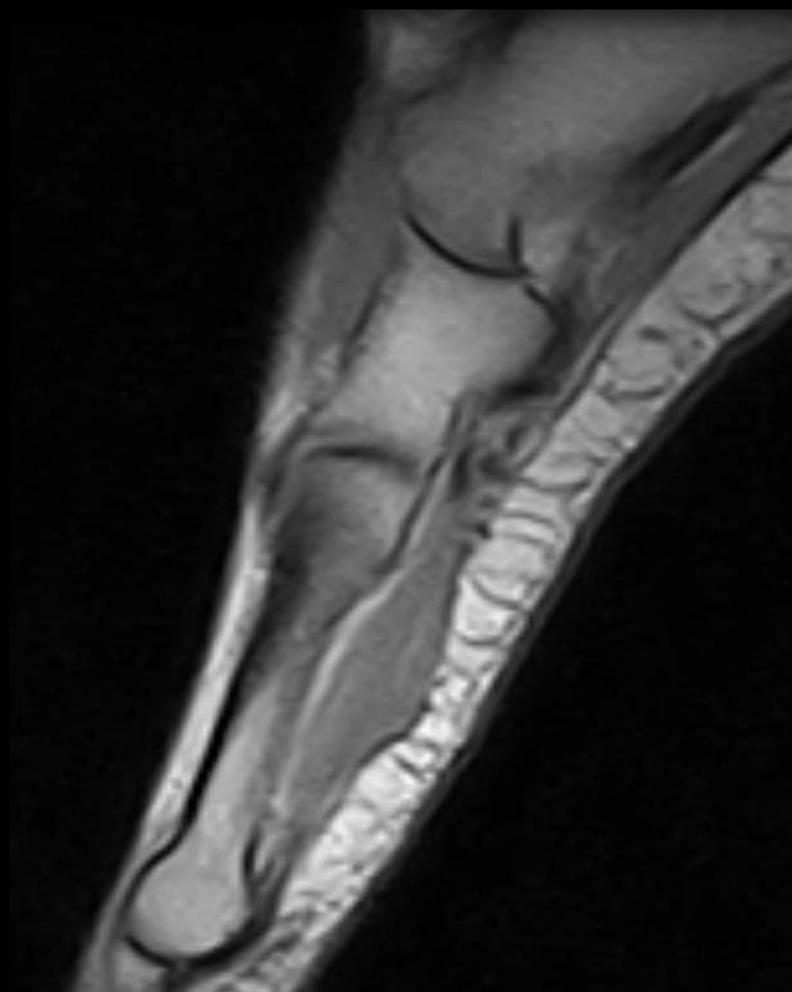


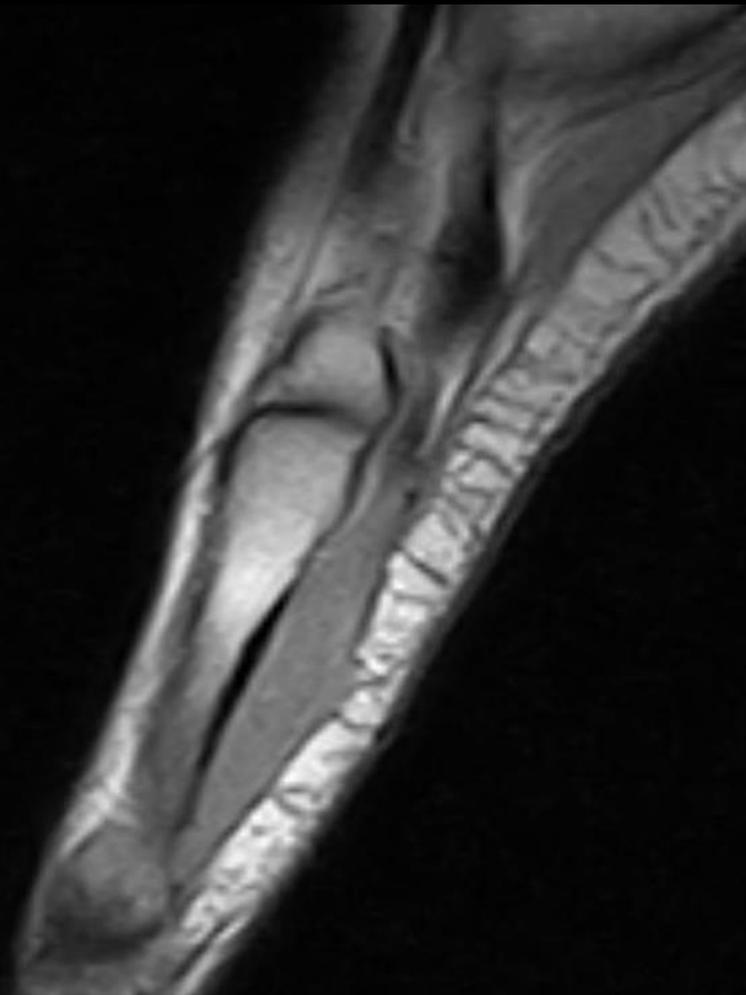


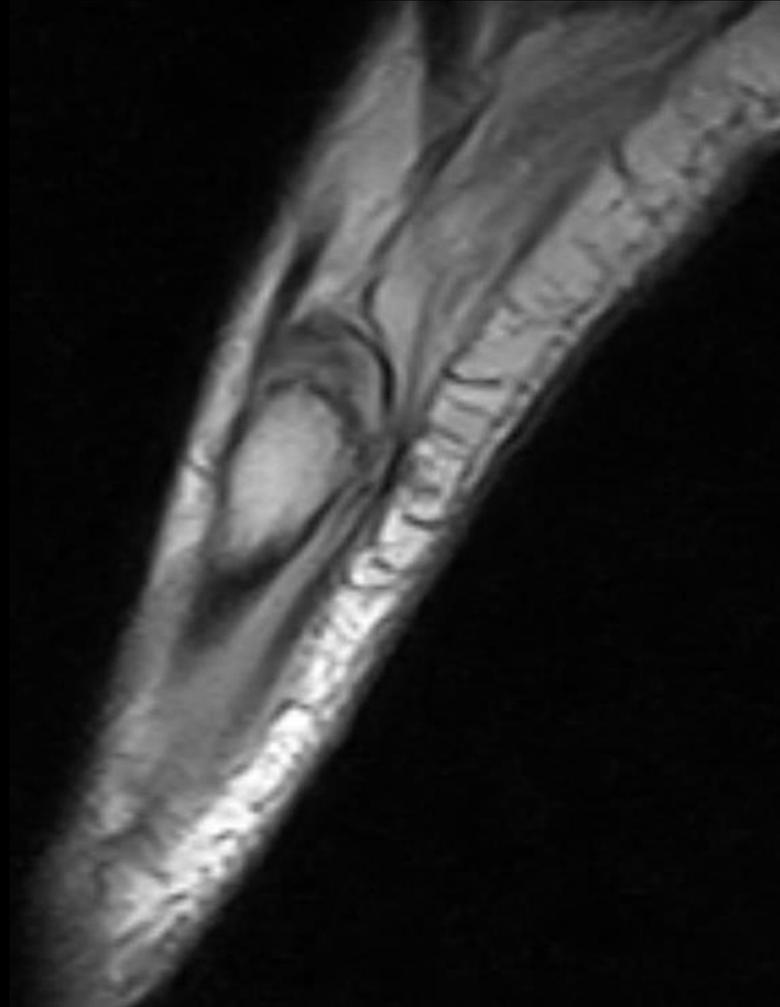


