

## **RUPTURE OF FLEXOR CARPI RADIALIS TENDON COEXIST WITH CLOSED FRACTURE DISTAL END RADIUS IS A RARE ENTITY**

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**Introduction:** The flexor carpi radialis is one of the long flexors which is important in flexing and abducting the hand at the wrist. It originates at the medial epicondyle of the humerus and attaches at the base of the second metacarpal bone. Tendon rupture as a complication of distal radius fractures has been documented however rupture of flexor carpi radialis tendon associated with closed fracture distal end radius is rare.

**Results:** A thirty years old gentleman with no known medical illness had alleged fall with wrist in extended position during playing football. On examination patient had limited range of movement of wrist due to pain which masked the function of flexor carpi radialis muscle. Intraoperatively, it was discovered that the flexor carpi radialis tendon had ruptured distal to the fracture. After fixation of the fracture with locking plate, the rupture tendon was repaired and wrist was protected with a backslab. At 2 weeks post operation, backslab was removed and early mobilisation of the wrist began.

**Conclusion:** The case demonstrates that ruptured flexor carpi radialis tendon associated with distal end radius fracture can happen in such mechanism which is fall in extended wrist. Flexor carpi radialis tendon rupture is a clinical diagnosis and will presented with pain at the ruptured tendon site. A gap along the course of the tendon can be detected with palpation. Good functional results post operation has been reported using splint. Ruptured flexor carpi radialis tendon can easily missed in distal end radius fracture due to pain and limited range of movement of the wrist which masked the function of flexor carpi radialis muscle. High index of suspicion needed to diagnosis rupture flexor carpi radialis tendon clinically if coexist with distal end radius fracture.