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PII: S0300-2896(24)00442-3

DOI: <https://doi.org/doi:10.1016/j.arbres.2024.11.004>

Reference: ARBRES 3690

To appear in: *Archivos de Bronconeumología*

Received Date: 14 October 2024

Accepted Date: 14 November 2024

Please cite this article as: Aydin Y, Ulas AB, Demirtas R, Pulmonary Giant Angiofibrolipoma, *Archivos de Bronconeumología* (2024), doi: <https://doi.org/10.1016/j.arbres.2024.11.004>

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Pulmonary Giant Angiofibrolipoma

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Running Title: Pulmonary Angiofibrolipoma

Keywords: lung, angiofibrolipoma, surgery

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A 56-year-old woman presented with dyspnea and cough. Radiological findings revealed an intraparenchymal giant lipomatous lesion in the lower lobe of the right lung. The patient underwent right lower lobectomy (Figure 1). Postoperative histopathological examination was evaluated as an angiofibrolipoma. The patient was uneventfully discharged on the 5th postoperative day. Angiofibrolipoma is a soft tissue benign tumour composed of mature adipocytes, vascular tissue and collagenous connective tissue. It usually presents as a solitary, subcutaneous, circumscribed lesion on the back, neck or shoulders.^{1,2} There is no report of angiofibrolipoma arising in the lung parenchyma in the literature so far. Definitive treatment can be achieved with surgical treatment. Angiofibrolipoma should be kept in mind in the differential diagnosis of well circumscribed pulmonary lesions.

The authors received no financial support for the research and/or authorship of this article.

The authors declare that they have no conflict of interest in the publication of this article.

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Legend

Figure 1. Posteroanterior chest radiograph (A) and thorax computed tomography axial sections (B, C) show a 110 x 105 x 100 mm, well-circumscribed, intraparenchymal lesion with fat density in the right lower lobe (circle). Macroscopic structure of lung tissue (D) after lower lobectomy and angiofibrolipoma (circle) and lung tissue (asterisk) after excision of the intraparenchymal lesion are shown. A benign mesenchymal neoplasm comprising mature adipocytes (blue arrow), capillary vascular vessels (red arrow) and fibrocytes (yellow arrow), separated from the lung by a smooth fibrous capsule, is observed in the lung neighbourhood (E).

