European Journal of Cardio-Thoracic Surgery 47 (2015) 578
doi:10.1093/ejcts/ezu209 Advance Access publication 22 May 2014

Cite this article as: Gonca C, Hamzayev E, Atasoy C, Enon S. Anomalous systemic arterial supply to normal basal segments of the left lung without sequestration. Eur J Cardiothorac Surg 2015;47:578.

Anomalous systemic arterial supply to normal basal segments of the left lung without sequestration

Cigdem Gonca[a,*], Elvin Hamzayev[a], Cetin Atasoy[b] and Serkan Enon[a]

[a] Department of Thoracic Surgery, Ankara University Faculty of Medicine, Ankara, Turkey
[b] Department of Radiology, Ankara University Faculty of Medicine, Ankara, Turkey

* Corresponding author. Ankara University, Faculty of Medicine, Ibn-i Sina Hospital, Department of Thoracic Surgery, Sihhiye, Ankara, Turkey. Tel: +90-532-6312233; fax: +90-312-3095722; e-mail: cigdemgonca@gmail.com (C. Gonca).

Received 13 February 2014; received in revised form 6 April 2014; accepted 13 April 2014

Keywords: Anomalous systemic artery • Lung

Computed tomography (CT) angiographic image of a 25-year old male patient admitted with haemoptysis displays the large systemic artery originating from the descending aorta and supplying the left lower lobe. No left lower basal segment pulmonary artery was observed (Fig. 1). Division of the abnormal artery with left lower lobectomy was performed (Fig. 2). The patient was discharged without any complication.

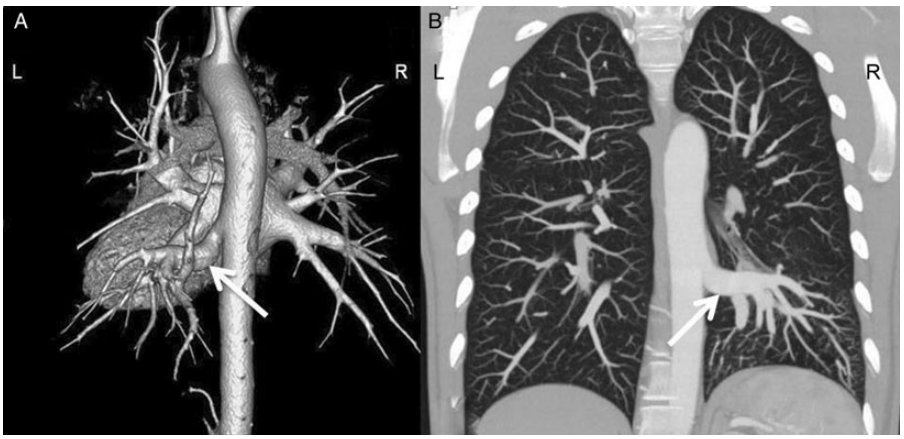


Figure 1: (**A**) Volume-rendered CT angiographic image, posterior view, displays the large systemic artery originating from the descending aorta and supplying the left lower lobe. Also note the diminutive apical segmental artery, below which no pulmonary artery branches to the basal segments could be visualized. (**B**) Axial CT image at lung window shows patent and normal subsegmental bronchi (arrows) of the left lower lobe, which also has slightly increased attenuation and diminished volume.

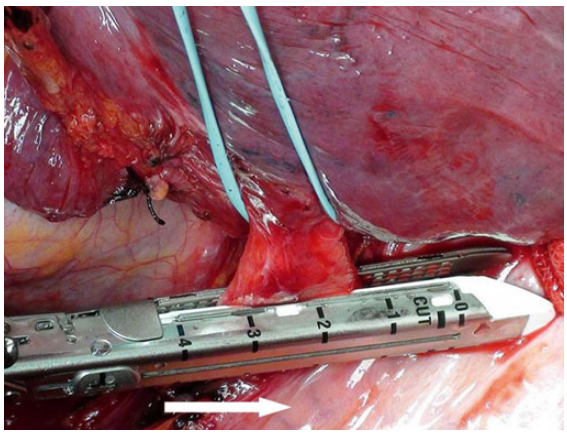


Figure 2: Division of the abnormal artery. The descending aorta is marked with arrow.

© The Author 2014. Published by Oxford University Press on behalf of the European Association for Cardio-Thoracic Surgery. All rights reserved.

Downloaded from https://academic.oup.com/ejcts/article/47/3/578/521997 by ANKARA user on 12 December 2021