

Chondroblastic Osteosarcoma of the Clavicle: A Case Report

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ABSTRACT

In current observational study, we have reported a patient with Iraqi nationality suffering from chondroblastic osteosarcoma of the clavicle (Figure 1). He aged 17 years old having height 1.75 m and weight 60 kg without any family history of malignancy. The signs have been started 1 year ago as a painful swelling. MRI showed a cortical expansion and bone destruction (Figure 2). Diagnosis was made based on fine needle aspiration (FNA) and biopsy. The patient underwent a chemotherapy course but did not respond to the treatment. After chemotherapy, he did not take any medicine and referred to the physician's office with swelling in right clavicle in 30th January, 2021. 3 months after the end of chemotherapy, the claviclectomy surgery was performed without reconstruction. He underwent the sub-total clavicular resection surgery at Razavi Hospital, Mashhad, Iran. Tumor swelling was 3 x 4 cm and the length of the excised clavicle was about 7 cm (Figure 3). Two months after the surgery, he was followed up and stated no issues. Figure 4 has shown light micrograph with a numerous fusiform osteoblastic cells.

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Figure 1: Chondroblastic osteosarcoma macroscopic view.

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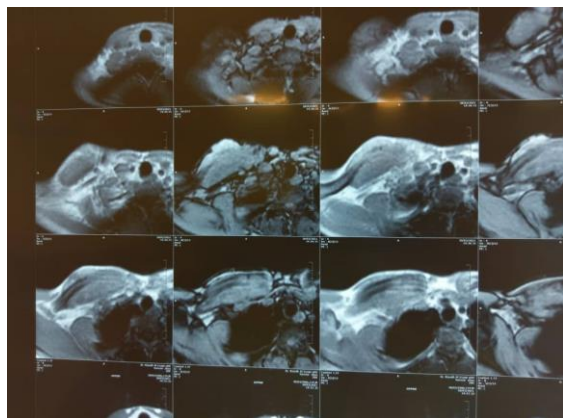


Figure 2: Magnetic resonance imaging (MRI) of chondroblastic osteosarcoma. A T1-weighted imaging of the right clavicle demonstrated a cortical expansion and bone destruction.

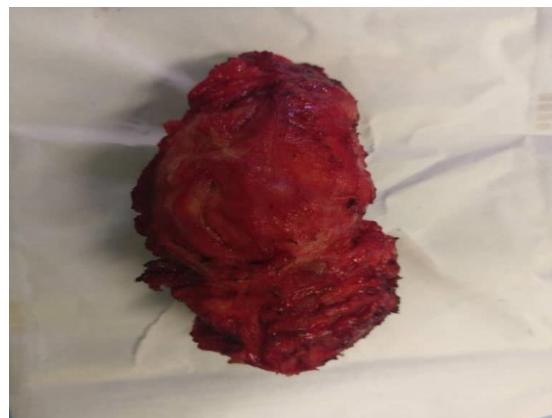


Figure 3: Chondroblastic osteosarcoma macroscopic sampling

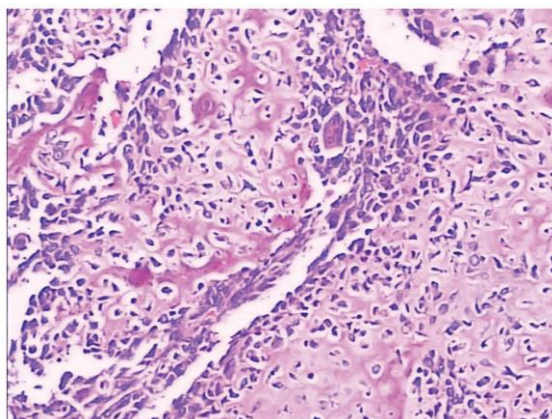


Figure 4: Chondroblastic osteosarcoma under microscopic field (H&E; 20x), (Zheng et al., 2015).

Conflicts of interest

The authors have declared no conflict of interest.