Anterior Cervical Cystic Lymphangioma in an Adult Patient

Linfangioma Cístico Cervical Anterior no Adulto

Keywords: Head and Neck Neoplasms; Lymphangioma, Cystic
Palavras-chave: Linfangioma Quístico; Neoplasias de Cabeça e Pescoço

Cystic lymphangioma (CL) is a rare benign tumour, located most frequently in the posterior cervical triangle. Approximately 90% of these lesions are diagnosed before the age of two, and only a small number of cases are reported in adults. Most patients are asymptomatic, although compressive symptoms, such as dysphagia, difficulty in breathing or hoarseness may occur. Diagnosis is based on clinical findings, imaging methods and biopsy. Surgery is the treatment of choice.

A 50-year-old female presented with a large anterior cervical cystic mass, which we assumed to be a thyroglossal duct cyst (TDC), based on clinical and imaging findings. On objective examination, the patient presented an anterior cervical mass, mobile with swallowing and protrusion of the tongue. The cervical computed tomography (CT) revealed a large, homogeneous cystic lesion, 7.5 cm in highest diameter, centered in the anterior cervical region (Fig. 1). Up to this point of the investigation, the gathered information pointed to TDC as the likely diagnosis. The biopsy was inconclusive. Intraoperatively, the lesion we found was, surprisingly, highly suggestive of a CL, with no path being identified that could represent a thyroglossal duct (Fig. 2). The lesion was excised, and the postoperative period was uneventful. The histological examination confirmed the diagnosis. At six-month follow-up, the patient remained asymptomatic, with no evidence of recurrence. In this case, the uncommon location of the CL led to a probable preoperative diagnosis of TDC. Therefore, although CL is a rare entity in adults, it should be included in the differential diagnosis of a neck mass, even in atypical locations.

PREVIOUS AWARDS AND PRESENTATIONS
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AUTHOR CONTRIBUTIONS
All authors contributed equally to this manuscript.

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.

COMPETING INTERESTS
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REFERENCES
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Figure 1 – Cervical CT scan demonstrating a large, homogeneous cystic lesion in the anterior cervical region, 7.5 cm in in highest diameter

Figure 2 – Intra-operative identification of a lesion suggestive of cystic lymphangioma, with no path being identified that could represent a thyroglossal duct