An unusual case of dyspnoea

CLINICAL PRESENTATION
A 66-year-old woman presented with progressive exertional dyspnoea, productive cough and dysphonia, particularly when singing; she also experienced a dry obstructed nose, sore mouth and mild dysphagia. She had previously been diagnosed with autoimmune disease affecting her eyes, nasal passages, oropharynx and oesophagus, for which she had received treatment with prednisolone and cyclophosphamide. Immunosuppression continued with azathioprine. She also suffered from aortic stenosis and hypothyroidism, which was treated with levothyroxine. No perinatal respiratory difficulties were known and she had never been intubated. Despite being a non-smoker, she had had frequent lower respiratory tract infections.

Physical examination showed no additional signs but chest radiography revealed ill-defined consolidation in the right upper lobe. Bronchoscopy was performed to exclude mycobacterial infection and showed an abnormal supraglottic region with a ring-like narrowing with scarring extending posteriorly from fused arytenoids through which the true vocal cords could be seen (fig 1). The laryngeal structures did not collapse with inspiration and movement of the true vocal cords was normal. No associated glottic or subglottic abnormalities were identified.

QUESTION
What is the abnormality at bronchoscopy and what are the differential diagnoses? What symptoms can arise?

See page 515.

Figure 1 Appearance of supraglottic region at bronchoscopy.

This case was submitted by:

E M Giddings,1 M V Holmes,1 D Lonsdale,1 J Rees,1 M J Gleeson2

1Department of Respiratory Medicine, Guys and St Thomas’ NHS Trust, London, UK;
2Department of Otorhinolaryngology, Guys and St Thomas’ NHS Trust, London, UK

Correspondence to: Dr E M Giddings, Department of Respiratory Medicine, Guys and St Thomas’ NHS Trust, Lambeth Palace Road, London SE1 7EH, UK; eleanor.giddings@gstt.nhs.uk

Competing interests: None.

Patient consent: Obtained.

An unusual case of dyspnoea

E M Giddings, M V Holmes, D Lonsdale, J Rees and M J Gleeson

Thorax 2009 64: 483
doi: 10.1136/thx.2008.101006

Updated information and services can be found at:
http://thorax.bmj.com/content/64/6/483

These include:

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/