



Cover: Haemophilus influenzae bacteria.
Dr Tony Brain, Science Photo Library.

Journal of the British Thoracic Society

Editor-in-Chief

J A Wedzicha (UK)

Editors

S L Johnston (UK)
D M Mitchell (UK)

President, British Thoracic Society

M R Partridge

Editorial Office

BMJ Publishing Group Ltd, BMA House,
Tavistock Square, London WC1H 9JR, UK
T: +44 (0)20 7383 6147
F: +44 (0)20 7383 6668
E: thorax@bmjgroup.com

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

Impact Factor: 6.064

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: © 2008 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 The Charlesworth Group and printed in the UK on acid-free paper by Latimer Trend & Co Ltd, Plymouth.

Periodicals postage paid, Rahway, New Jersey, USA. Postmaster: send address changes to: Thorax, c/o Mercury Airfreight International Ltd, 365 Blair Road, Avenel, NJ 07001, USA.

Editorials

- 95** Is inflammation good, bad or irrelevant for skeletal muscles in COPD?
D D Sin, W D Reid
- 96** Lung clearance index in CF: a sensitive marker of lung disease severity
J C Davies, S Cunningham, E W F W Alton, J A Innes
- 98** Ventilation inhomogeneities assessed by the multibreath washout (MBW) technique
P Latzin, C Thamrin, R Kraemer

Chronic obstructive pulmonary disease

- 100** Cytokine profile in quadriceps muscles of patients with COPD
E Barreiro, A M W J Schols, M I Polkey, J B Galdiz, H R Gosker, E B Swallow, C Coronell, J Gea, on behalf of the ENIGMA in COPD project
- 108** Bronchial mucosal dendritic cells in smokers and ex-smokers with COPD: an electron microscopic study
A V Rogers, E Ädelroth, K Hattotuwa, A Dewar, P K Jeffery
- 115** Assessing the impact of pulmonary rehabilitation on functional status in COPD
L Lavolette, J Bourbeau, S Bernard, Y Lacasse, V Pepin, M-J Breton, M Baltzan, M Rouleau, F Maltais
- 122** Counting, analysing and reporting exacerbations of COPD in randomised controlled trials
S D Aaron, D Fergusson, G B Marks, S Suissa, K L Vandemheen, S Doucette, F Maltais, J F Bourbeau, R S Goldstein, M Balter, D O'Donnell, M FitzGerald, for the Canadian Thoracic Society/Canadian Respiratory Clinical Research Consortium

Cystic fibrosis

- 129** Multiple-breath inert gas washout and spirometry versus structural lung disease in cystic fibrosis
P M Gustafsson, P A De Jong, H A W M Tiddens, A Lindblad
- 135** Lung clearance index is a sensitive, repeatable and practical measure of airways disease in adults with cystic fibrosis
A R Horsley, P M Gustafsson, K A Macleod, C Saunders, A P Greening, D J Porteous, J C Davies, S Cunningham, E W F W Alton, J A Innes

Asthma

- 141** Recombinant human deoxyribonuclease for the treatment of acute asthma in children
R Boogaard, F Smit, R Schornagel, A A P H Vaessen-Verberne, J M Kouwenberg, M Hekkelaan, T Hendriks, S W W Feith, W C J Hop, J C de Jongste, P J F M Merkus

Acute lung injury

- 147** Protection from experimental ventilator-induced acute lung injury by IL-1 receptor blockade
J A Frank, J-F Pittet, C Wray, M A Matthay

Respiratory infection

- 154** Development and evaluation of a real-time PCR assay for detection of *Pneumocystis jirovecii* DNA in bronchoalveolar lavage fluid of HIV-infected patients
J F Huggett, M S Taylor, G Kocjan, H E Evans, S Morris-Jones, V Gant, T Novak, A M Costello, A Zumla, R F Miller

Lung cancer

- 160** The epidemiology and treatment of mesothelioma in South East England 1985–2002
V Mak, E Davies, V Putcha, B Choodari-Oskoei, H Møller

Paediatrics

- 167** Heightened bronchial hyperresponsiveness in the absence of heightened atopy in children with current wheezing and low income status
J Mallol, J A Castro-Rodriguez, E Cortez, V Aguirre, P Aguilar, L Barrueto

Environmental exposure

- 172** Exposure to environmental tobacco smoke and sensitisation in children
E Lannerö, M Wickman, M van Hage, A Bergström, G Pershagen, L Nordvall

Case report

- 177** Syndrome of pleural and retrosternal “bridging” fibrosis and retroperitoneal fibrosis in patients with asbestos exposure
V Cottin, P-Y Brillet, F Combarrous, F Duperron, H Nunes, J-F Cordier

Review series

- 180** Exacerbations in cystic fibrosis: 3 · Management
A Smyth, J S Elborn

MORE CONTENTS ►



This article has been chosen by the Editor to be of specialist interest or importance and is freely available online.



Articles carrying the Unlocked Logo are freely available online under the BMJ Journals unlocked scheme. See <http://thorax.bmj.com/info/unlocked.dtl>



www.publicationethics.org.uk
This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

PostScript

- 185** Eosinophil cationic protein is not only a distinctive eosinophil protein
J Monteseirín, A Vega, Y Qiu, P K Jeffery

Miscellaneous

- 107** Lung alert: Role for Major Vault Protein in the innate immunity of respiratory epithelium
D Jenkins
- 121** Lung alert: Neuropilin 1 is important in NSCLC
T Jones
- 128** Pulmonary puzzle: A hint of calcium
S Faruqi, R Regester, M Thirumaran, S Williams

- 134** Lung alert: A new treatment proposed for lung transplant rejection
G El-Sayed
- 140** Lung alert: Extracellular ATP in asthma airway inflammation
D Parekh
- 146** Lung alert: Smoking-induced emphysema is an autoimmune process
C-G Choo

Images in Thorax

- 186** Multifocal pneumocyte hyperplasia in tuberous sclerosis
A M Nagar, H Seong Teh, R Nee Khoo, A C Morani, K Vrishni, J Raghuram