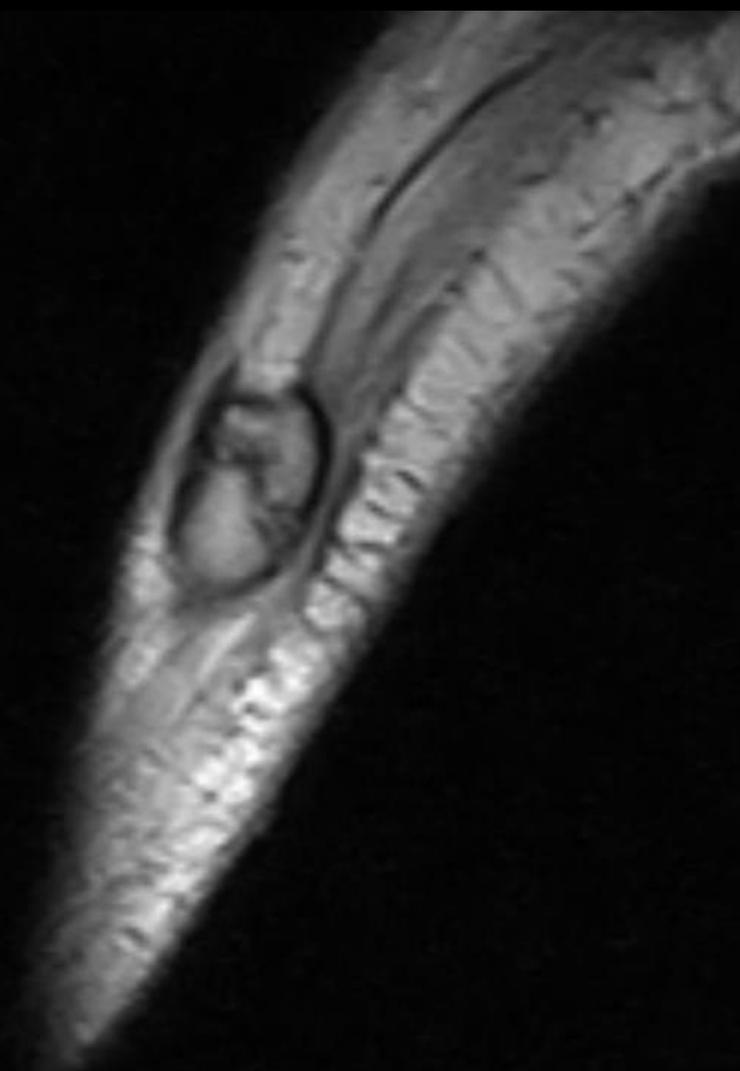


- 55 ♂, avid runner, injury to foot 6 weeks ago





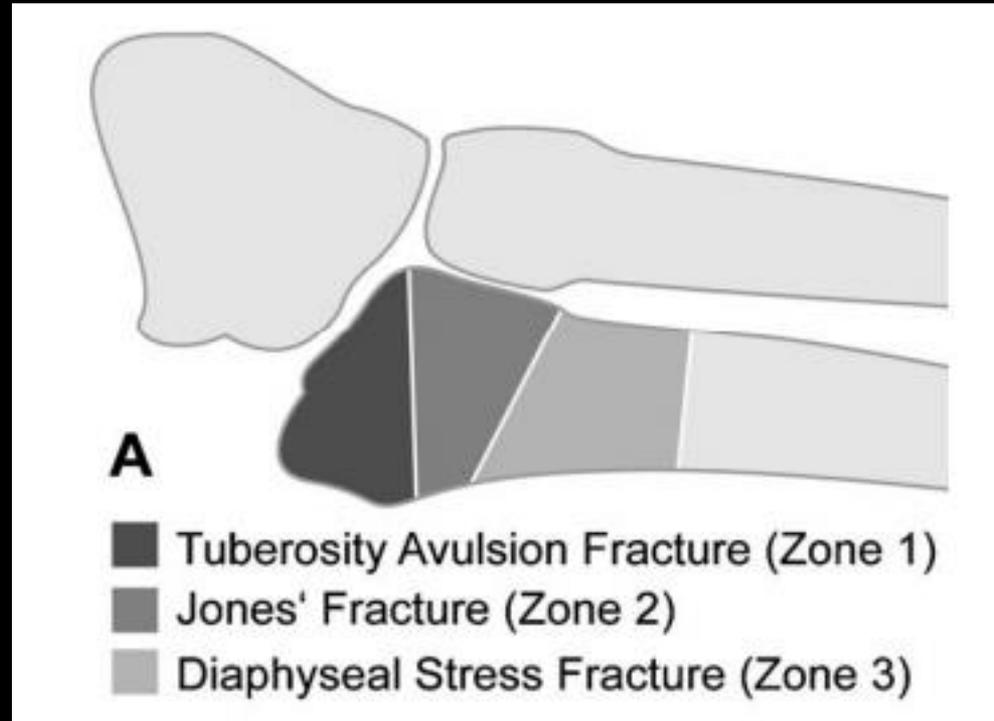




