

## **GIANT CELL TUMOR OF THE BONE: DESCRIPTION OF TWO UNUSUAL CASES AND REVIEW OF LITERATURE.**

**Paixão-Becker, ANP**; Saggiaro, FP; Chahud, F; Neder, L; Oliveira, RS; Machado, HR; Santos, AC.

**INTRODUCTION:** Giant cell tumor (GCT) of bone corresponds to less than 10% of all bone tumors. It generally affects young adult women, with median age in the 3<sup>rd</sup> or 4<sup>th</sup> decades and the most common sites are epiphysis of long bones on the appendicular skeleton. GCTs in skeletally immature individuals and in non-long bones are rare, and have been reported in vertebrae in less than 1% of all cases. GCT is a locally aggressive neoplasm, which can rarely metastasize, especially to lungs. **AIMS:** To describe histological and radiological features of two cases of unusual sites of GCT in children, and show the outcomes after surgery. **METHODS:** Analysis of radiological patterns was based in X-ray, CT and MRI. Histopathological features were accessed by H&E stain, with analysis of the totality of surgical specimens. **RESULTS:** Both cases were tumors located in vertebrae: Case 1- a 13 y-o female patient, with chest pain followed by paresthesia in right upper and lower limbs, that evolved for paraparesis and tetraparesis. The images of the tumor showed a lytic lesion extending from T1 to T3 vertebral bodies. The patient was submitted to gross total resection. Case 2- a 17 y-o female patient with back pain, irradiated to lower limbs and paresis. CT and RNM revealed expansive paravertebral lesion, extending from C7 to T1, which was partially excised, followed for later embolization of the reminiscent lesion, and further resection. The follow-up of 5-years and 5-months in each patient, respectively, did not show any signs of recidivism, and the patients present grade V muscle force in all limbs. **CONCLUSIONS:** Although rare, GCT must be considered a differential diagnosis in the approach of bone lesions in skeletally immature individuals, especially because its incidence is increasing in accord to recent series.

This document was created with Win2PDF available at <http://www.win2pdf.com>.  
The unregistered version of Win2PDF is for evaluation or non-commercial use only.  
This page will not be added after purchasing Win2PDF.