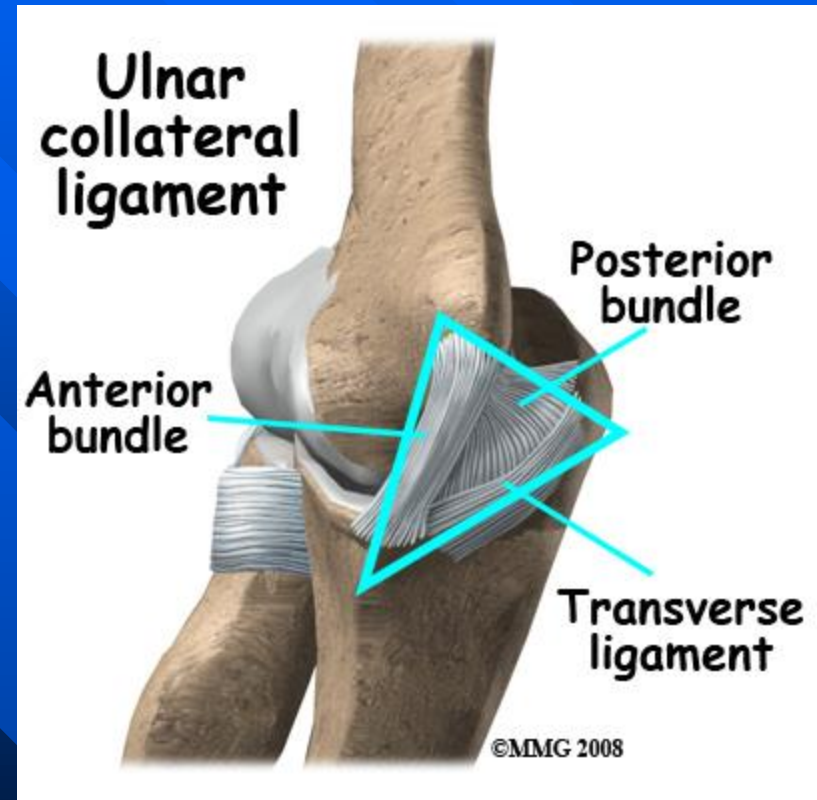


Ulnar collateral ligament (*medial collateral ligament*)

- *Medial Side*
- *anterior bundle*
- *posterior bundle,*
- *thinner, transverse ligament*



