



## Case Report

# Hindfoot aneurysmal bone cyst: report of two cases<sup>☆</sup>



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### ABSTRACT

Osseous tumors of the hindfoot are not usual in the literature, the diagnosis in these cases is difficult and can often go unnoticed. Besides that, surgery and reconstruction are complicated due to the complexity of the local anatomy, which makes these lesions even more challenging for the orthopedic oncological professionals. On the following article two cases of aneurysmal bone cyst of the hindfoot are reported, as well as the alternatives and peculiarities in conducting these cases according to the oncological principles. When the subject are hindfoot tumor lesions, the early diagnosis is extremely important, as well as the proper staging and the management of the case by the orthopedic oncological professional according to oncological principles.

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### Cisto ósseo aneurismático do retropé: relato de dois casos

#### RESUMO

Os tumores do retropé são raros na literatura, o diagnóstico é difícil e muitas vezes é feito pelo profissional menos experiente. Acrescente-se a isso o fato de o tratamento cirúrgico e a reconstrução serem complicados pela intrincada anatomia local. Essas lesões são desafiadoras para o ortopedista oncológico. Relatamos dois casos de cisto ósseo aneurismático do retropé e nossas opções e particularidades na condução deles de acordo com os princípios oncológicos. Nas lesões tumorais do retropé é importante a suspeita diagnóstica precoce, bem como o estadiamento adequado e a condução do caso de acordo com os princípios oncológicos, preferencialmente pelo ortopedista oncológico.

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## Introduction

Tumors of the hindfoot are rarely described in the literature; the diagnosis is usually difficult to attain from a general practitioner. Often, the only known complaint is pain and it is related to traumatic events, which requires a high index of suspicion for the diagnosis.

Aneurysmal bone cyst is a benign, locally aggressive tumor that occurs primarily in the first two decades of life. It accounts for 1–2% of primary bone tumors and, if not treated properly, has a risk of local recurrence, followed by destruction of the

joint and significant functional deficit. Due to the complexity of such tumors, the correct management and follow-up should be conducted by an orthopedic oncologist.

The authors report the presentation of two cases of aneurysmal bone cyst of the hindfoot and their respective management.

## Case report 1

A female patient, aged 18 years, had pain in the right ankle; radiography showed a lytic lesion in the body of the talus,



Fig. 1 – Radiograph of the right ankle showing a lytic lesion in the talus.



Fig. 2 – Magnetic resonance imaging indicating lesion with hypersignal on T2.

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