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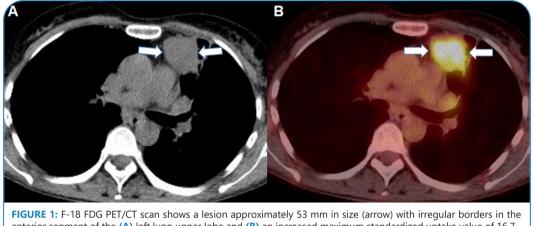
## **Images in Infectious Diseases**

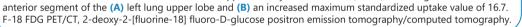
## Pulmonary actinomycosis mimicks lung cancer

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A 54-year-old woman presented with complaints of cough, fever, sputum, chest pain, and hemoptysis. Lung cancer was considered after viewing the patient's positron emission tomography/computed tomography scan (**Figure 1**). Furthermore, a diagnosis could not be made based on the bronchoscopy and tru-cut biopsy results. Since the patient's complaints of hemoptysis gradually increased, we performed a left upper lobectomy. Pulmonary actinomycosis was diagnosed as a result of the histopathological evaluation.

Pulmonary actinomycosis is a very rare disease that usually occurs in people with poor oral hygiene and can cause serious morbidity and mortality if not treated appropriately. The infection is caused by a form of *Actinomyces*, an anaerobic bacterium with a progressive course. Pulmonary actinomycosis is difficult to diagnose. Clinically and radiologically, pulmonary actinomycosis can often mimic tuberculosis, lung abscess, or lung cancer<sup>1,2</sup>, and can sometimes cause life-threatening recurrent hemoptysis<sup>3</sup>. Pulmonary actinomycosis is a rare condition that should be considered in the differential diagnosis of lung cancer.

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