UCL

Sublime tubercle
Ant band attaches
here

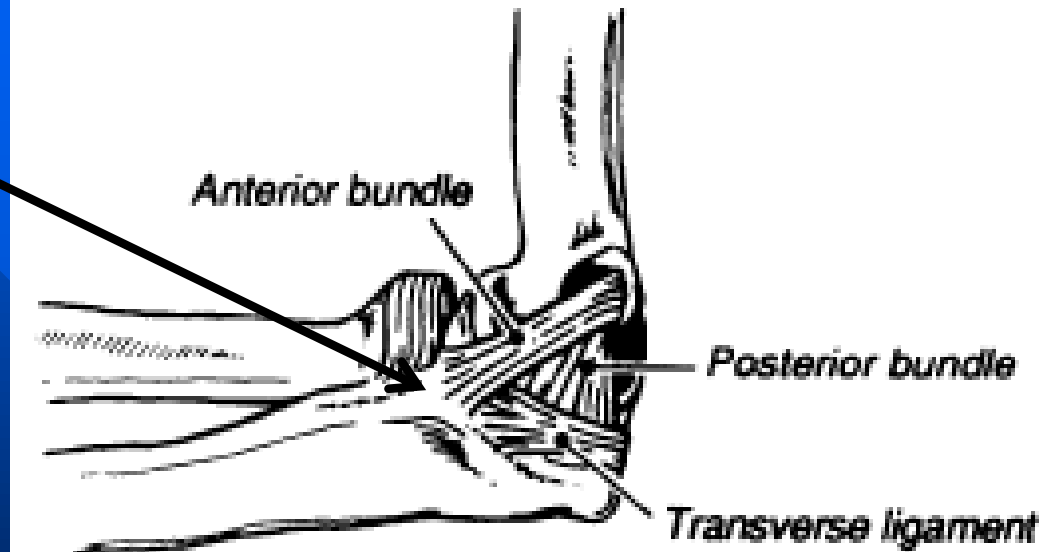
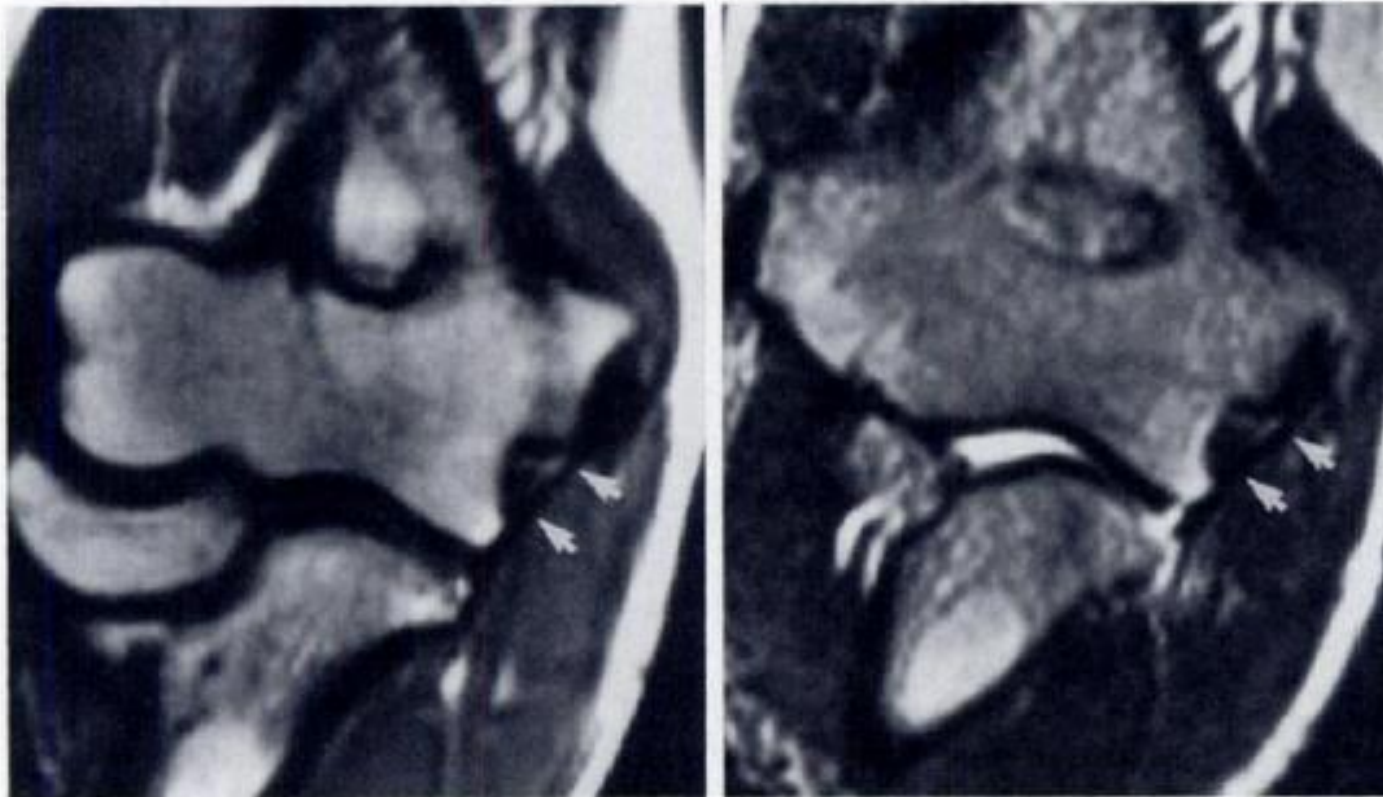


Figure 1. Schematic illustration of the elbow shows the three components of the UCL complex.

