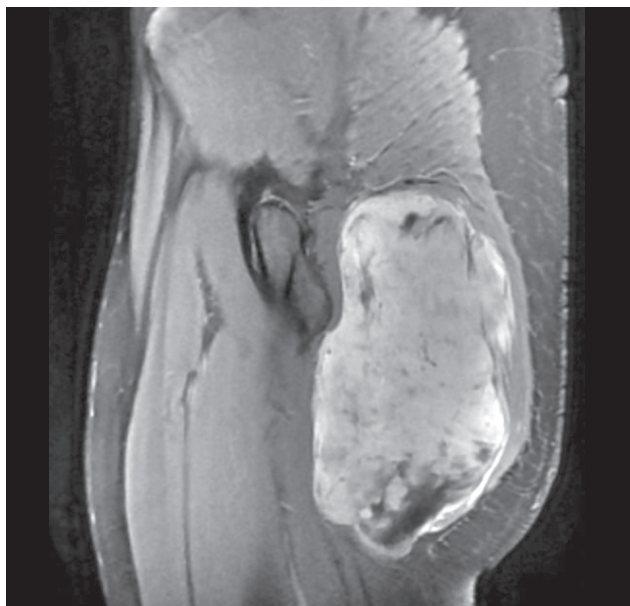




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**Keywords:** Fibromatosis, Aggressive; Muscle, Skeletal; Muscular Diseases  
**Palavras-chave:** Doenças Musculares; Fibromatose Agressiva; Músculo Esquelético

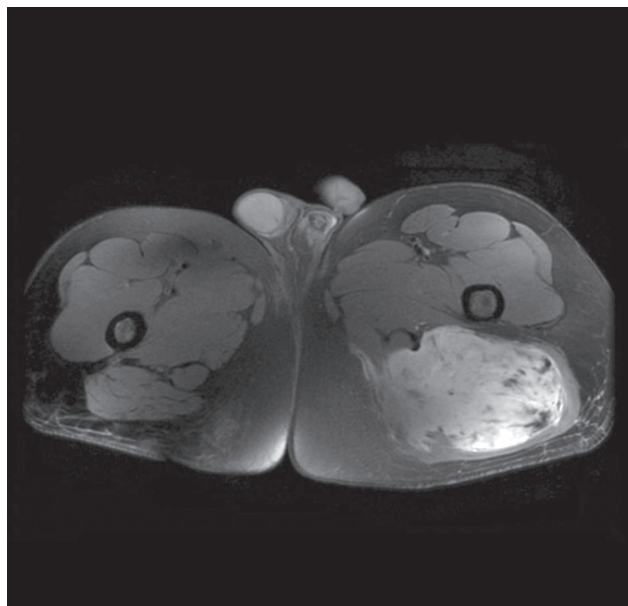


**Figure 1** – T2 weighted magnetic resonance imaging of left gluteal region showing a large mass within the gluteus maximus muscle and adjacent to the sciatic nerve. Sagittal view.

A 17-year-old boy presented to our emergency department with an 8-month history of pain and swelling in the left buttock. Physical examination revealed a firm, fixed, large mass, with extension to the thigh with no inflammatory signs.

Magnetic resonance imaging (MRI) showed a mass measuring 17.1 x 14.1 x 10.3 cm (Fig. 1) located deep within the gluteus maximus muscle and adjacent to the sciatic nerve. The biopsy confirmed the diagnosis of desmoid-type fibromatosis (DTF). He started chemotherapy with metronomic vinorelbine (90 mg *per week*) with stable disease.

DTF is poorly understood and rare in childhood.<sup>1</sup> It is a low-grade malignancy with a high potential for local recurrence. However, it does not metastasize.<sup>2-4</sup> DTF is commonly seen in the extremities, abdominal wall and mesentery. The definite diagnosis is made histologically.<sup>1</sup> Computed tomography or MRI is needed to assess resectability. Chemotherapy is used in progressive/symptomatic cases where surgery would cause unacceptable morbidity.<sup>2</sup>



**Figure 2** – T2 weighted magnetic resonance imaging of left gluteal region showing a large mass within the gluteus maximus muscle and adjacent to the sciatic nerve. Axial view.

### AUTHORS CONTRIBUTION

ATR: Draft of the manuscript.  
JM, MHA: Critical review of the paper.

### PROTECTION OF HUMANS AND ANIMALS

The authors declare that the procedures were followed according to the regulations established by the Clinical Research and Ethics Committee and to the Helsinki Declaration of the World Medical Association updated in 2013.

### DATA CONFIDENTIALITY

The authors declare having followed the protocols in use at their working center regarding patients' data publication.

### PATIENT CONSENT

Obtained.

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### COMPETING INTERESTS

The authors have declared that no competing interests exist.

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