Endobronchial metastasis of osteosarcoma presenting as position-dependent and variable airway obstruction of the trachea

Endobronchial metastasis secondary to osteosarcoma is distinctly rare. We report a young man with metastatic osteosarcoma who presented with position-dependent dyspnoea. A CT scan of the chest showed a soft tissue mass that originated from the left lung, causing significant volume loss of the left lung, extended through the left main bronchus and projected to the trachea (fig 1A,B). Bronchoscopy showed a tongue-like lesion that was noted to flip back and forth from the right main bronchus on inspiration to the main trachea on expiration (fig 1C,D and video). The patient underwent left-sided pneumonectomy and the pathology confirmed the diagnosis of metastatic osteosarcoma (fig 2).

VIDEO
The video was obtained during bronchoscopy as the patient was in the supine position. It demonstrates the variable position of the tongue-like lesion flipping back and forth from the right main bronchus on inspiration to the main trachea on expiration.

O Mazboudi, M R Abboud, S Muwakkil, S Akel, A Husari
1 Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, American University of Beirut – Medical Center, Beirut, Lebanon; 2 Pediatric Hematology-Oncology, Department of Pediatrics, American University of Beirut – Medical Center, Beirut, Lebanon; 3 Pediatric Surgery, Department of Surgery, American University of Beirut – Medical Center, Beirut, Lebanon

Correspondence to: Dr A Husari, Department of Internal Medicine, Faculty of Medicine, American University of Beirut, P O Box 11-236, Riad El Solh Beirut 1107 2020 Lebanon; ah51@aub.edu.lb

REFERENCES
Endobronchial metastasis of osteosarcoma presenting as position-dependent and variable airway obstruction of the trachea

O Mazboudi, M R Abboud, S Muwakkil, S Akel and A Husari

Thorax 2010 65: 92
doi: 10.1136/thx.2008.112086

Updated information and services can be found at:
http://thorax.bmj.com/content/65/1/92

These include:

References
This article cites 2 articles, 0 of which you can access for free at:
http://thorax.bmj.com/content/65/1/92#BIBL

Email alerting service
Receive free email alerts when new articles cite this article. Sign up in the box at the top right corner of the online article.

Notes

To request permissions go to:
http://group.bmj.com/group/rights-licensing/permissions

To order reprints go to:
http://journals.bmj.com/cgi/reprintform

To subscribe to BMJ go to:
http://group.bmj.com/subscribe/