



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

D Baldwin (UK)	P O'Byrne (Canada)
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)	K Robinson (USA)
M Griffiths (UK)	S Shaheen (UK)
L Heaney (UK)	R Stevens (USA)
N Hopkinson (UK)	A Vonk Noordegraaf (The Netherlands)
S Janes (UK)	C Wainwright (Australia)
B Kampman (UK)	T Wilkinson (UK)
M Kolb (Canada)	
B Mohkelesi (USA)	

Statistical Editors

V Cornelius (UK)  
A Douiri (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](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:** © 2017 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 Techset 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

**199** Progress in respiratory management of bulbar complications of motor neuron disease/amyotrophic lateral sclerosis?  
*A K Simonds*



**202** Do farm-grown lungs breathe better?  
*J Genuneit, E von Mutius*

**204** COPD+ OSA: can two bad things be good for you?  
*F Laghi, R L Owens*

Asthma

**206** Cured meat intake is associated with worsening asthma symptoms  
*Z Li, M Rava, A Bédard, O Dumas, J Garcia-Aymerich, B Leynaert, C Pison, N Le Moual, I Romieu, V Siroux, C A Camargo Jr, R Nadif, R Varraso*



Interstitial lung disease

**213** Lung disease caused by ABCA3 mutations  
*C Kröner, T Wittmann, S Reu, V Teusch, M Klemme, D Rauch, M Hengst, M Kappler, N Cobanoglu, T Sismanlar, A T Aslan, I Campo, M Proesmans, T Schaible, S Terheggen-Lagro, N Regamey, E Eber, J Seidenberg, N Schwerk, C Aslanidis, P Lohse, F Brasch, R Zarbock, M Griese*

Non-invasive ventilation

**221** Laryngeal response patterns influence the efficacy of mechanical assisted cough in amyotrophic lateral sclerosis  
*T Andersen, A Sandnes, A K Brekke, M Hilland, H Clemm, O Fondenes, O-B Tysnes, J-H Heimdal, T Halvorsen, M Vollsæter, O D Røksund*

**230** Relieving dyspnoea by non-invasive ventilation decreases pain thresholds in amyotrophic lateral sclerosis  
*L Dangers, L Laviolette, M Georges, J Gonzalez-Bermejo, I Rivals, T Similowski, C Morelot-Panzini*

Respiratory epidemiology

**236** The effects of growing up on a farm on adult lung function and allergic phenotypes: an international population-based study  
*B Campbell, C Raheison, C J Lodge, A J Lowe, T Gislason, J Heinrich, J Sunyer, F G Real, D Norbäck, M C Matheson, M Wjst, J Dravva, R de Marco, D Jarvis, V Schlänsen, C Janson, B Leynaert, C Svanes, S C Dharmage*

Respiratory research

**245** Immature monocytes contribute to cardiopulmonary bypass-induced acute lung injury by generating inflammatory descendants  
*Z Xing, J Han, X Hao, J Wang, C Jiang, Y Hao, H Wang, X Wu, L Shen, X Dong, T Li, G Li, J Zhang, X Hou, H Zeng*

Sleep

**256** Coexistence of OSA may compensate for sleep related reduction in neural respiratory drive in patients with COPD  
*B-T He, G Lu, S-C Xiao, R Chen, J Steier, J Moxham, M I Polkey, Y-M Luo*



Tuberculosis

**263** The effect of diabetes control status on treatment response in pulmonary tuberculosis: a prospective study  
*Y S Yoon, J-W Jung, E J Jeon, H Seo, Y J Ryu, J-J Yim, Y H Kim, B-H Lee, Y B Park, B J Lee, H Kang, J C Choi*

MORE CONTENTS ►

Cover caption: Macroscopic and histological appearance of placental lung transmogrification (see Brüstle K, et al., page 285).



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://authors.bmj.com/open-access/>



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



**State of the art review**

- 271**  $\beta$ -Blockers, heart disease and COPD: current controversies and uncertainties  
*J G Baker, R G Wilcox*

**Research letters**

- 277** Endobronchial valves for patients with heterogeneous emphysema and without interlobar collateral ventilation: open label treatment following the BeLieVeR-HiFi study  
*Z Zoumot, C Davey, S Jordan, W H McNulty, D H Carr, M D Hind, M I Polkey, P L Shah, N S Hopkinson*

- 280** Histologist's original opinion compared with multidisciplinary team in determining diagnosis in interstitial lung disease  
*P S Burge, J Reynolds, S Trotter, G A Burge, G Walters*

**Chest clinic****Case based discussion**

- 282** Pott's disease: a major issue for an unaccompanied refugee minor  
*C Papan, U von Both, M Kappler, B Kammer, M Griese, J Huebner*

**Images in thorax**

- 284** Placental transmogrification of the lung presenting as progressive symptomatic bullous emphysema  
*K Brüstle, S Lema, P Komminoth, W Weder, B Vrugt, W Jungraithmayr*

- 286** Prevention of sudden cardiac death by the wearable cardioverter defibrillator in a young patient with cardiac sarcoidosis  
*R Andrić, F C Gaertner, D Skowasch*

- 288** Large airways nodularity secondary to tracheobronchopathia osteochondroplastica  
*J P Corcoran, J M Wrightson, A J Moore, F V Gleeson, A Sykes*

- 290** The pressure-dependent air leak after partial lung resection  
*A Chopra, P Doelken, M A Judson, T Huggins*

**Obituary**

- 292** Professor Neil Pride  
*P J Barnes, M Hughes*

**Journal club summaries**

- 294** What's hot that the other lot got  
*C Lee*

**PostScript**

- 201, 220, 229, 235, 262, 270** Corrections  
**287** Withdrawn notices