

A large, stylized oak leaf graphic in a dark blue color, positioned on the left side of the slide. The leaf has a prominent central vein and several smaller veins branching off it. The background of the slide is a solid dark blue.

40M with trauma

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A large, stylized oak leaf graphic in a dark blue color, positioned on the left side of the slide. It features detailed vein patterns and a lobed edge.

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Lunotriquetral coalition



PA radiograph of the right wrist demonstrates osseous coalition of the lunate and triquetrum bones (red arrow). A small 5th metacarpal base fracture is present (blue arrow).

Lunotriquetral coalition

- Congenital fusion of the lunate and triquetral bones
- Most common type of carpal coalition
- More common in females (F:M = 2:1)
- Can be osseous (as in this case), fibrous, or cartilaginous
- Osseous coalition is usually asymptomatic, however fibrocartilaginous coalition can present with ulnar-sided wrist pain
- Four types (De Villiers classification):
 1. incomplete (fibrocartilage) fusion – resembles a pseudoarthrosis
 2. incomplete osseous
 3. complete osseous
 4. complete osseous with other carpal abnormalities

References

- Mandell J. Core Radiology: A Visual Approach to Diagnostic Imaging. Cambridge University Press. ISBN:1107679680.
- Metz VM, Schimmerl SM, Gilula LA et-al. Wide scapholunate joint space in lunotriquetral coalition: a normal variant? Radiology. 1993;188 (2): 557-9.