



Journal of the British Thoracic Society

Impact Factor: 8.376

Editors

A Bush (UK)
I Pavord (UK)

Deputy Editors

P Cullinan (UK)
C Lloyd (UK)

Associate Editors

R Beasley (New Zealand)	S Nathan (USA)
A Custovic (UK)	JL Pepin (France)
P Gibson (Australia)	T Sethi (UK)
J Grigg (UK)	D Sin (Canada)
D Halpin (UK)	M Steiner (UK)
ML Han (USA)	D Thickett (UK)
A Jones (UK)	A Torres (Spain)
E Lim (UK)	Z Udawadia (India)
N Maskell (UK)	H Zar (South Africa)

Online Associate Editor

T Fardon (UK)

Statistical Editors

J Gibson (UK)
T McKeever (UK)

Statistician

L Szatkowski (UK)

Journal club Editor

J Quint (UK)

President, British Thoracic Society

A Millar

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 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: © 2014 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

603 The devastating power of platelets in COPD exacerbations: can aspirin save lives in COPD?
D D Sin

604 Using absolute risks to assess the risks and benefits of treatment
M H Gail

606 Red, amber and green: the role of the lung in de-priming active systemic neutrophils
E Sapey, R A Stockley

Chronic obstructive pulmonary disease

609 Thrombocytosis is associated with increased short and long term mortality after exacerbation of chronic obstructive pulmonary disease: a role for antiplatelet therapy?
M T Harrison, P Short, P A Williamson, A Singanayagam, J D Chalmers, S Schembri

616 Benefits and harms of roflumilast in moderate to severe COPD
T Yu, K Fain, C M Boyd, S Singh, C O Weiss, T Li, R Varadhan, M A Puhan

Critical care

623 Pulmonary retention of primed neutrophils: a novel protective host response, which is impaired in the acute respiratory distress syndrome
C Summers, N R Singh, J F White, I M Mackenzie, A Johnston, C Solanki, K K Balan, A M Peters, E R Chilvers

Environmental exposure

630 Shifted T-cell polarisation after agricultural dust exposure in mice and men
P Robbe, EAJ Spiereburg, C Draijer, C A Brandsma, E Telenga, AJM van Oosterhout, M van den Berge, M Luinge, B N Melgert, D Heederik, W Timens, I M Wouters, M N Hylkema

Lung cancer

638 Systemic but not topical TRAIL-expressing mesenchymal stem cells reduce tumour growth in malignant mesothelioma
E K Sage, K K Kolluri, K McNulty, S D S Lourenco, T L Kalber, K L Ordidge, D Davies, Y C G Lee, A Giangreco, S M Janes

648 Atypical carcinoid tumours of the lung: prognostic factors and patterns of recurrence
M A Cañizares, J M Matilla, A Cueto, J Algar, I Muguruza, N Moreno-Mata, R Moreno-Balsalobre, R Guijarro, R Arrabal, E Garcia-Fontan, A Gonzalez-Piñero, M Garcia-Yuste, EMETNE-SEPAR Members

Paediatric lung disease

654 Carbon in airway macrophages from children with asthma
R E Brugha, N Mushtaq, T Round, D H Gadhvi, I Dundas, E Gaillard, L Koh, L J Fleming, D J Lewis, M Sanak, H E Wood, B Barratt, I S Mudway, F J Kelly, C J Griffiths, J Grigg

Respiratory epidemiology

660 Epidemiological time series studies of PM_{2.5} and daily mortality and hospital admissions: a systematic review and meta-analysis
R W Atkinson, S Kang, H R Anderson, I C Mills, H A Walton

Review

666 Lessons from ECLIPSE: a review of COPD biomarkers
R Faner, R Tal-Singer, J H Riley, B Celli, J Vestbo, W MacNee, P Bakke, P M A Calverley, H Coxson, C Crim, L D Edwards, N Locantore, D A Lomas, B E Miller, S I Rennard, E F M Wouters, J C Yates, E K Silverman, A Agusti, on behalf of the ECLIPSE Study Investigators

MORE CONTENTS ►

Cover caption: Induced sputum airway macrophages from children showing phagocytosed inhaled carbon (see Brugha et al., page 654).



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



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

<http://publicationethics.org/>



When you have finished with this magazine please recycle it.

Research letter

- 673** The impact of azithromycin therapy on the airway microbiota in asthma



OPEN ACCESS

M Slater, D W Rivett, L Williams, M Martin, T Harrison, I Sayers, K D Bruce, D Shaw

PostScript

- 675** Correspondence

Chest clinic**Audit, research and guideline update**

- 679** Cost effectiveness of endosonography versus surgical staging in potentially resectable lung cancer: a health economics analysis of the ASTER trial from a European perspective

R C Rintoul, M J Glover, C Jackson, V Hughes, K G Tournoy, C Dooms, J T Annema, L D Sharples

Basic science for the chest physician

- 682** Protease-mediated ectodomain shedding
P Clark

Case based discussions

- 685** Recurrent pneumothoraces in a 17-year-old man with mixed connective tissue disease
C McBrien, A Penketh, H Johnson, A G Nicholson, A Wells

Images in thorax

- 687** A unique pulmonary vascular pattern: bilateral anomalous single pulmonary veins
A S Souza Jr, L S de Souza, G Zanetti, E Marchiori

Journal club summaries

- 688** What's hot the other lot got
B Prudon

Miscellanea

- 622** Journal club: Hospitalisation rates for pneumonia following the introduction of a pneumococcal vaccination
W Jones
- 672** Corrections

Receive regular table of contents by email.
Register using this QR code.

