



Journal of the British Thoracic Society

Impact Factor: 8.562

Editors-in-Chief

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 Udvardi (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

Thorax, BMA House, Tavistock Square,
London WC1H 9JR, UK
T: +44 (0)20 7383 6373
E: thorax@bmj.com

Twitter: @ThoraxBMJ

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: © 2015 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.

Contents

Volume 70 Issue 2 | THORAX February 2015

Editorials

- 103** Growing old(er) with postinfectious bronchiolitis obliterans

P Cullinan, A Bush

- 105** Asthma biomarkers: what constitutes a 'gold standard'?

J R Arron, K Izuhara

- 108** Deprivation, distance and death in lung cancer

M D Peake

- 110** PRO: confronting resistance to rule-based medicine is essential to improving outcomes

J D Blakey, M Brown, J Pinchin, M Barley, S Sharples

- 112** CON: encouraging resistance to rule-based medicine is essential to improving outcomes

M Rosenthal

Biomarkers of disease

- 115** External validation of blood eosinophils, FE_{NO} and serum periostin as surrogates for sputum eosinophils in asthma

A H Wagener, S B de Nijs, R Lutter, A R Sousa, E J M Weersink, E H Bel, P J Sterk

Chronic obstructive pulmonary disease

- 121** Mortality trends in women and men with COPD in Ontario, Canada, 1996–2012

A Gershon, J Hwee, J C Victor, A Wilton, R Wu, A Day, T To

Critical care

- 127** Thoracentesis outcomes: a 12-year experience

M J Ault, B T Rosen, J Scher, J Feinglass, J H Barsuk

Environmental exposure

- 133** The effect of oxidative stress polymorphisms on the association between long-term black carbon exposure and lung function among elderly men

I Mordukhovich, J Lepeule, B A Coull, D Sparrow, P Vokonas, J Schwartz

Lung cancer

- 138** The role of receipt and timeliness of treatment in socioeconomic inequalities in lung cancer survival: population-based, data-linkage study

L F Forrest, J Adams, G Rubin, M White

- 146** The impact of the 'hub and spoke' model of care for lung cancer and equitable access to surgery

A Khakwani, A L Rich, H A Powell, L J Tata, R A Stanley, D R Baldwin, J P Duffy, R B Hubbard

- 152** Survival of Australian lung cancer patients and the impact of distance from and attendance at a thoracic specialist centre: a data linkage study

E Tracey, B McCaughan, T Badger-Parker, J Young, B Armstrong

- 161** What characteristics of primary care and patients are associated with early death in patients with lung cancer in the UK?

E L O'Dowd, T M McKeever, D R Baldwin, S Anwar, H A Powell, J E Gibson, B Iyen-Omofoman, R B Hubbard

Paediatric lung disease

- 169** Pulmonary function of a paediatric cohort of patients with postinfectious bronchiolitis obliterans. A long term follow-up

A J Colom, A Maffey, F G Bourmisen, A Teper

Review

- 175** Linear endobronchial ultrasonography: a novelty turned necessity for mediastinal nodal assessment

R C Rintoul, R Ahmed, B Dougherty, N R Carroll

MORE CONTENTS ►

Cover caption: Radiology investigations of patient with disseminated *Conidiobolus* (see Khatami A, *et al.*, page 194).



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>



COMMITTEE ON PUBLICATION ETHICS

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 letters

- 181** Markers of inflammation: data from the MOSAIC randomised trial of CPAP for minimally symptomatic OSA

J R Stradling, S E Craig, M Kohler, D Nicoll, L Ayers, A J Nunn, D J Bratton

- 183** UK trainee experience in interstitial lung disease: results from a British Thoracic Society survey

C Sharp, T M Maher, S Welham, M Gibbons

PostScript

- 184** Correspondence

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

- 186** A new instrument to assess physician skill at chest tube insertion: the TUBE-iCOMPT

M R Salamonsen, F Bashirzadeh, A J Ritchie, H E Ward, D I K Fielding

- 189** Pleural procedures and patient safety: a national BTS audit of practice

C E Hooper, S A Welham, N A Maskell, on behalf of the British Thoracic Society

- 192** Role of CT in assessing pleural malignancy prior to thoracoscopy

R J Hallifax, M Haris, J P Corcoran, S Leyakathalikhhan, E Brown, D Srikantharaja, A Manuel, F V Gleeson, M Munavvar, N M Rahman

Case based discussions

- 194** Mediastinal mass in a healthy adolescent at The Children's Hospital at Westmead, Australia

A Khatami, A C Outhred, P N Britton, E Huguon, D J E Lord, M Wong, A Charlton, A M Kesson, D Isaacs

Opinion

- 198** Pneumococcal vaccination for welders

D Coggon, E C Harris, V Cox, K T Palmer

Images in thorax

- 200** Stomach versus lungs: the case of a giant hiatal hernia

E Soon, C Vickery, T Pulimood

Journal club summaries

- 202** What's hot that the other lot got

S. Rolin

Corrections

- 180, 182, 201** Corrections

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

