

(Fig. 4).

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Fig. 1. The plain radiograph showed a protruding bony mass suggesting osteochondroma arising from intraarticular lesion of the head of third metacarpal bone.

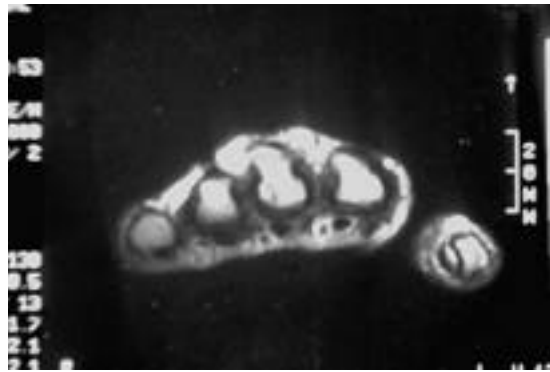


Fig. 2. The MRI showed bony protuberance on the head of third metacarpal bone; It revealed the bony communication between the medullary cavity of host bone and the medullary portion of the lesion. And thin high signal intensity in T2 weighted image was noted in suggesting of cartilage cap.



Fig. 3. The mass located in the joint and covered with thin cartilage cap.

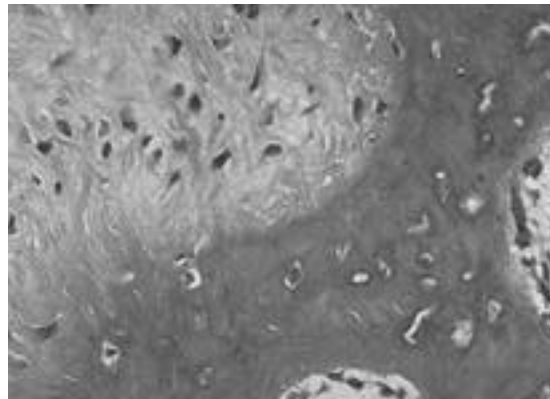


Fig. 4. Photomicrograph of a histological section of the tumor, which consisted of cartilage cap and normal bone (H&E staining, $\times 100$).

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Abstract

Intra-articular Osteochondroma of the Head of Third Metacarpal Bone -A Case Report-

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The osteochondroma is the most common benign bone tumor which arise in the metaphyseal or metaphysiodiaphyseal portion of long bone. Osteochondroma is rare in hand and extremely rare in the intraarticular location of the hand. We report a case of intraarticular osteochondroma which occurred at the third metacarpal head of the hand in a 53 year old female patient. The size of the excised mass was 10 × 8 × 5 mm with definite cartilage cap.

Key Words: Metacarpophalangeal joint, Adult, Intraarticular osteochondroma

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