Diagnosis



Fracture classification



Polzer et al. *Injury*. 2012; 43: 1626-1632

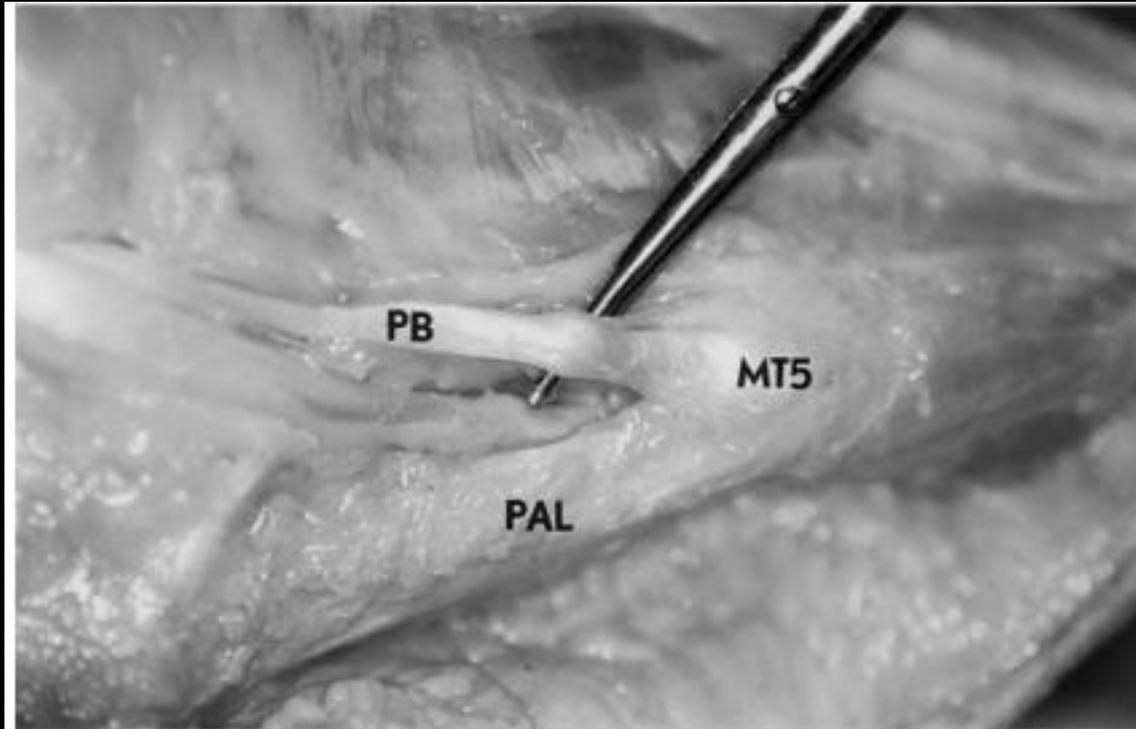
Daphne J. Theodorou, MD
Stavroula J. Theodorou, MD
Yousuke Kakitsubata, MD
Michael J. Botte, MD
Donald Resnick, MD

Index terms:

