

President, British Thoracic Society: Professor P M Calverley

## Editor-in-Chief

J A Wedzicha (UK)

## Editors

S L Johnston (UK)

D M Mitchell (UK)

## Associate Editors

P M A Calverley (UK)

D A Lomas (UK)

M Dusmet (UK)

D M Mannino (USA)

J S Elborn (N Ireland)

F D Martinez (USA)

J M FitzGerald (Canada)

C Robertson (Australia)

J A Fleetham (Canada)

B Schonhofer (Germany)

N M Foley (UK)

G A Silvestri (USA)

I Hall (UK)

G I Town (New Zealand)

R Hubbard (UK)

M K B Whyte (UK)

## Statistical editors

S A Lewis (UK)

T M McKeever (UK)

## Images editors

J M FitzGerald (Canada)

J C Hogg (Canada)

J R Mayo (Canada)

## Letters editor

T Wilkinson (UK)

## Lung Alert editors

A Bhowmik (UK)

J R Hurst (UK)

## International advisory board

N Ambrosino (Italy)

A Morice (UK)

J N Baraniuk (USA)

A Papi (Italy)

P J Barnes (UK)

R Panettieri (USA)

C R W Beasley (New Zealand)

N G Papadopoulos (Greece)

J R Britton (UK)

M R Partridge (UK)

A S Buist (USA)

I D Pavord (UK)

E R Chilvers (UK)

M G Pearson (UK)

S-H Cho (Korea)

T A E Platts Mills (USA)

S-E Dahlen (Sweden)

L Restrck (UK)

G C Donaldson (UK)

D S Robinson (UK)

M W Elliott (UK)

R M Rudd (UK)

Y Fukuchi (Japan)

S Sethi (USA)

D M Geddes (UK)

T Sethi (UK)

P Goldstraw (UK)

A K Simonds (UK)

R Goldstein (Canada)

P Sliwinski (Poland)

C Griffiths (UK)

R A Stockley (UK)

J C Hogg (Canada)

J K Stoller (USA)

S T Holgate (UK)

M J Tobin (USA)

P Hopewell (USA)

A Torres (Spain)

M Ichinose (Japan)

J Vestbo (Denmark)

A Kendrick (UK)

E H Walters (Australia)

T King (USA)

S T Weiss (USA)

A J Knox (UK)

A Wells (UK)

C K W Lai (China)

J W Wilson (Australia)

G J Laurent (UK)

A A Woodcock (UK)

P LeSouef (Australia)

M Woodhead (UK)

W MacNee (UK)

R Zuvallack (USA)

C Mayaud (France)

Editor, *BMJ*

## Disclaimer

*Thorax* is published by BMJ Publishing Group Ltd, a wholly owned subsidiary of the British Medical Association, and the British Thoracic Society.

The BMA grants 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 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 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.

## Guidelines for authors and reviewers

Full instructions are available online at <http://thorax.bmj.com/ifa>  
All papers must be submitted via Bench>Press at <http://submit-thorax.bmj.com>

## Subscription information

See page ii

## Copyright

© 2007 BMJ Publishing Group Ltd and 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*

Authors are required to grant *Thorax* an exclusive licence to publish; further details available online at [www.thoraxjnl.com/ifa](http://www.thoraxjnl.com/ifa)

• *Thorax* is published by BMJ Publishing Group, copyedited by Macmillan India, typeset by The Charlesworth Group and printed in UK on acid-free paper by Latimer Trend & Co Ltd, Plymouth

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



## Editorials

- 1 Coeliac disease and risk of tuberculosis: a population-based cohort study *D S Sanders, J West, M K B Whyte*
- 2 High-grade lesion: what does it tell us? *E S Edell*
- 3 What is this thing called CFA? *A U Wells, D M Hansell, A G Nicholson*
- 5 Priorities for respiratory research in the UK *S T Holgate, on behalf of the UK Respiratory Research Strategy Committee*

## Asthma

- 8 Inflammation of bronchial smooth muscle in allergic asthma *H Begueret, P Berger, J-M Vernejoux, L Dubuisson, R Marthan, J M Tunon-de-Lara*
- 16 Association of inducible nitric oxide synthase with asthma severity, total serum immunoglobulin E and blood eosinophil levels *J Batra, T P Singh, U Mabalirajan, A Sinha, R Prasad, B Ghosh*

