



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 Udawadia (India)
N Maskell (UK)	H Zar (South Africa)

**Online Associate Editor**

T Fardon (UK)

**Statistical Editors**

J Gibson (UK)  
T McKeever (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](mailto: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.

**Editorials**

- 711** Prostanoids as anti-inflammatory therapy: separating the good from the bad  
*A J Knox*
- 713** New insights in the pathophysiology of chronic intermittent hypoxia-induced NASH: the role of gut–liver axis impairment  
*J Aron-Wisniewsky, J-L Pepin*
- 716** Pulmonary nodules: bringing order out of chaos  
*A Morgan, M Slade*

**HOT off the breath**

- 718** Preventing out-of-hospital asthma deaths  
*W F S Sellers*

**Chronic obstructive pulmonary disease**

- 719** Longitudinal shape irregularity of airway lumen assessed by CT in patients with bronchial asthma and COPD  
*T Oguma, T Hirai, M Fukui, N Tanabe, S Marumo, H Nakamura, H Ito, S Sato, A Niimi, I Ito, H Matsumoto, S Muro, M Mishima*
- 725** Incidental findings on chest CT imaging are associated with increased COPD exacerbations and mortality  
*P M Jairam, Y van der Graaf, J-W J Lammers, W P Th M Mali, P A de Jong, on behalf of the PROVIDI Study group*

**Respiratory research**

- 732** Aerobic training decreases bronchial hyperresponsiveness and systemic inflammation in patients with moderate or severe asthma: a randomised controlled trial  
*A França-Pinto, F A R Mendes, R M de Carvalho-Pinto, R C Agondi, A Cukier, R Sliemach, B M Saraiva-Romanholo, J Kalil, M A Martins, P Giavina-Bianchi, C R F Carvalho*
- 740** Anti-inflammatory effects of PGE<sub>2</sub> in the lung: role of the EP<sub>4</sub> receptor subtype  
*M A Birrell, S A Maher, B Dekkak, V Jones, S Wong, P Brooke, M G Belvisi*
- 748** Lebrikizumab in moderate-to-severe asthma: pooled data from two randomised placebo-controlled studies  
*N A Hanania, M Noonan, J Corren, P Korenblatt, Y Zheng, S K Fischer, M Cheu, W S Putnam, E Murray, H Scheerens, C TJ Holweg, R Maciuga, S Gray, R Doyle, D McClintock, J Olsson, J G Matthews, K Yen*

- 757** The development and first validation of the Manchester Early Morning Symptoms Index (MEMSI) for patients with COPD  
*A P Garrow, N Khan, S Tyson, J Vestbo, D Singh, J Yorke*

**Thoracic surgery**

- 764** Outcome of surgery versus radiotherapy after induction treatment in patients with N2 disease: systematic review and meta-analysis of randomised trials  
*P J McElroy, A Choong, E Jordan, F Song, E Lim*

**Sleep**

- 769** Altered gut–liver axis and hepatic adiponectin expression in OSAS: novel mediators of liver injury in paediatric non-alcoholic fatty liver  
*V Nobili, A Alisi, R Cutrera, G Carpino, C De Stefanis, V D’Oria, R De Vito, S Cucchiara, E Gaudio, G Musso*

**Review**

- 782** Non-coding RNAs in the pathogenesis of COPD  
*E G De Smet, P Mesdagh, J Vandesompele, G G Brusselle, K R Bracke*

**PostScript**

- 792** Correspondence

MORE CONTENTS ►

**Cover caption:** Schema of the longitudinal central line in the airway lumen, from which different radius measurements were made from the carina (start) to the fifth-order branch of the right posterior basal bronchus. (see Oguma T, et al., page 719).



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/>



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

- 794** The British Thoracic Society guidelines on the investigation and management of pulmonary nodules

*D R Baldwin, M EJ Callister, On behalf of the members of the Guideline Development Group*

- 799** The Study Team for Early Life Asthma Research (STELAR) consortium 'Asthma e-lab': team science bringing data, methods and investigators together



OPEN ACCESS

*A Custovic, J Ainsworth, H Arshad, C Bishop, I Buchan, P Cullinan, G Devereux, J Henderson, J Holloway, G Roberts, S Turner, A Woodcock, A Simpson*

**Case based discussions**

- 802** Iatrogenic injury to the intercostal artery: aetiology, diagnosis and therapeutic intervention

*I Psallidas, E J Helm, N A Maskell, L Yarmus, D J Feller-Kopman, F V Gleeson, N M Rahman*

**Opinion**

- 805** Comprehensive respiratory assessment in advanced COPD: a 'campus to clinic' translational framework

*M C Steiner, R A Evans, N J Greening, R C Free, G Wolzmann, N Toms, M D Morgan*

**Images in thorax**

- 809** Endobronchial lipoma mimicking bronchial carcinoid tumour

*Y Nussbaumer-Ochsner, F Rassouli, F Uhlmann, R Thurnheer*

**Journal club summaries**

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

*K Prior*

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

