

Journal of the British Thoracic Society

Impact Factor: 8.562 Editors-in-Chief

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

Deputy Editors N Kaminski (USA) M Rosenfeld (USA)

Associate Editors

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

Online Content Editor N Hopkinson (UK)

Statistical Editors V Cornelius (UK) A Douiri (UK) J Gibson (UK) D Lederer (USA) N Mayer-Hamblett (USA)

R Szczesniak (USA) B Wagner (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@bmi.com

Twitter: @ThoraxBMJ

ISSN: 0040-6376 (print) ISSN: 1468-3296 (online)

Disclaimer: Thorax is owned and published by the Discamper: Indrax 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 theBMAunless 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, cording 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 Thorax (ISSN No: U040–63 /6) 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

Editorials

- Mental health in cystic fibrosis: turning the tide 1 T Havermans, D Staab
- 3 What defines latent infection with Mycobacterium tuberculosis in patients with autoimmune diseases?

M Sester, B Kampmann

Interstitial lung disease: time to rethink the 5 snapshot diagnosis?

D Antin-Ozerkis, M Kolb

Chronic obstructive pulmonary disease

B-Blockers are associated with a reduction in 8 COPD exacerbations

> S P Bhatt, J M Wells, G L Kinney, G R Washko Ir, M Budoff, Young-il Kim, W C Bailey, H Nath, J E Hokanson, E K Silverman, J Crapo, M T Dransfield, For the COPDGene Investigators

Efficacy and safety of long-acting β-agonist/ 15 long-acting muscarinic antagonist combinations in COPD: a network metaanalysis

Y Oba, S T Sarva, S Dias

Cystic fibrosis

International Committee on Mental Health in 26 Cystic Fibrosis: Cystic Fibrosis Foundation and 6 OPEN ACCESS European Cystic Fibrosis Society consensus statements for screening and treating depression and anxiety

A L Quittner, J Abbott, A M Georgiopoulos, L Goldbeck, B Smith, S E Hempstead, B Marshall, K A Sabadosa, S Elborn, the International Committee on Mental Health

Environmental exposure

Diesel exhaust augments allergen-induced 35 lower airway inflammation in allergic \checkmark individuals: a controlled human exposure study

C Carlsten, A Blomberg, M Pui, T Sandstrom, S W Wong, N Alexis, J Hirota

Interstitial lung disease

DITOR

Interobserver agreement for the ATS/ERS/JRS/ 45 ALAT criteria for a UIP pattern on CT

S L F Walsh, L Calandriello, N Sverzellati, A U Wells, D M Hansell, on behalf of The UIP Observer Consort

Respiratory research

- Phosphoinositide 3-kinase- δ regulates fungus-52 induced allergic lung inflammation through 6
- OPEN ACCESS endoplasmic reticulum stress K S Lee, J S Jeong, S R Kim, S H Cho, N Kolliputi, YHKo, KBLee, SCPark, HJPark, YCLee

Tuberculosis

64 Effect of immunosuppressive therapy on interferon y release assay for latent tuberculosis screening in patients with autoimmune diseases: a systematic review and meta-analysis

S H Wone, Q Gao, K K F Tsoi, W K K Wu, Lai-shan Tam, N Lee, F K L Chan, J C Y Wu, IIY Sung, S C Ng

Review

73 The molecular targets of approved treatments for pulmonary arterial hypertension 6 OPEN ACCESS

M Humbert, H-A Ghofrani

Research letters

84 Underweight as a risk factor for respiratory

death in the Whitehall cohort study: exploring 6 OPEN ACCESS reverse causality using a 45-year follow-up

M Kivimäki, M J Shipley, J A Bell, E J Brunner, G D Batty, A Singh-Manoux

MORE CONTENTS

Cover caption: Representative confocal laser immunofluorescence photomicrographs of primary cultured TECs showed the localisation of GRP78 and CHOP in controls (no treatment), Af-stimulated cells (Af), Af-stimulated cells administered drug vehicle (dimethyl sulfoxide, DMSO) (Af+DMSO), or Af-stimulated cells administered IC87114 (Af+IC) (see Lee KS, et al., page 57).



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

COPE Member since 200

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

http://publicationethics.org/

♦ recycle



When you have finished with this magazine please recycle it

Thorax: first published as on 1 January 2016. Downloaded from http://thorax.bmj.com/ on April 28, 2024 by guest. Protected by copyright.

Volume 71 Issue 1 | THORAX January 2016

86 Handgrip weakness and mortality risk in COPD: a multicentre analysis

C Burtin, G ter Riet, M A Puhan, B Waschki, J Garcia-Aymerich, V Pinto-Plata, B Celli, H Watz, M A Spruit

Chest clinic

Audit, research and guideline update

88 US Cystic Fibrosis Foundation and

B European Cystic Fibrosis Society consensus recommendations for the management of nontuberculous mycobacteria in individuals with cystic fibrosis: executive summary

> R A Floto, K N Olivier, L Saiman, C L Daley, J-L Herrmann, J A Nick, P G Noone, D Bilton, P Corris, R L Gibson, S E Hempstead, K Koetz, K A Sabadosa, I Sermet-Gaudelus, A R Smyth, J van Ingen, R J Wallace, K L Winthrop, B C Marshall, C S Haworth

91 Research in progress—LungSEARCH: a

6 randomised controlled trial of surveillance for the early detection of lung cancer in a high-risk group

S G Spiro, A Hackshaw, on behalf of the LungSEARCH Collaborative Group

Pulmonary puzzles

94 An incidental pulmonary part-solid groundglass nodule in a patient under anticoagulant therapy

J-Y Chen, H-C Lien, J-S Chen, Y-C Chang

Images in thorax

96 Pulmonary metastasised extraskeletal osteosarcoma

E M T Bots, P J Wismans, L Slobbe

97 ¹⁸F-Misonidazole PET-CT scan detection of occult bone metastasis

D R McGowan, R E Macpherson, K M Bradley, J D Fenwick, F V Gleeson, G S Higgins

Journal club summaries

98 What's hot that the other lot got *K Prior*



