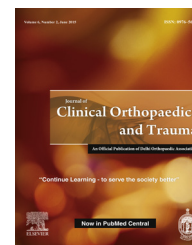


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Case Report

Carpal tunnel syndrome: A rare manifestation of distal radius osteoid osteoma



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ABSTRACT

Osteoid Osteoma is a benign bone tumor that normally affects long bones and rarely affects distal radius. Because of its nonspecific presentation in the wrist, it remains a diagnostic challenge. We report an unusual case of Osteoid Osteoma at distal radius having symptoms resembling that of carpal tunnel syndrome. The diagnosis was confirmed preoperatively with X-rays; bone scintigraphy, CT, and MRI, later histological examination confirmed the diagnoses. Surgical excision lead to a dramatic improvement in the condition of the patient.

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1. Introduction

Osteoid Osteoma is a benign tumor described by Jaffe¹ in 1935. It causes pain, which is worse at night. Usually it is seen in the long bones but rarely occurs in the hand.² Isolated distal radius presentation could not be found in literature, even after extensive research. Clinical presentations of these lesions are often uncharacteristic and can lead to misdiagnosis. We report here such a case of Osteoid Osteoma occurring in distal radius in which initial diagnosis was missed but once diagnosis was confirmed, correct surgical excision lead to complete relief of symptoms.

2. Case report

A 25 year old male presented to our Orthopedic OPD with chief complaints of right wrist pain and numbness in right hand for last one and half years. The pain was continuous throughout the day with aggravation of symptoms while working. He also had numbness along the radial border of hand and radial three fingers with increase in symptoms on palmer flexion. Patient was on treatment elsewhere and a clinical diagnosis of Carpal tunnel syndrome was made on the basis of physical findings and clinical tests. Patient was being treated symptomatically with NSAIDs. Patient had relief of symptoms during the course

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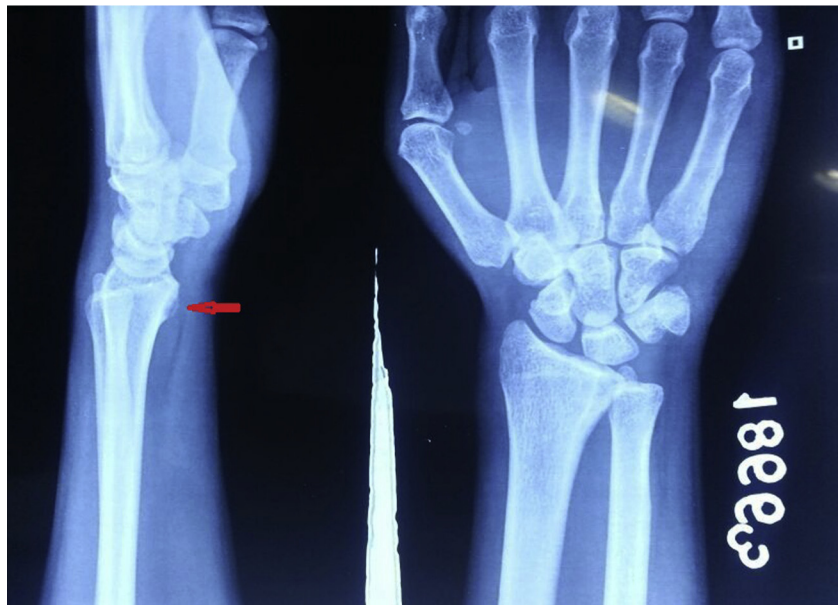


Fig. 1 - Pre Op X-ray.

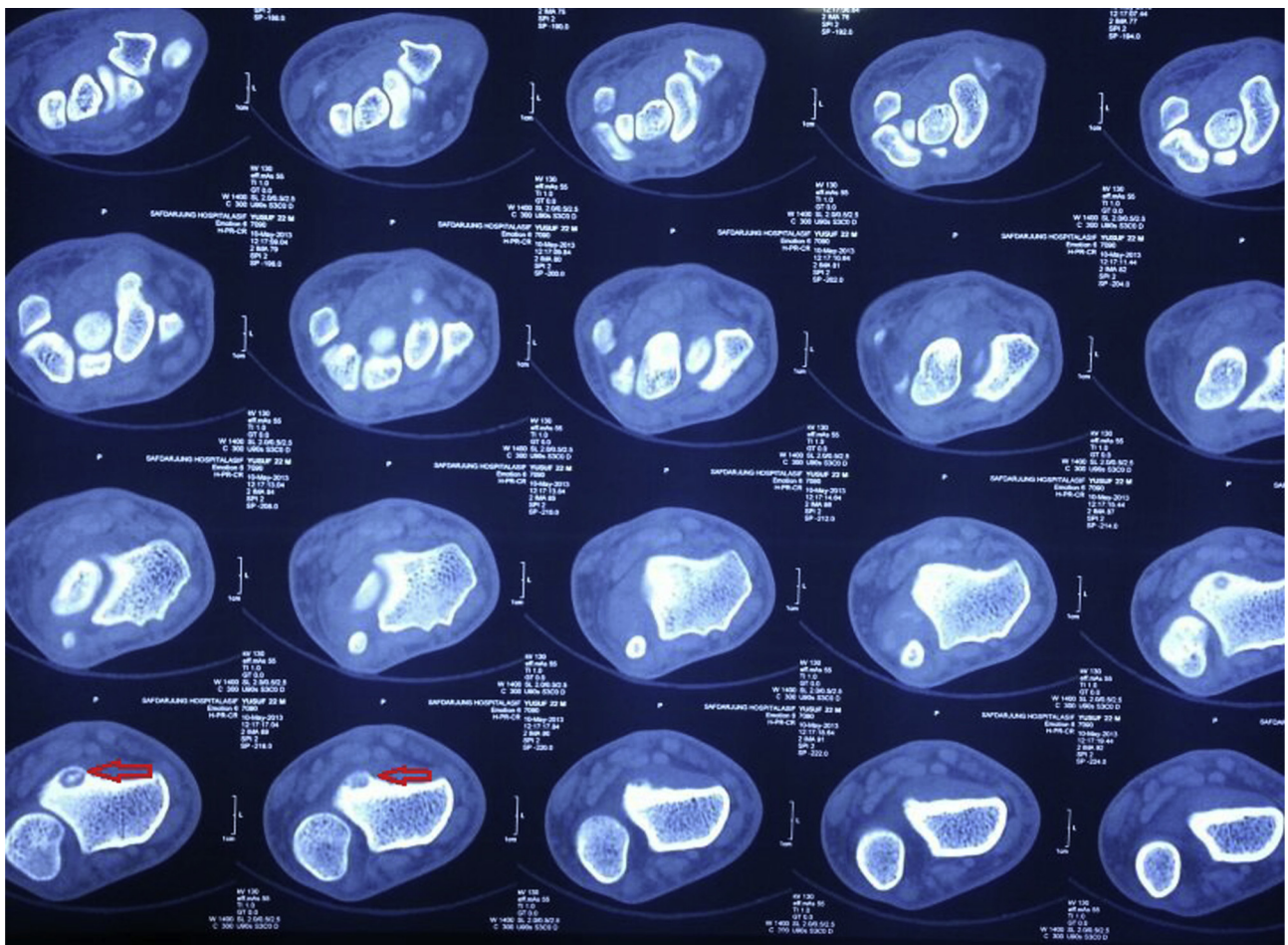


Fig. 2 - CT scan showing nidus.

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