## Tuberculosis

- 23 Coeliac disease and risk of tuberculosis: a population based cohort study *J F Ludvigsson, J Wahlstrom, J Grunewald, A Ekblom, S M Montgomery*

## Chronic obstructive pulmonary disease

- 29 Bronchoscopic validation of the significance of sputum purulence in severe exacerbations of chronic obstructive pulmonary disease *N Soler, C Agustí, J Angrill, J P De la Bellacasa, A Torres*

## Acute lung injury

- 36 In vitro and in vivo effects of salbutamol on neutrophil function in acute lung injury *G D Perkins, N Nathani, D F McAuley, F Gao, D R Thickett*

## Lung cancer

- 43 Surveillance for the detection of early lung cancer in patients with bronchial dysplasia *P J George, A K Banerjee, C A Read, C O'Sullivan, M Falzon, F Pezzella, A G Nicholson, P Shaw, G Laurent, P H Rabbitts*
- 51 Impaired lung function and lung cancer incidence in a cohort of Swedish construction workers *M P Purdue, L Gold, B Järnholm, M C R Alavanja, M H Ward, R Vermeulen*

## Lung transplant

- 57 Surveillance bronchoscopy in children during the first year after lung transplantation: is it worth it? *C Benden, O Harpur-Sinclair, A S Ranasinghe, J C Hartley, M J Elliott, P Aurora*

## Interstitial lung disease

- 62 British Thoracic Society Study on cryptogenic fibrosing alveolitis: response to treatment and survival *R M Rudd, R J Prescott, J C Chalmers, I D A Johnston, for the Fibrosing Alveolitis Subcommittee of the Research Committee of the British Thoracic Society*

## Respiratory infection

- 67 Reducing door-to-antibiotic time in community-acquired pneumonia: controlled before-and-after evaluation and cost-effectiveness analysis *G Barlow, D Nathwani, F Williams, S Ogston, J Winter, M Jones, P Slane, E Myers, F Sullivan, N Stevens, R Duffey, K Lowden, P Davey*

## Sleep-disordered breathing

- 75 Induced sputum inflammatory measures correlate with disease severity in children with obstructive sleep apnoea *A M Li, E Hung, T Tsang, J Yin, H K So, E Wong, T F Fok, P C Ng*

## Chronic cough

- 80 Outcomes in children treated for persistent bacterial bronchitis *D Donnelly, A Critchlow, M L Everard*

## Reviews

- 85 50 years of asthma: UK trends from 1955 to 2004 *H R Anderson, R Gupta, D P Strachan, E S Limb*

- 91 Time trends in allergic disorders in the UK *R Gupta, A Sheikh, D P Strachan, H R Anderson*

## Case report

- 97 Disseminated *Mycobacterium tuberculosis* infection due to interferon  $\gamma$  deficiency. Response to replacement therapy *S L Seneviratne, R Doffinger, J Macfarlane, L Ceron-Gutierrez, M R A Kashipaz, A Robbins, T Patel, P T Powell, D S Kumararatne, R J Powell*

## Images in Thorax

- 100 Secondary bronchiolitis obliterans organising pneumonia in a patient with carbamazepine-induced hypogammaglobulinemia *T Tamada, M Nara, M Tomaki, Y Ashino, T Hattori*

## Miscellanea

- 28 Lung alert:  $\beta_2$  adrenoceptor polymorphisms (*ADRB2* gene) are not strongly associated with asthma incidence or prevalence *M Pagaria*
- 35 Lung alert: Soluble interleukin 6 receptor is raised in sleep-related breathing disorder *T Sathyamoorthy*
- 50 Lung alert: Increased systemic absorption of inhaled corticosteroids in asthmatics with better lung function *A Saxena*
- 56 Lung alert: Inhaled corticosteroids and adrenal suppression in children *J Steer*



[www.publicationethics.org.uk](http://www.publicationethics.org.uk)  
This journal is a member of and subscribes to the principles of the Committee on Publication Ethics