

## NON INFECTIVE RICE BODIES FORMATION WITH WRIST TENOSYNOVITIS

Roysten Silvanathan<sup>1</sup>, Muhammad Shukri Muhammad Safian<sup>1</sup>, Wong Bah Huang<sup>1</sup>

<sup>1</sup>Hospital Sarikei

**Introduction:** Multiple fibrous bodies resembling polished white rice are occasionally identified lying free or embedded in the synovium of chronically inflamed joints and rarely in rheumatoid arthritis. Rice body formation is uncommon and hence, when identified, may create significant diagnostic confusion. In most cases patient are given thorough debridement followed by medication based on the histopathological finding. Differential diagnosis include sarcoidosis and tuberculous tenosynovitis.

**Methodology:** 29 year old gentleman with no known medical illness with recurrent swelling over the dorsal part of the right wrist. He was diagnosed with chronic granulomatous inflammation based on the 1st excision biopsy 2 years earlier but subsequently defaulted follow up . He was then presented back to us 6 months ago complaining of swelling over the dorsal part of the right wrist with restricted motion due to the swelling. The laboratory test was normal with the tuberculin test negative. The X-rays of the hand showed no significance changes. He had another excision biopsy over the dorsal part of the right wrist. Intraoperatively noted the swelling arising from the extensor tendon sheath with rice bodies were found contained within the encapsulated lump which was excised.

**Results:** The histopathological finding revealed granulomatous inflammation with no evidence of infection such as rheumatic disease or tuberculosis. The patient presented with a good function of the wrist and hand. On the latest follow up there are no evidence of swelling or infection.

**Conclusion:** This is a rare case of rice body formation with unknown etiology. However, further studies are necessary for better understanding of this condition.