



Journal of the British Thoracic Society
Impact Factor: 6.84

Editors

A Bush (UK)
 I Pavord (UK)

Deputy Editors

P Cullinan (UK)
 C Lloyd (UK)

Associate Editors

R Beasley (New Zealand)	E Lim (UK)
J Brown (UK)	N Maskell (UK)
R Buhl (Germany)	JL Papin (France)
JC Celedón (USA)	T Sethi (UK)
A Custovic (UK)	M Steiner (UK)
A Fisher (UK)	D Thickett (UK)
P Gibson (Australia)	A Torres (Spain)
J Grigg (UK)	Z Udawadia (India)
D Halpin (UK)	H Zar (South Africa)
A Jones (UK)	

Statistical Editors

J Gibson (UK)
 T McKeever (UK)

Statistician

L Szatkowski (UK)

Journal club Editor

J Quint (UK)

President, British Thoracic Society

A Greening

Editorial Office

BMJ Publishing Group Ltd, BMA House,
 Tavistock Square, London WC1H 9JR, UK
 T: +44 (0)20 7383 6373
 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 their 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: © 2012 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 Techset and printed in the UK on acid-free paper.

Thorax (ISSN No: 0040-6376) is published monthly by BMJ Publishing Group and distributed in the USA by Air Business Ltd. Periodicals postage paid at Jamaica NY 11431. POSTMASTER: send address changes to *Thorax*, Air Business Ltd, c/o Worldnet Shipping Inc., 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA.

Editorials

935 Natural history of successive COPD exacerbations

J A Wedzicha, G C Donaldson

936 β -Blockers for COPD inpatients

S Suissa, P Ernst

938 Hot of the breath: Mortality as a primary end-point in IPF treatment trials: the best is the enemy of the good

A U Wells, J Behr, U Costabel, V Cottin, V Poletti, L Richeldi

Original articles

Asthma

941 The association between tobacco and the risk of asthma, rhinoconjunctivitis and eczema in children and adolescents: analyses from Phase Three of the ISAAC programme

E A Mitchell, R Beasley, U Keil, S Montefort, J Odhiambo, and the ISAAC Phase Three Study Group

950 Maternal late-pregnancy serum 25-hydroxyvitamin D in relation to childhood wheeze and atopic outcomes

K C Pike, H M Inskip, S Robinson, J S Lucas, C Cooper, N C Harvey, K M Godfrey, G Roberts, the Southampton Women's Survey Study Group

Chronic obstructive pulmonary disease

957 Long-term natural history of chronic obstructive pulmonary disease: severe exacerbations and mortality

S Suissa, S Dell'Aniello, P Ernst

964 Air travel and chronic obstructive pulmonary disease: a new algorithm for pre-flight evaluation

A Edvardsen, A Akerø, C C Christensen, M Ryg, O H Skjønberg

970 The DECAF Score: predicting hospital mortality in exacerbations of chronic obstructive pulmonary disease

J Steer, J Gibson, S C Bourke

977 Association between β -blocker therapy and outcomes in patients hospitalised with acute exacerbations of chronic obstructive lung disease with underlying ischaemic heart disease, heart failure or hypertension

M S Stefan, M B Rothberg, A Priya, P S Pekow, D H Au, P K Lindenaier

Respiratory infection

985 A decoy receptor 3 analogue reduces localised defects in phagocyte function in pneumococcal pneumonia



H M Marriott, M Daigneault, A A R Thompson, S R Walmsley, S K Gill, D R Witches, V J Wroblewski, P G Hellewell, M K B Whyte, D H Dockrell

Respiratory research

993 Evaluation of pulmonary disease using static lung volumes in primary ciliary dyskinesia

M Pifferi, A Bush, G Pioggia, D Caramella, G Tartarico, M Di Cicco, M Zangani, I Chinellato, F Maggi, G Tezza, P Macchia, A Boner

Sleep disordered breathing

1000 Utility of overnight pulse oximetry and heart rate variability analysis to screen for sleep-disordered breathing in chronic heart failure

N R Ward, M R Cowie, S D Rosen, V Roldao, M De Villa, T A McDonagh, A Simonds, M J Morrell

Review

1006 Immunity and bacterial colonisation in bronchiectasis

D Whitters, R Stockley

PostScript

1014 Correspondence

MORE CONTENTS ►

Cover caption: Natural history of COPD lung attacks requiring hospitalisation (see Suissa et al, page 957).



EDITOR'S CHOICE

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



OPEN ACCESS

This article has been made freely available online under the BMJ Journals Open Access scheme. See <http://thorax.bmj.com/site/about/guidelines.xhtml#open>



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.

Chest clinic**Basic science for the chest physician****1018** Vitamin D and lung disease*P E Pfeffer, C M Hawrylowicz***Images in Thorax****1021** Uncommon chronic cough caused by
Tracheobronchopathia osteochondroplastica*Y-C Chien, H-C Wang, Y-C Chang, Y-F Chen*

Miscellaneous**949** Journal club: Effects of school closure on
incidence of pandemic influenza in Alberta,
Canada*B Downie***992** Journal club: Glasgow-supported
self-management for patients with COPD*M E M Wilkie*

Notice**940** Scadding-Morrison Davies joint fellowship in
respiratory medicine 2013*I A Campbell*Receive regular table of contents by email.
Register using this QR code.