



Journal of the British Thoracic Society

Impact Factor: 8.272

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

Statistical Editors

A Douiri (UK)
C Flach (UK)
C Jackson (UK)
S Stanojevic (USA)
R Szczesniak (USA)
B Wagner (USA)
Y Wang (UK)

Journal Club Editor

J Quint (UK)

President, British Thoracic Society

Professor E Chilvers

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: © 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 Exeter Premedia Services Private Ltd, 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.

Contents

Volume 72 Issue 9 | THORAX September 2017

Editorials

771 Ambient particulate matter and COPD in China: a challenge for respiratory health research
A Hüls, T Schikowski

773 Short course treatment for MDR TB: jumping the gun?
A Turkova, B Kampmann

774 Ventilator-associated pneumonia: when is a pathogen not a pathogen?
M J Cox

776 Radiation exposure during lung cancer diagnostic work-up: how important in the wider picture?
N Watson

778 Defining the path: lung cancer CT screening in Europe
M E Callister, S M Janes

Biomarkers of disease

780 CXCL14 is a candidate biomarker for Hedgehog signalling in idiopathic pulmonary fibrosis
G Jia, S Chandriani, A R Abbas, D J DePianto, E N N'Diaye, M B Yaylaoglu, H M Moore, I Peng, J DeVoss, H R Collard, P J Wolters, J G Egen, J R Arron

Chronic obstructive pulmonary disease

788 Association between exposure to ambient particulate matter and chronic obstructive pulmonary disease: results from a cross-sectional study in China
S Liu, Y Zhou, S Liu, X Chen, W Zou, D Zhao, X Li, J Pu, L Huang, J Chen, B Li, S Liu, P Ran

796 Socio-environmental correlates of physical activity in patients with chronic obstructive pulmonary disease (COPD)
A Arbillaga-Etxarri, E Gimeno-Santos, A Barberan-Garcia, M Benet, E Borrell, P Dadvand, M Foraster, A Marin, M Monteagudo, R Rodriguez-Roisin, P Vall-Casas, J Vilaró, J Garcia-Aymerich, on behalf of the Urban Training Study Group

Critical care

803 The dynamics of the pulmonary microbiome during mechanical ventilation in the intensive care unit and the association with occurrence of pneumonia
T Zakharkina, I Martin-Loeches, S Matamoros, P Povoja, A Torres, J B Kastelijin, J J Hofstra, B de Wever, M de Jong, M J Schultz, P J Sierk, A Artigas, L D J Bos

811 Ultrasound evaluation of diaphragm function in mechanically ventilated patients: comparison to phrenic stimulation and prognostic implications
B-P Dubé, M Dres, J Mayaux, S Demiri, T Similowski, A Demoule

Lung cancer

819 Risk stratification based on screening history: the NELSON lung cancer screening study
U Yousaf-Khan, C van der Aalst, P A de Jong, M Heuvelmans, E Scholten, J Walter, K Nackaerts, H Groen, R Vliegenthart, K ten Haaf, M Oudkerk, H de Koning

MORE CONTENTS ►

Cover caption: Structural morphology of hereditary haemorrhagic telangiectasia (HHT) lung tissue and vascularity (Ackermann M, et al., page 862).



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/



When you have finished with this magazine please recycle it.

Thorax: first published as on 1 September 2017. Downloaded from http://thorax.bmj.com/ on November 2, 2024 by guest. Protected by copyright.

- 825** Mortality, survival and incidence rates in the ITALUNG randomised lung cancer screening trial
E Paci, D Puliti, A Lopes Pegna, L Carrozzi, G Picozzi, F Falaschi, F Pistelli, F Aquilini, C Ocello, M Zappa, F M Carozzi, M Mascalchi, and the ITALUNG Working Group

Orphan lung disease

- 832** Validation of a health-related quality of life instrument for primary ciliary dyskinesia (QOL-PCD)
L Behan, M W Leigh, S D Dell, A D Galvin, A L Quittner, J S Lucas

State of the art review

- 840** State of the art thoracic ultrasound: intervention and therapeutics
J P Corcoran, R Tazi-Mezalek, F Maldonado, L B Yarmus, J T Annema, C F N Koegelenberg, V St Noble, N M Rahman

Research letters

- 850** Multidrug-resistant TB in Eastern region of the EU: is the shorter regimen an exception or a rule?
Y Balabanova, L Fiebig, O Ignatyeva, V Riekestina, M Danilovits, K Jaama, E Davidaviciene, B Radiulyte, C M Popa, V Nikolayevskyy, F Drobniewski
- 853** Exposure of patients to ionising radiation during lung cancer diagnostic work-up
R C Rintoul, R Atherton, K Tweed, S Yates, E R Chilvers

Chest clinic

Case based discussions

- 856** Peer support to improve recovery following critical care discharge: a case-based discussion
J McPeake, T J Iwashyna, H Devine, P MacTavish, T Quasim
- 859** Unique radiological features of two cases of primary pulmonary diffuse large B-cell lymphoma
Y Saitoh, A Ohnishi-Amemiya, M Asano, Y Tanaka, S Yoshizawa, H Fujimoto, Y Itoh, N Nakamura, K Ohyashiki

Images in thorax

- 861** Pulmonary microvascular architecture in hereditary haemorrhagic telangiectasia
M Ackermann, S J Mentzer, W Roth, U Geisthoff, E Stoelben
- 864** Macroscopic inflammatory tracheal and endobronchial nodules in Sjögren's syndrome
H Hara, K Kuwano, S Minagawa, T Numata, J Araya, K Nakayama

Journal club summaries

- 866** What's hot that the other lot got
J Higginson

Electronic pages

- e1** Thank you to our reviewers 2016