

# A Rare Presentation Of A Well-Known And One Of The Oldest Infectious In Century; A Case Report Of Soft Tissue Tuberculosis Involving Wrist And Hand

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## INTRODUCTION:

Mycobacterium tuberculosis is common organism affect pulmonary and extrapulmonary. However extrapulmonary manifestation and localization in soft tissue was very rare. Atypical location and un-specific presentations, became a challenge in diagnosing this disease. Classical 'rice-body' material during operative procedure is the ultimate sign to diagnose it clinically.

## CASE REPORT :

This is a 65 years old lady with no known medical illness. Presented to orthopaedic clinic, with chief complaint of soft tissue swelling at the wrist dan hand. The painless swelling was gradually increasing in size and was firm on palpation. No obvious skin changes with slightly irregular border. Clinical examination of the mass does not differ so much with a common ganglion that always seen at the wrist. Except, the extension of the mass with multi-globular make it special. Mri was done to this patient and was report as a ganglion-tumor like with extension from the wrist to the hand.

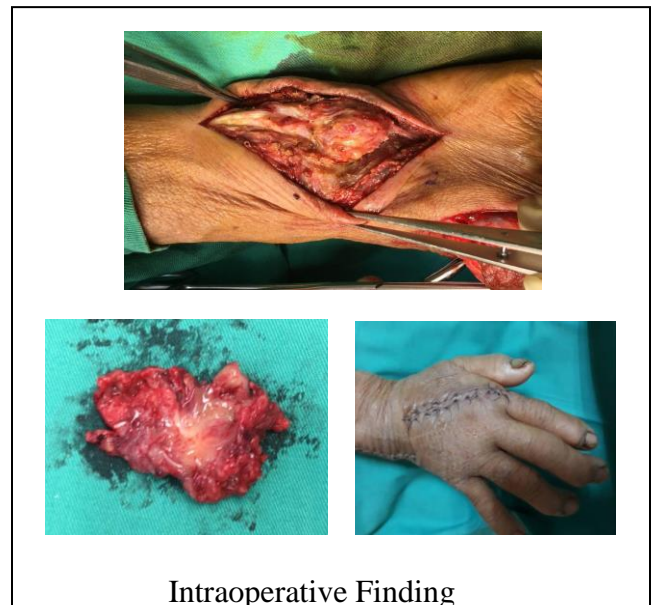
## RESULTS:

She underwent operation with an approach direct on top to the mass. The mass lies underneath the fascia. After we open the fascia we can see clearly a good well-sourround capsule with part of the tendon and nerve inside it. The affected tendon still healthy however the mass encapsulating it so solid and felt to be fibrous-like sensation. After dissecting the mass, we can see a lot of rice-body inside it. Thorough debridement done to this patient, while preserving the structure involved.

From the histopathology examination, a lot of necrotizing granulomatous inflammation consistent with tuberculosis were found.

## DISCUSSIONS:

Soft tissue tuberculosis is one of the extrapulmonary tuberculosis. Rice body material and biopsy will confirm the diagnosis. Thorough debridement need to perform intraoperatively then subsequently continue with oral anti-tb treatment.



Intraoperative Finding

## CONCLUSION:

Good prognosis achieved for the patient after thorough debridement and completed oral anti-tuberculosis treatment.

## REFERENCES:

Sbai MA et all. Pseudotumoral form of soft tissue tuberculosis of the hand : six cases. Pan African Medical Journal. 2016; 25:178 doi 10.11604/pamj.2016.25.178.8918