

Journal of the British Thoracic Society

Impact Factor: 8.562

Editors-in-Chief

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

Deputy Editors

N Kaminski (USA) M Rosenfeld (USA)

Associate Editors

R Chambers (UK) T Coleman (UK) GJ Criner (USA) J Davies (UK) A Floto (UK) M Griffiths (UK) L Heaney (UK) S Janes (UK) R Kampman (LIK) M Kolb (USA) B Mohkelesi (USA) P O'Byrne (USA)

J-L Pepin (France) M Polkey (UK) J Quint (UK) N Rahman (UK) S Shaheen (UK) R Stevens (USA) M Tobin (UK) A Vonk noordegraaf (The Netherlands) C Wainwright (Australia) T Wilkinson (UK)

Online Content Editor

N Honkinson (UK)

Statistical Editors

J Gibson (UK) N Hamblett (USA) T McKeever (UK) R Szczesniak (USA)

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 there sponsibility 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

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

The first thoracic triumvirate 917 N Hart, G Jenkins, A Smyth

Does Helicobacter pylori infection modify lung development, height or simply reflect shared environmental exposures?

A W Fogarty

Vitamin D dosing for infectious and immune disorders

S T Weiss, A A Litonjua

Epidemiology of pneumothorax – finally something solid out of thin air

R J Hallifax, N M Rahman

Chronic obstructive pulmonary disease

The relationship between *Helicobacter pylori* seropositivity and COPD

M A Sze, Y-W R Chen, S Tam, D Tashkin, R A Wise, J E Connett, SF P Man, D D Sin

930

Effects of different antibiotic classes on airway bacteria in stable COPD using culture OPEN ACCESS and molecular techniques: a randomised controlled trial



S E Brill, M Law, E El-Emir, J P Allinson, P James, V Maddox, G C Donaldson, T D McHugh, W O Cookson, M F Moffatt, I Nazareth, J R Hurst, P M A Calverley, M J Sweeting, J A Wedzicha

PiSZ alpha-1 antitrypsin deficiency (AATD): pulmonary phenotype and prognosis relative to PiZZ AATD and PiMM COPD

> C E Green, S Vavalapra, I A Hampson, D Mukherjee, R A Stockley, A M Turner

Non-invasive ventilation

Parasternal electromyography to determine the relationship between patient-ventilator asynchrony and nocturnal gas exchange during home mechanical ventilation set-up

> M Ramsay, S Mandal, E-S Suh, J Steier, A Douiri, P B Murphy, M Polkey, A Simonds, N Hart

Respiratory infection

Double-blind randomised controlled trial of vitamin D₂ supplementation for the prevention of acute respiratory infection in older adults and their carers (ViDiFlu)

A R Martineau, Y Hanifa, K D Witt, N C Barnes, R L Hooper, M Patel, N Stevens, Z Enayat, Z Balayah, A Syed, A Knight, D A Jolliffe, CL Greiller, D McLaughlin, TR Venton, M Rowe, P M Timms, D Clark, Z Sadique, S M Eldridge, C J Griffiths

Nox2 up-regulation is associated with an enhanced risk of atrial fibrillation in patients with pneumonia

> F Violi, R Carnevale, C Calvieri, C Nocella, M Falcone, A Farcomeni, G Taliani, R Cangemi, in collaboration with the SIXTUS study group

Respiratory research

967 Persistence of asthma following allergen avoidance is associated with proTh2 myeloid dendritic cell activation

> A Froidure, O Vandenplas, V D'Alpaos, G Evrard, C Pilette

Smoking

974 Has growth in electronic cigarette use by

smokers been responsible for the decline in use of licensed nicotine products? Findings from repeated cross-sectional surveys

E Beard, I Brown, A McNeill, S Michie, R West

Tuberculosis

979 Screening for TB by sputum culture in high-risk groups in Copenhagen, Denmark: a novel and promising approach

> S G Jensen, N W Olsen, N Seersholm, T Lillebaek, T Wilcke, M K Pedersen, A Kok-Jensen

> > **MORE CONTENTS** ►

Cover caption: The small, white flowers of Ratema raetem or white weeping broom (see Mejri O et al., page 1004).

Photo credited to Jackie Chambers from UBC **Botanical Garden.**



OPEN ACCESS

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/





Review

984 Which individuals are at increased risk of **(**

pneumococcal disease and why? Impact of COPD, asthma, smoking, diabetes, and/or chronic heart disease on community-acquired pneumonia and invasive pneumococcal disease

A Torres, F Blasi, N Dartois, M Akova

PostScript

990 Correspondence

Chest clinic

Audit, research and quideline update

992 A care-bundles approach to improving standard of care in AECOPD admissions: results of a national project

> AM Turner, WS Lim, C Rodrigo, SA Welham, IM Calvert

995 The utility of ultrasound-guided thoracentesis and pleural biopsy in undiagnosed pleural exudates

> CFN Koegelenberg, EM Irusen, F von Groote-Bidlingmaier, J W Bruwer, EMA Batubara, AH Diacon

998 The Canadian Healthy Infant Longitudinal Development (CHILD) Study: examining developmental origins of allergy and asthma

> P Subbarao, S S Anand, A B Becker, A D Befus, M Brauer, J R Brook, J A Denburg, K T Hay Glass, M S Kobor, T R Kollmann, A L Kozyrskyj, WYWLou, PI Mandhane, GE Miller, T J Moraes, P D Pare, J A Scott, T K Takaro, S E Turvey, J M Duncan, D L Lefebvre, M R Sears, the CHILD Study investigators

1001 Variation in lung cancer resources and workload: results from the first national lung cancer organisational audit

> K Cusworth, E O'Dowd, R Hubbard, P Beckett, M D Peake, I Woolhouse

Case based discussion

1004 A case-based discussion from the Medical Intensive Care Unit of Sahloul University Hospital of Tunisia: an unusual cause of alveolar hypoventilation in a patient with COPD O Mejri, O Beji, C B Salem, H Hmouda

Images in thorax

1007 An unusual cause of pulmonary embolism M Bruyneel, A Peeters, P G Silance, S Alard, D Horn

Journal club summaries

1010 What's hot that the other lot got

J Higginson

Correction

1008 Correction

Receive regular table of contents by email

