An unusual case of a giant aneurysm of an aberrant systemic artery supplying a pulmonary sequestration

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A 39-year old gentleman presented with cough and haemoptysis for 5 years. A chest radiograph showed a large left retrocardiac opacity (Fig. 1). A contrast enhanced computerised tomography of the thorax showed a hypertrophied aberrant systemic artery from the descending thoracic aorta, leading to a large saccular, partially thrombosed aneurysm in the left lower lobe (Fig. 2). The patient underwent thoracotomy and diagnosis of a broncho-pulmonary sequestration with the aneurysm of the supplying artery was confirmed.

Figure 1: The frontal chest radiograph shows a large well-defined rounded homogenous left retrocardiac opacity with no calcification (black arrows).

Figure 2: (A and B) The axial contrast-enhanced computed tomography (CT) images of the thorax show the hypertrophied aberrant systemic artery (white arrows) arising from the distal thoracic aorta leading into a giant saccular aneurysm in the left lower lobe with partial peripheral thrombosis and mural calcification (black arrows).