



Thorax

Journal of the British Thoracic Society

Impact Factor: 7.04

Editors

A Bush (UK)
I Pavord (UK)

Deputy Editors

P Cullinan (UK)
C Lloyd (UK)

Associate Editors

R Beasley (New Zealand) D Mannino (USA)
J Brown (UK) N Maskell (UK)
A Custovic (UK) JL Pepin (France)
A Fisher (UK) T Sethi (UK)
P Gibson (Australia) M Steiner (UK)
J Grigg (UK) D Thickett (UK)
R Hubbard (UK) M Whyte (UK)
A Jones (UK) H Zar (South Africa)
E Lim (UK)

Statistical Editors

J Gibson (UK)
L Tata (UK)

Images Editor

J M FitzGerald (Canada)

Lung Alert Editor

J Quint (UK)

President, British Thoracic Society

E Neville

Editorial Office

BMJ Publishing Group Ltd, BMA House,
Tavistock Square, London WC1H 9JR, UK

T: +44 (0)20 7383 6147

F: +44 (0)20 7383 6668

E: thorax@bmjgroup.com

ISSN: 0040-6376 (print)

ISSN: 1468-3296 (online)

Disclaimer: *Thorax* is owned and published by the British Thoracic Society and BMJ Publishing Group Ltd, a wholly owned subsidiary of the British Medical Association. The owners grant editorial freedom to the Editor of *Thorax*.

Thorax follows guidelines on editorial independence produced by the World Association of Medical Editors and the code on good publication practice of the Committee on Publication Ethics.

Thorax is intended for medical professionals and is provided without warranty, express or implied. Statements in the Journal are the responsibility of their authors and advertisers and not authors' institutions, the BMJ Publishing Group Ltd, the British Thoracic Society or the BMA unless otherwise specified or determined by law. Acceptance of advertising does not imply endorsement.

To the fullest extent permitted by law, the BMJ Publishing Group Ltd shall not be liable for any loss, injury or damage resulting from the use of *Thorax* or any information in it whether based on contract, tort or otherwise. Readers are advised to verify any information they choose to rely on.

Copyright: © 2011 BMJ Publishing Group Ltd and the British Thoracic Society. All rights reserved; no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without the prior permission of *Thorax*.

Thorax is published by BMJ Publishing Group Ltd, typeset by TNQ Books & Journals, Chennai, India and printed in the UK on acid-free paper by Latimer Trend & Co Ltd, Plymouth.

Thorax (ISSN No: 0040-6376) is published monthly by BMJ Publishing Group and distributed in the USA by Mercury International Ltd. Periodicals postage paid at Rahway, NJ.

POSTMASTER: send address changes to *Thorax*, Mercury International Ltd, 365 Blair Road, Avenel, NJ, 07001, USA.

Contents

Volume 66 Issue 2 | THORAX February 2011

Editorials

- 91 New year resolutions
A Bush, I Pavord
- 92 Who bears the costs of occupational asthma?
P S Burge
- 93 What's nice about the new NICE guideline?
J O'Reilly, M Rudolf

Sleep disordered breathing

- 97 Developing a pictorial Epworth Sleepiness Scale
R Ghiassi, K Murphy, A R Cummin, M R Partridge

Chronic obstructive pulmonary disease

- 101 Antinuclear autoantibodies are more prevalent in COPD in association with low body mass index but not with smoking history
HPJ Bonarius, C A Brandsma, H A M Kerstjens, J A Koerts, M Kerkhof, E Nizankowska-Mogilnicka, C Rozenendaal, D S Postma, W Timens

- 108 Development of disability in chronic obstructive pulmonary disease: beyond lung function
M D Eisner, C Iribarren, P D Blanc, E H Yelin, L Ackerson, N Byl, T A Omachi, S Sidney, P P Katz

- 115 Significance of changes in endurance shuttle walking performance
V Pepin, L Laviolette, C Brouillard, L Sewell, S J Singh, S M Revill, Y Lacasse, F Maltais

