Our patient was a 54-year-old man with no significant history of tobacco or alcohol intake and unremarkable laboratory tests. Physical examination was unremarkable, and vital signs were normal. The chest X-ray showed multiple pulmonary nodules of different sizes, with a right hilar mass and calcifications. Other imaging tests, including a computed tomography, were performed.

Bronchoscopy revealed a flexible bronchoscopy, which was diagnosed as flexible by flexible bronchoscopy. The patient was admitted to the respirology unit, where multiple pulmonary nodules were observed on chest X-rays. The CT scan showed a right hilar mass, which was excised and received by the surgical team. The patient was transferred to the surgical ward, where the procedure was performed. After surgery, the patient was discharged and was seen in the follow-up clinic.

Diagnosis of Acinar Carcinoma

To the Editor:

Flexible Bronchoscopy

Diagnosis of Acinar Carcinoma by Flexible Bronchoscopy.
fields, consistent with metastases. No mediastinal or axillary lymphadenopathies were observed. A rounded hypodense lesion was seen in liver segment V–VI, consistent with metastases.

Given the findings consistent with adrenocortical carcinoma, an examination of the adrenal axis and meta-iodobenzylguanidine scintigraphy were requested to rule out pheochromocytoma, since biopsy of the lesion in these cases may be fatal. As this isotope is not used in our hospital, the scintigraphy would have been deferred 1 week, so to avoid delay in diagnosis, we decided to perform a fine-needle aspiration of the liver.

Pathology report results were negative for neoplastic cells, so a bronchoscopy was scheduled. In the chest X-ray conducted before this examination, the pulmonary nodules were seen to have grown significantly (Fig. 1). Bronchoscopy revealed a mass with a necrotized surface and soft consistency in the wall of the posterior segment of the left lower lobe (B10), with partial stenosis of the bronchus. Brushing was performed and a biopsy was obtained, and selected bronchial material was aspirated. The endoscopic judgment was direct signs of neoplasia in the left B10, and the pathology results from the endobronchial biopsy gave a diagnosis of primary carcinoma in the adrenal cortex, with the following immunohistochemical features: inhibin positive, and CK7, TTF-1 and napsin negative (Fig. 1).

Adrenocortical carcinoma is a rare, highly aggressive malignant neoplasm, with poor 5-year survival rates, ranging from 15% to 44% in the published series.2–5 Even after radical resection, most patients develop local recurrence or de novo metastasis.5 Although it is more often sporadic, it may be associated with familial susceptibility.5,6 Metastasis occurs via the lymphatic system and the bloodstream, and by implantation in nearby sites. It has been reported that 21%–39% of all patients have distant metastases at the time of diagnosis.7 Adrenocortical carcinoma usually metastasizes to the lung, the liver, the peritoneum and pleura, the lymph nodes, and the bones.8 Disease progression is rapid, and this entity is a challenge, in terms of both diagnosis and early treatment. The rapid progression of our patient can be observed in the series of radiological images of the chest (Fig. 1).

Radiological assessment of tumor extension is essential and helps to establish the surgical approach. Complete surgical resection is the only curative option when the disease is localized. Patients should undergo surgery in an experienced reference center.9 In our patient, the extension of the lesions ruled out resection, and palliative oncological care was administered.

Since cases of adrenocortical carcinoma are extremely rare, and surgery is not always an option for diagnostic confirmation, we consider this case exceptional, as the diagnosis was established by bronchoscopy. The possibility of rare cancers must be considered in the differential diagnosis of pulmonary lesions.

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References


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