Normal UCL



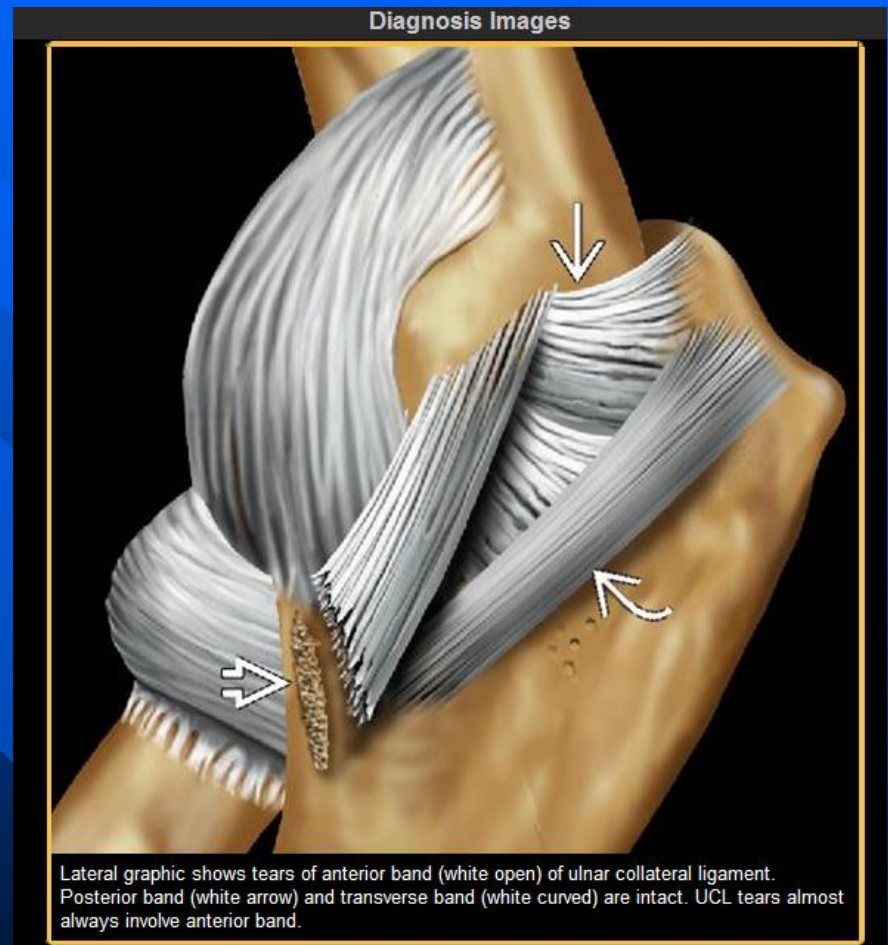
a.

b.

Figure 2. Normal UCL (arrows) is demonstrated on coronal (a) T1-weighted (550/16) and (b) T2-weighted (2,000/80) images obtained in a patient without clinical evidence of UCL injury. The normal ligament is characterized by a straight course, discretely defined margins, and an absence of internal signal intensity with all pulse sequences.

Ulnar collateral ligament Tear

- Although UCL has 3 bands, clinical attention is focused on anterior band
- Term UCL tear generally used to mean anterior band UCL tear



Partial tear: T-sign described

- Ligament partly detached from sublime tubercle
- Contrast extends between tubercle and more distal attachment of ligament
- May sometimes be a normal variant