- 121 Effects of exercise on mitochondrial DNA content in skeletal muscle of patients with COPD
L Puente-Maestu, A Lázaro, A Tejedor, S Camaño, M Fuentes, M Cuervo, B O Navarro, A Agustí

Asthma

- 128 Costs of occupational asthma in the UK
J G Ayres, R Boyd, H Cowie, J F Hurley



Tuberculosis

- 134 Twelve-monthly versus six-monthly radiological screening for active case-finding of tuberculosis: a randomised controlled trial
G J Churchyard, K Fielding, S Roux, E L Corbett, R E Chaisson, K M De Cock, R J Hayes, A D Grant

Cystic fibrosis

- 140 High concentrations of pepsin in bronchoalveolar lavage fluid from children with cystic fibrosis are associated with high interleukin-8 concentrations
P McNally, E Irvine, M D Shields, B D Dimitrov, B El Nazir, C C Taggart, C M Greene, N G McElvaney, P Grealley

Interstitial lung disease

- 144 Sarcoidosis is a Th1/Th17 multisystem disorder
M Facco, A Cabrelle, A Teramo, V Olivieri, M Gnoato, S Teolato, E Ave, C Gattazzo, G P Fadini, F Calabrese, G Semenzato, C Agostini

Airway pathology

- 151 Characterisation of bronchus-associated lymphoid tissue and antigen-presenting cells in central airway mucosa of children
I Heier, K Malmström, A Sajantila, J Lohi, M Mäkelä, F L Jahnsen

Paediatric lung disease

- 157 Lung function, airway remodelling and inflammation in symptomatic infants: outcome at 3 years
K Malmström, A S Pelkonen, L P Malmberg, S Sarna, H Lindahl, M Kajosaari, M Turpeinen, S Saglani, A Bush, T Haahtela, P K Jeffery, M J Mäkelä

MORE CONTENTS ►

Cover credit: Macrophage engulfing tuberculosis vaccine. Coloured scanning electron micrograph (SEM) of a macrophage white blood cell engulfing Mycobacterium bovis bacteria (yellow). This is the BCG (bacillus of Calmette-Guérin) strain of the bacteria, used in the vaccination for tuberculosis (TB). The bacteria is live but attenuated (weakened). The macrophage engulfs (phagocytoses) the bacteria and destroys them. The vaccine primes the immune system, without causing disease, so that it responds more rapidly if infected with TB bacteria. Magnification: ×2,900 when printed 10 centimetres wide / SCIENCE PHOTO LIBRARY.



This article has been chosen by the Editor to be of special interest or importance and is freely available online.



Articles carrying the Unlocked Logo are freely available online under the BMJ Journals unlocked scheme. See <http://thorax.bmj.com/info/unlocked.dtl>

C O P E COMMITTEE ON PUBLICATION ETHICS

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

www.publicationethics.org.uk



When you have finished with this magazine please recycle it.

Thorax: first published as on 1 February 2011. Downloaded from <http://thorax.bmj.com/> on May 25, 2022 by guest. Protected by copyright.

Tuberculosis

- 163** Impact of tuberculosis exposure at home on mortality in children under 5 years of age in Guinea-Bissau

V F Gomes, A Andersen, C Wejse, I Oliveira, F J Vieira, L C Joaquim, C S Vieira, P Aaby, P Gustafson

Review series

- 170** Ventilator modes and settings during non-invasive ventilation: effects on respiratory events and implications for their identification

C Rabec, D Rodenstein, P Leger, S Rouault, C Perrin, J Gonzalez-Bermejo, on behalf of the SomnoNIV group

PostScript

- 179** Letters

Miscellanea

- 107** Lung alert: No sedation in mechanical ventilation is associated with increased ventilator-free days

Z Puthucheary

- 127** Lung alert: Lactate clearance is not inferior to central venous oxygen saturation as a goal in early sepsis resuscitation

A Dunscombe

- 133** Pulmonary puzzle: An unusual case of diaphragm paralysis

S Freilich, J C Janssen, M I Polkey

Images in Thorax

- 182** Finger-in-glove sign in bronchial atresia

Y Nussbaumer-Ochsner, M Kohler