Left atrium mixoma on Marshall's ligament: an unusual or uncommon representative

Mixoma de atrio izquierdo sobre el ligamento de Marshall: un representativo inusual o infrecuente

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Atrial myxoma is a primary cardiac tumor, common and benign, which is associated with complications that will depend on its location¹. Left atrial myxomas are more common than those with right location (5:1); 85% are located on the left atrial septum, 11% on the right atrial septum and 1% are multiple^{2,3}.

An uncommon case of myxoma, not reported in the literature, is that located on Marshall's ligament, which entails high risk of post-embolization ischemic stroke, can have clinical manifestations and should be considered in differential diagnosis for its detection, identification and timely treatment. The case of a 64-year-old female patient with a medical history of supraventricular tachycardia, clinical data consistent with transient ischemic attack, and coronary computed tomography angiography incidental findings showing the presence of a tumor (myxoma) or thrombus in the left atrium is presented. Transesophageal echocardiogram documented a tumor in the left atrium suggestive of myxoma (22 x 23 mm), which was heterogeneous, had defined borders, was slightly mobile, located on Marshall's ligament, close

to the left atrial appendage (Fig. 1). Surgical treatment was decided by resection via median sternotomy and left atriotomy. The findings were: 2.4 x 2.4-mm left atrial tumor adhered to Marshall's ligament (Fig. 2). Histopathological examination diagnosed a myxoma. The patient evolved favorably with 24-hour stay in the intensive care unit and hospital discharge at six days.

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Conflicts of interest

None.

Ethical disclosures

Protection of human and animal subjects. The authors declare that no experiments have been performed on humans or animals for this investigation.

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Figure 1. Transesophageal echocardiogram showing a 22 x 23 mm mass in the left atrium located on Marshall's ligament (asterisk), consistent with myxoma. AI: left atrium; LM: Marshall's ligament; VI: left ventricle.

Figure 2. Gross view of the 24 x 24-mm left atrial myxoma, located on Marshall's ligament.

Confidentiality of data. The authors declare that they have followed the protocols of their work center on the publication of patient data.

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