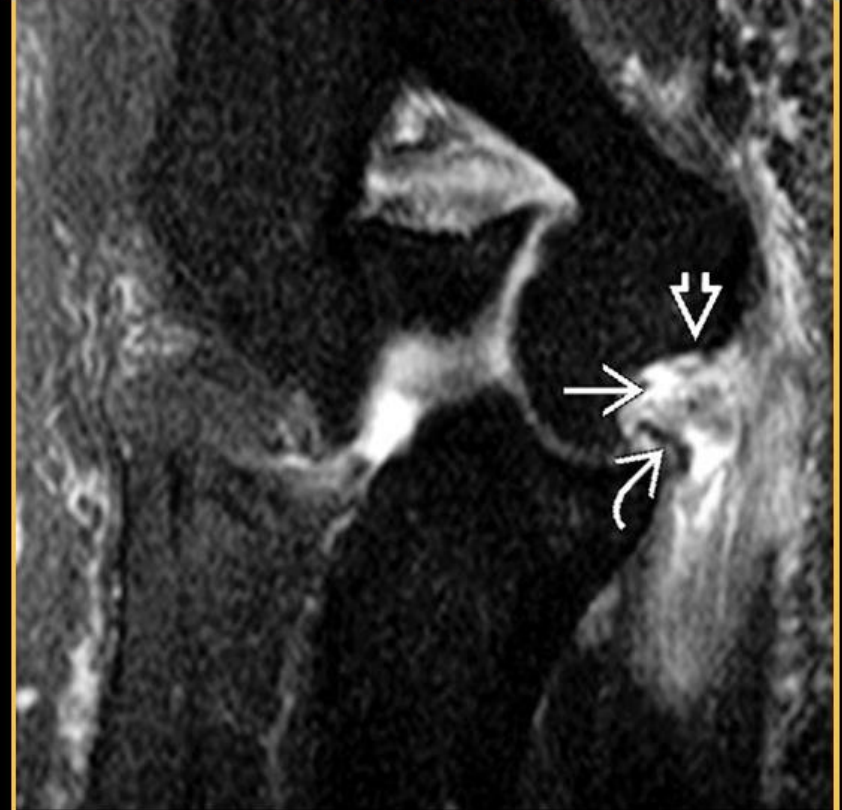
Complete Tear

Diagnosis Images



Coronal MR arthrogram T2WI FSE FS in the same patient shows complete proximal avulsion of UCL (white arrow) and high grade partial avulsion of flexor tendons (white curved).

Diagnosis Images



Coronal MR arthrogram T2WI FSE FS shows avulsion of anterior band of UCL from origin (white arrow), with retracted ligament visible distally (white curved). Flexor tendons are also partially avulsed (white open).

Ulnar collateral ligament Tear



Professional baseball pitcher with pain medial elbow

Complete UCL Tear

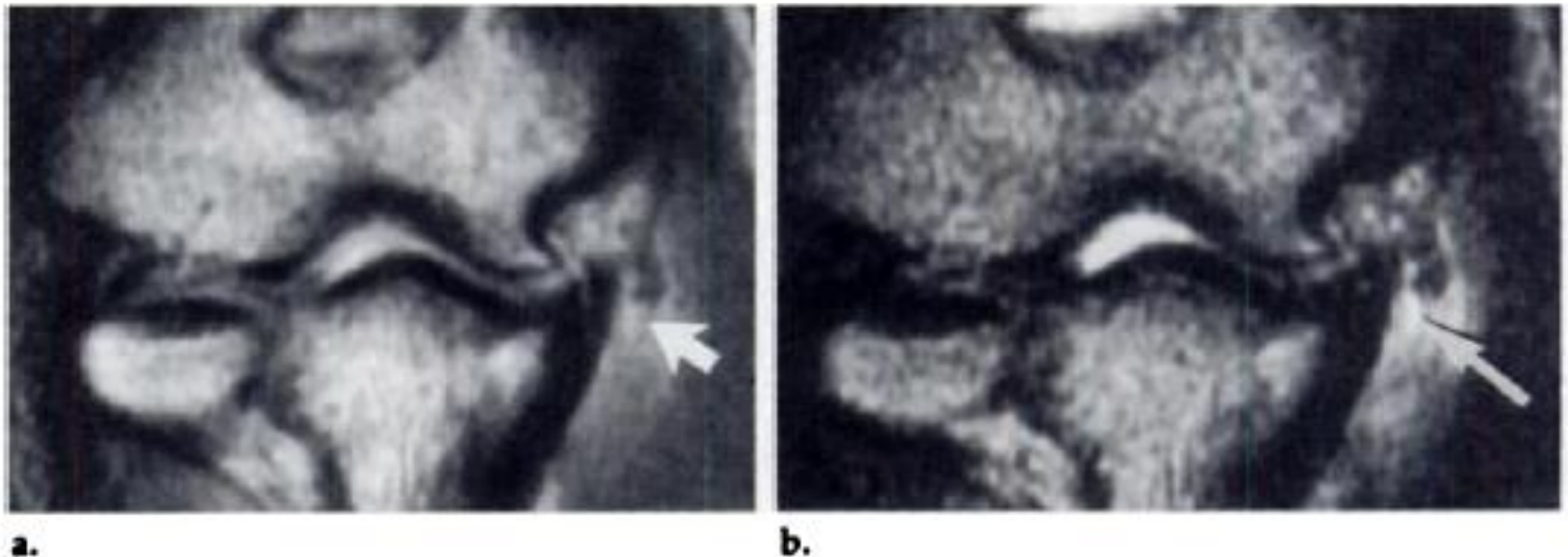


Figure 5. Complete rupture of the distal UCL is demonstrated on coronal (a) proton density-weighted (2,250/30) and (b) T2-weighted (2,250/80) images. The UCL is thickened and retracted proximally from the site of detachment (arrow), and extensive abnormal increased signal intensity surrounding the UCL represents edema and hemorrhage.

Injury to Sublime Tubercle



Ulnar collateral ligament reconstruction

- *Ulnar collateral ligament reconstruction.*
- Baseball players and fans call it *Tommy John surgery*

