

A case of giant-cell tumor of the clavicle

Mohammad Hanif Beg¹, Maulana Mohammad Ansari¹, Reyaz Uddin² and Mohammad Naim³

A rare case of giant-cell tumor of the clavicle is reported.

We have found only one previous report of a case of giant-cell tumor of the clavicle (Schajowicz 1981). Even large series of giant-cell tumor (Goldenberg et al. 1970, McDonald et al. 1986) do not mention this location.

Case report

A 25-year-old woman was admitted with a 6-year history of a progressively increasing painless swelling on the upper part of the left anterior chest wall without any respiratory symptoms. There was no history of trauma to the area.

She was found to be in good health, and had otherwise normal findings. She had a 9 x 7-cm bony mass arising from the medial one third of the clavicle, which was lobed and tender. Signs of "egg-shell cracking" were present. Superficial veins were engorged, and the local temperature was elevated. The skin overlying the mass was mobile and free.

A posteroanterior chest radiograph showed a large radiolucent area occupying the medial one third of the clavicle with expansion of the cortex (Figure 1). Laboratory values were within normal limits, including serum calcium (2.4 mmol/L) and serum parathyroid hormone (0.3 µg/L).

At the operation the left sternoclavicular joint and its cartilages were found to be free from any involvement. The tumor was not adherent to the underlying structures. A wide excision of the mass, including 3 cm of healthy tissue of the clavicle, was performed. Histopathologic examination revealed a benign giant-cell tumor.

The postoperative period was uneventful. At the fol-

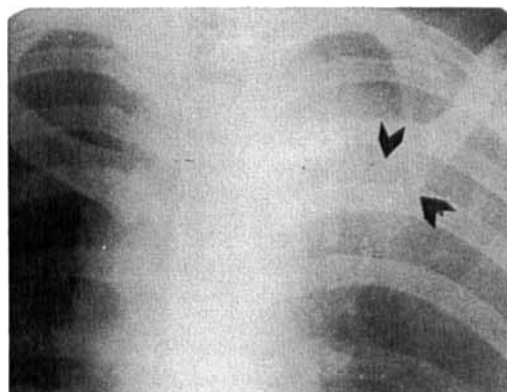


Figure 1. Posteroanterior chest radiograph showing a radiolucent area in the middle one third of the left clavicle with widening of the cortex (arrowheads).

low-up 1 year later, the patient was doing well and did not have any local recurrence or distant metastasis.

References

- Goldenberg R R, Campbell C J, Bonfiglio M. Giant cell tumor of bone. An analysis of two hundred and eighteen cases. *J Bone Joint Surg (Am)* 1970;52(4):619-64.
- McDonald DJ, Sim FH, McLeod R A, Dahlin DC. Giant cell tumor of bone. *J Bone Joint Surg (Am)* 1986;68(2):235-42.
- Schajowicz F. Tumors and tumor-like lesions of bone and joints. Springer, New York 1981:206.

Division of Cardiothoracic Surgery¹ and Departments of Radiology² and Pathology³, Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh, India

Correspondence: Dr. Mohammad Hanif Beg, C-4, Duplex Quarters, Sir Syed Nagar, Aligarh-202002, India