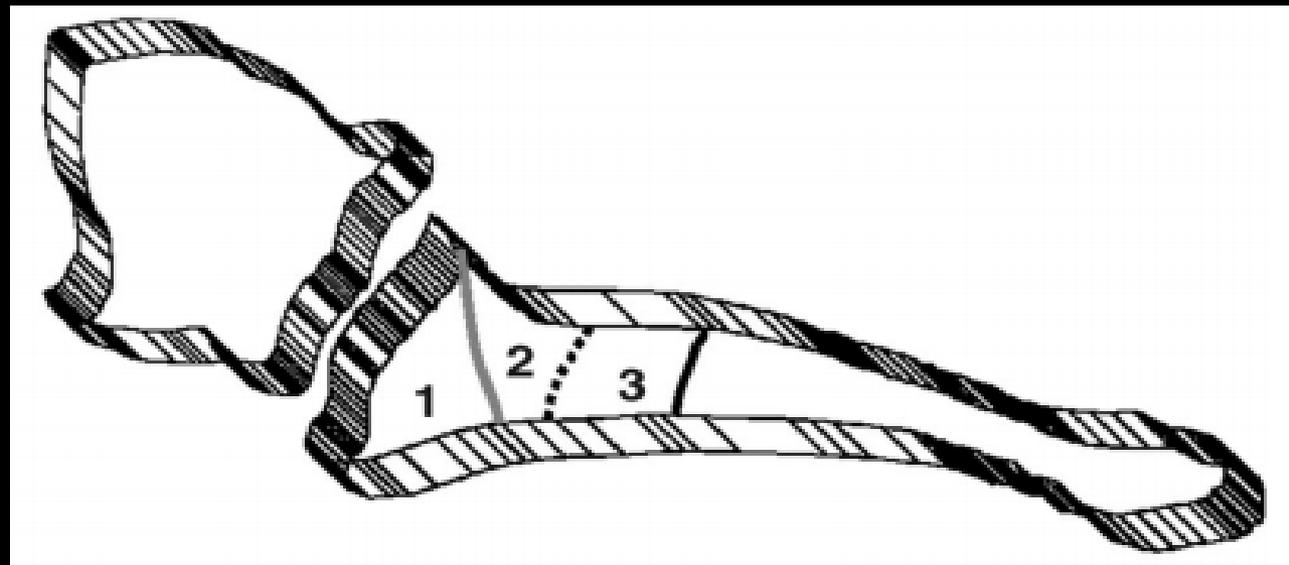
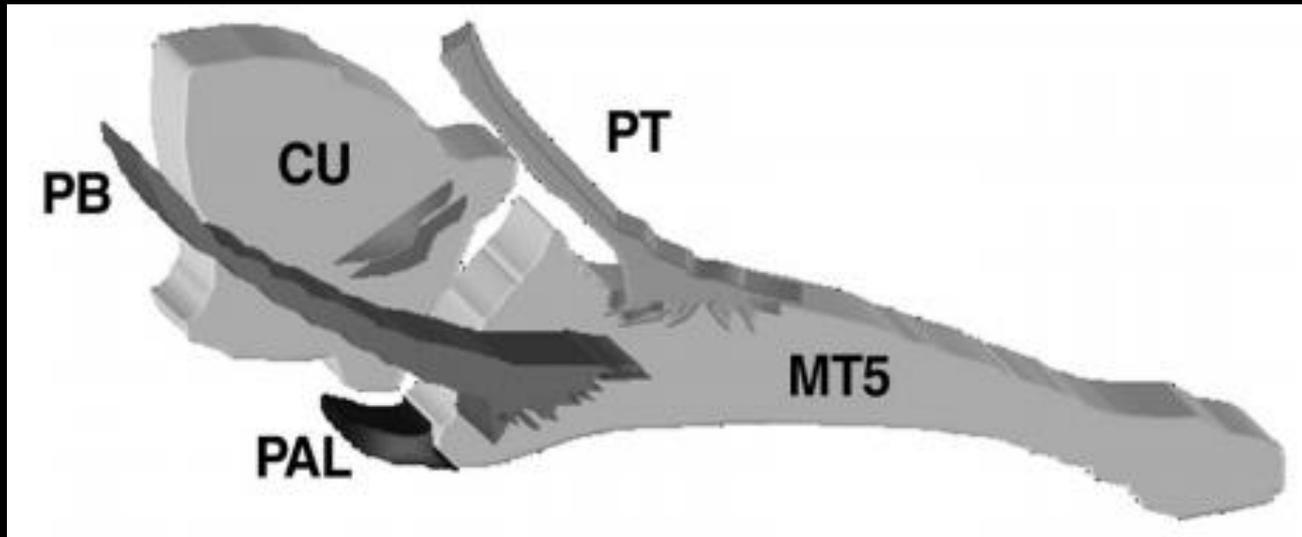
Foot, anatomy, 465.92
Foot, CT, 465.12111, 465.12115
Foot, MR, 465.121411
Foot, fractures, 465.41

