

Journal of the British Thoracic Society

DL Jarvis (UK)

B Kampman (UK)

B Mohkelesi (USA)

J-L Pepin (France) M Polkey (UK) J Quint (UK)

N Rahman (UK) K Robinson (USA)

S Seglani (UK)

R Stevens (USA) T Wilkinson (UK)

P Wolters (USA)

Impact Factor: 9.46

Editors-in-Chief

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

Deputy Editors

N Kaminski (USA) C Wainwright (Australia)

Associate Editors

D Baldwin (UK) H Bogaard (The Netherlands) R Chambers (UK) T Coleman (UK) GJ Criner (USA)

S Christenson (USA) J Davies (UK) A Floto (UK) M Griffiths (UK)

L Heaney (UK) N Hopkinson (UK) S Janes (UK)

Statistical Editors

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

Journal Club Editor P Murphy (UK)

Multimedia Editor

R Moses (UK)

President, British Thoracic Society Professor M Woodhead

Editorial Office

Thorax, BMJ Journals, BMA House, Tavistock Square, London, WC1H 9JR, UK +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' their authors and advertisers and not authors institutions, the BMJ Publishing Group Ltd, the British Thoracic Society or theBMAunless otherwise specified or determined by law. Acceptance of advertising does not imply endorsement.

To the fullest extent permitted by law, the BMJ to the fullest extent permitted by law, the BMJ Publishing froup 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: © 2019 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 permissi

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

Thorax (ISSN No: 0040-6376) is published Thorax (ISSN No: 0040-6376) is published monthly by BMJ Publishing Group and distributed in the USA by Air Business Ltd. Penodicals 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

Contents

725 Should pulmonary rehabilitation be a standard of care in lung cancer? M C Steiner

727 Costs of case-finding uncovered: time to revisit COPD's value pyramid? IFM van Boven

Chronic obstructive pulmonary disease

730 OPEN ACCESS Model-based evaluation of the long-term cost-effectiveness of systematic case-finding for COPD in primary care

T Lambe, P Adab, R E Jordan, A Sitch, A Enocson, K Jolly, J Marsh, R Riley, M Miller, B G Cooper, A M Turner, I G Avres, R Stockley, S Greenfield, S Siebert, A Daley, K K Cheng, D Fitzmaurice,

Cystic fibrosis



Pseudomonas aeruginosa eradication therapy and risk of acquiring Aspergillus in young children with cystic fibrosis

S N Harun, N H G Holford, K Grimwood, CE Wainwright, S Hennig, On behalf of Australasian Cystic Fibrosis Bronchoalveolar Lavage (ACFBAL) study group

Interstitial lung disease

6 OPEN ACCESS PGC1 α repression in IPF fibroblasts drives a pathologic metabolic, secretory and fibrogenic

N Caporarello, J A Meridew, D L Jones, Q Tan, A I Haak, K M Choi, L I Manlove, Y S Prakash, D I Tschumperlin, G Ligresti

Lung cancer

Probability of cancer in lung nodules using sequential volumetric screening up to 12 months: the UKLS trial M W Marcus, S W Duffy, A Devaraj, B A Green, M Oudkerk, D Baldwin, J Field

768 Ozone-primed neutrophils promote early steps of tumour cell metastasis to lungs by enhancing their NET production

N Rocks, C Vanwinge, C Radermecker, S Blacher, C Gilles, R Marée, A Gillard, B Evrard, C Pequeux, T Marichal, A Noel, D Cataldo

Pleural disease

Longer symptom onset to aspiration time predicts success of needle aspiration in primary spontaneous pneumothorax C Vuillard, F Dib, I Achamlal, S Gaudry, D Roux, M Chemouny, N Javaud, D Dreyfuss, J-D Ricard,

Volume 74 Issue 8 | THORAX August 2019

Rehabilitation

Multidisciplinary home-based rehabilitation in inoperable lung cancer: a randomised controlled trial

> L Edbrooke, S Aranda, C L Granger, CF McDonald, M Krishnasamy, L Mileshkin, RA Clark, I Gordon, L Irving, L Denehy

State of the art review

Measuring lung function in airways diseases: current and emerging techniques N Petousi, N P Talbot, I Pavord, P A Robbins

Brief communications

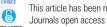
Change in type-2 biomarkers and related cytokines with prednisolone in uncontrolled severe oral corticosteroid dependent asthmatics: an interventional open-label study J Busby, CT J Holweg, A Chai, P Bradding, F Cai, R Chaudhuri, A H Mansur, J L Lordan, I G Matthews, A Menzies-Gow, R Niven, T Staton, L G Heaney

MORE CONTENTS ▶

Cover caption: Examples of airway stenting in various indications: (A) Patient 4: bronchoscopic view of the upper (1) and lower (2) extremities of a customised stent implanted for a post-transplant ACAS of the left main bronchus; (3) 7-day CT scan showing perfect congruence between the device and the airways. (see Guibert N, et al. page 813)



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/





810 Treatment of complex airway stenoses using patient-specific 3D-engineered stents: a proof-of-concept study

N Guibert, A Didier, B Moreno, B Lepage, P Leyx, G Plat, L Mhanna, M Murris, J Mazières, C Hermant

Patterns of breathlessness and associated consulting behaviour: results of an online survey A F Elbehairy, J K Quint, J Rogers, M Laffan, M I Polkey, N S Hopkinson

Pulmonary puzzles

821 Wandering consolidation



T Kawahara, N Ochi, K Kato, K Shibamoto, Y Nagasaki, N Nakagawa, H Nakanishi, H Yamane, Y Monobe, N Takigawa

Journal club summaries

823 What's hot that the other lot got *M MacLeod*

Miscellaneous

824 Correction: Outcome of surgery versus radiotherapy after induction treatment in patients with N2 disease: systematic review and meta-analysis of randomised trials

Chest clinic

Case based discussions

818 Massive haemoptysis and ventilatory failure in pregnancy

W G Flight, I Tang, A Gates, J Snowball, J M Wrightson, L Mackillop, S J Chapman