



Journal of the British Thoracic Society

Impact Factor: 8.121

Editors-in-Chief

N Hart (UK)
G Jenkins (UK)
AR Smyth (UK)

Deputy Editors

N Kaminski (USA)
M Rosenfeld (USA)

Associate Editors

R Chambers (UK)	J-L Pepin (France)
T Coleman (UK)	M Polkey (UK)
GJ Criner (USA)	J Quint (UK)
J Davies (UK)	N Rahman (UK)
A Floto (UK)	S Shaheen (UK)
M Griffiths (UK)	R Stevens (USA)
L Heaney (UK)	M Tobin (UK)
S Janes (UK)	A Vonk noordegraaf (The Netherlands)
B Kampman (UK)	C Wainwright (Australia)
M Kolb (USA)	T Wilkinson (UK)
B Mokheles (USA)	
P O'Byrne (Canada)	

Online Content Editor

N Hopkinson (UK)

Statistical Editors

V Cornelius (UK)
A Douiri (UK)
J Gibson (UK)
N Hamblett (USA)
D Lederer (USA)
R Szczesniak (USA)
B Wagner (USA)

Journal Club Editor

J Quint (UK)

President, British Thoracic Society

MDL Morgan

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: © 2016 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 Nova Techtset Private Limited, Bengaluru & Chennai, India 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

675 Repositioning compounds from cancer drug discovery to IPF: PI3K inhibition
C A Staab-Weijnitz, O Eickelberg

677 Efficacy of CPAP modalities in lowering blood pressure in OSA: does the method used to measure blood pressure matter?
B Mokheles, J R Carter

679 Deciphering clinical phenotypes in acute viral lower respiratory tract infection: Bronchiolitis is not an island
S Cunningham, H Nair, H Campbell

681 Can routine genetic testing help to end TB transmission?
M Dedicoat, G S Cooke

Bronchiectasis

683 The validity of health-related quality of life questionnaires in bronchiectasis: a systematic review and meta-analysis
A Spinou, K C Fragkos, K K Lee, C Elston, R J Siegert, M R Loebinger, R Wilson, R Garrod, S S Birring

Cough

695 A child chronic cough-specific quality of life measure: development and validation
P A Newcombe, J K Sheffield, H L Petsky, J M Marchant, C Willis, A B Chang

Interstitial lung disease

701 Exploration of a potent PI3 kinase/mTOR inhibitor as a novel anti-fibrotic agent in IPF
P F Mercer, H V Woodcock, J D Eley, M Platé, M G Sulikowski, P F Durrenberger, L Franklin, C B Nanthakumar, Y Man, F Genovese, R J McAnulty, S Yang, T M Maher, A G Nicholson, A D Blanchard, R P Marshall, P T Lukey, R C Chambers

Respiratory infection

712 A clustering approach to identify severe bronchiolitis profiles in children
O Dumas, J M Mansbach, T Jartti, K Hasegawa, A F Sullivan, P A Piedra, C A Camargo Jr

Sleep

719 Maternal sleep-disordered breathing and the risk of delivering small for gestational age infants: a prospective cohort study
S Pamidi, I Marc, G Simoneau, L Lavigne, A Olha, A Benedetti, F Sérès, W Fraser, F Audibert, E Bujold, R Gagnon, K Schwartzman, R J Kimoff

726 Fixed-pressure CPAP versus auto-adjusting CPAP: comparison of efficacy on blood pressure in obstructive sleep apnoea, a randomised clinical trial
J L Pépin, R Tamisier, J P Baguet, B Lepaulle, F Arbib, N Arnol, J F Timsit, P Lévy

Tuberculosis

734 The prospective evaluation of the TB strain typing service in England: a mixed methods study
J Mears, E Vynnycky, J Lord, M W Borgdorff, T Cohen, D Crisp, J A Innes, M Lilley, H Maguire, T D McHugh, G Wolmann, I Abubakar, P Sonnenberg

742 Identifying areas and risk groups with localised *Mycobacterium tuberculosis* transmission in northern England from 2010 to 2012: spatiotemporal analysis incorporating highly discriminatory genotyping data
M Saavedra-Campos, W Welfare, P Cleary, A Sails, A Burkeitt, D Hungerford, E Okereke, P Acheson, M Petrovic

749 Recent TB transmission, clustering and predictors of large clusters in London, 2010–2012: results from first 3 years of universal MIRU-VNTR strain typing
E L Hamblion, A Le Menach, L F Anderson, M K Lalor, T Brown, I Abubakar, C Anderson, H Maguire, S R Anderson, on behalf of the Public Health England Strain Typing Project Board

MORE CONTENTS ►

Cover caption: Akt phosphorylation co-localised within fibrotic foci, macrophages and bronchial epithelium in the idiopathic pulmonary fibrosis lung (see Mercer PF, et al., page 703).

This article has been chosen by the Editors 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://journals.bmj.com/site/authors/openaccess.xhtml>

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics
<http://publicationethics.org/>

equator network

recycle
When you have finished with this magazine please recycle it.

Research letters

757 Lung cancer tissue diagnosis in poor lung function: addressing the ongoing percutaneous lung biopsy FEV₁ paradox using Heimlich valve
R Abdullah, A N Tavaré, A Creamer, D Creer, R Vancheeswaran, S S Hare

759 Nasal high flow oxygen therapy in patients with COPD reduces respiratory rate and tissue carbon dioxide while increasing tidal and end-expiratory lung volumes: a randomised crossover trial



OPEN ACCESS

J F Fraser, A J Spooner, K R Dunster, C M Anstey, A Corley

762 EBUS-guided mediastinal lung cancer staging: monitoring of quality standards improves performance

M Evison, P Crosbie, J Martin, R Shah, H Doran, Z Borrill, J Hoyle, D Rana, S Bailey, R Booton

Chest clinic**Case based discussions**

764 Treatment failure due to use of a 'ramp' option on pressure support home ventilators

J Gonzalez-Bermejo, C Rabec, C Perrin, B Langevin, J L Pepin, D Rodenstein, J P Janssens, on behalf of the SomnoNIV group

Opinion

767 Why vessels do matter in pulmonary disease
J Aman, H J Bogaard, A V Noordegraaf

Images in thorax

770 Nitinol stent insertion in tracheomalacia
C Pizarro, D Dabir, G Nickenig, D Skowasch

772 An unusual cause of shortness of breath in a young boy
T Yang, J Yang, J Li, J Pan, Y Zou

774 Bochdalek hernia as unusual cause of massive hydrothorax in a 50-year-old man
Q Sun, B-Y Wang, Q-S Wang, Q Tan

Journal club summaries

776 What's hot that the other lot got
B Soar