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Fractures of Proximal Portion of Fifth Metatarsal Bone: Anatomic and Imaging Evidence of a Pathogenesis of Avulsion of the Plantar Aponeurosis and the Short Peroneal Muscle Tendon¹



Theodorou et al. Radiology. 2003;226:857-865

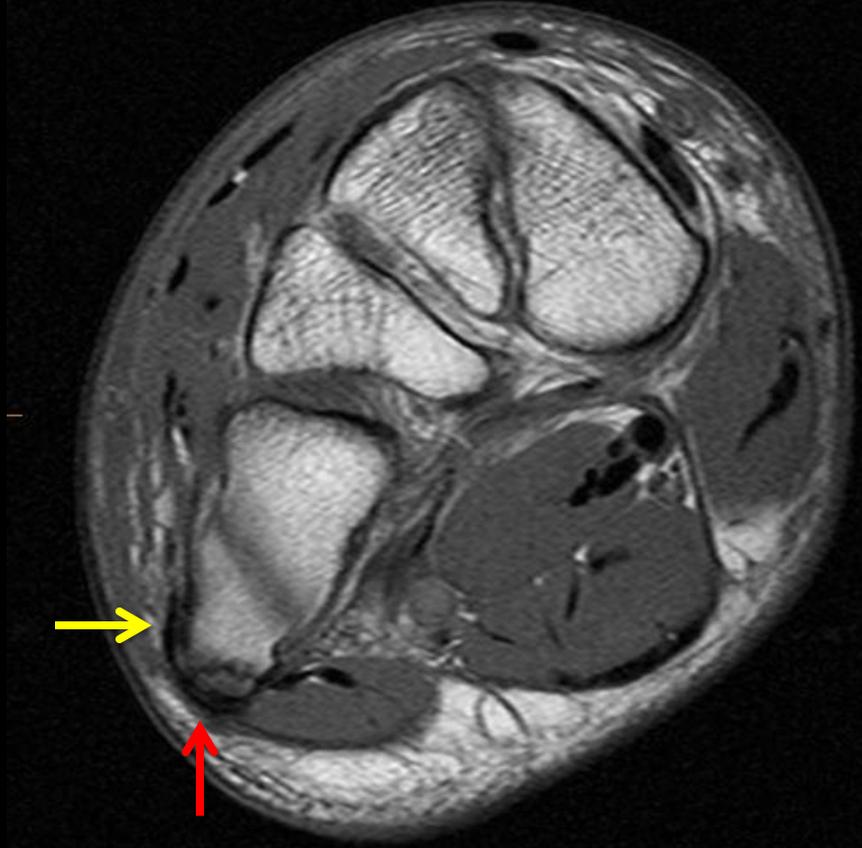


Theodorou et al. Radiology. 2003;226:857-865



→ Peroneus brevis

→ Lateral cord





Jones



Stress

Bahel A and Yu JS. Emergency Radiology. July 2010;17(4):291-8

Take Home Points

- Not all 5th metatarsal fractures are Jones fractures
- Tuberosity avulsion fractures are most common and involve the attachment of the lateral cord of the plantar aponeurosis and interdigitating fibers of the peroneus brevis tendon
- Management can vary depending on fracture type

References

1. Polzer H, Polzer S, Mutschler W, Prall W. Acute fractures to the fifth metatarsal bone: Development of classification and treatment recommendations based on current evidence. *Injury*. 2012; 43: 1626-1632
2. Theodorou, Theodorou, Kakitsubata Y, Botte M, Resnick D. Fractures of Proximal Portion of Fifth Metatarsal Bone: Anatomic and Imaging Evidence of a Pathogenesis of Avulsion of the Plantar Aponeurosis and Short Peroneal Tendon. *Radiology*. 2003;226:857-865.
3. Bahel A and Yu JS. Lateral Plantar Pain: Diagnostic Considerations. *Emergency Radiology*. July 2010; 17(4):291-8