

President: 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)

M Dusmet (UK)

J S Elborn (N Ireland)

J M FitzGerald (Canada)

J A Fleetham (Canada)

N M Foley (UK)

I Hall (UK)

J R Lamb (UK)

D A Lomas (UK)

C Robertson (Australia)

B Schonhofer (Germany)

S O Shaheen (UK)

G A Silvestri (USA)

D P Strachan (UK)

## Statistical editors

S A Lewis (UK)

T M McKeever (UK)

## North America editor

F D Martinez (USA)

## Asia-Pacific editor

G I Town (New Zealand)

## Images editors

J M FitzGerald (Canada)

N Müller (Canada)

J C Hogg (Canada)

## Letters editor

Tom Wilkinson (UK)

## Lung Alert editors

A Bhowmik (UK)

J R Hurst (UK)

## Managing editor

Andrea Horgan

## Development editor

Edward Howard

## Journal assistant

Julia Cresswell

## Technical editor

Elizabeth Stockman

## International advisory board

N Ambrosino (Italy)

J N Baraniuk (USA)

P J Barnes (UK)

C R W Beasley (New Zealand)

J R Britton (UK)

A S Buist (USA)

E R Chilvers (UK)

S-H Cho (Korea)

S-E Dahlen (Sweden)

G C Donaldson (UK)

M W Elliott (UK)

Y Fukuchi (Japan)

D M Geddes (UK)

P Goldstraw (UK)

R Goldstein (Canada)

C Griffiths (UK)

J C Hogg (Canada)

S T Holgate (UK)

P Hopewell (USA)

C K W Lai (China)

G J Laurent (UK)

A Kendrick (UK)

T King (USA)

A J Knox (UK)

P LeSouef (Australia)

W MacNee (UK)

C Mayaud (France)

J Moore-Gillon (UK)

A Morice (UK)

A Papi (Italy)

R Panettieri (USA)

N G Papadopoulos (Greece)

M R Partridge (UK)

I D Pavord (UK)

M G Pearson (UK)

T A E Platts Mills (USA)

L Restrick (UK)

D S Robinson (UK)

R M Rudd (UK)

S Sethi (USA)

T Sethi (UK)

A K Simonds (UK)

P Sliwinski (Poland)

R A Stockley (UK)

J K Stoller (USA)

M Tobin (USA)

A Torres (Spain)

J Vestbo (Denmark)

E H Walters (Australia)

S T Weiss (USA)

A Wells (UK)

J W Wilson (Australia)

A A Woodcock (UK)

M Woodhead (UK)

R Zuwallack (USA)

Editor, *BMJ*

## Instructions to authors

All papers must be submitted via BenchPress at <http://www.submit-thorax.bmjournals.com/>

## Subscription information

See page ii

## Copyright

© 2006 BMJ Publishing Group 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/misc/ifora.shtml](http://www.thoraxjnl.com/misc/ifora.shtml)

• *Thorax* is published by BMJ Publishing Group, typeset by The Charlesworth Group, and printed in UK on acid-free paper by Thanet Press Limited, Margate

• 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

- 93 Inhaled corticosteroids moderate lung function decline in adults with asthma *P Ernst*
- 94 Exercise induced bronchoconstriction in elite athletes: measuring the fall *K Holzer, J A Dougllass*
- 96 Why does airway inflammation persist after the smoking stops? *J C Hogg*
- 98 Is EGFR expression important in non-small cell lung cancer? *S M Lee*

## Asthma

- 100 Inhaled corticosteroids and decline of lung function in community residents with asthma *P Lange, H Scharling, C S Ulrik, J Vestbo*
- 105 Lung function decline in asthma: association with inhaled corticosteroids, smoking and sex *A Dijkstra, J M Vonk, H Jongepier, G H Koppelman, J P Schouten, N H T ten Hacken, W Timens, D S Postma*
- 111 Mid-expiratory flow versus FEV<sub>1</sub> measurements in the diagnosis of exercise induced asthma in elite athletes *J W Dickinson, G P Whyte, A K McConnell, A M Nevill, M G Harries*

## Chronic obstructive pulmonary disease

- 115 Relation between duration of smoking cessation and bronchial inflammation in COPD *T S Lapperre, D S Postma, M M E Gosman, J B Snoeck-Stroband, N H T ten Hacken, P S Hiemstra, W Timens, P J Sterk, T Mauad, on behalf of the GLUCOLD Study Group*
- 122 Addition of salmeterol to existing treatment in patients with COPD: a 12 month study *R A Stockley, N Chopra, L Rice, on behalf of the SMS40026 Investigator Group*

## Alpha-1-antitrypsin deficiency

- 129 Neutrophilic inflammation and IL-8 levels in induced sputum of alpha-1-antitrypsin PiMZ subjects *M Malerba, F Ricciardolo, A Radaeli, C Torregiani, L Ceriani, E Mori, M Bontempelli, C Tantucci, V Grassi*

## Environmental exposure

- 134 Inhalation of stable dust extract prevents allergen induced airway inflammation and hyperresponsiveness *M Peters, M Kauth, J Schwarze, C Körner-Rettberg, J Riedler, D Nowak, C Braun-Fahrländer, E von Mutius, A Bufe, O Holst, the ALEX Study Group*

## Lung cancer

- 140 Survival impact of epidermal growth factor receptor overexpression in patients with non-small cell lung cancer: a meta-analysis *H Nakamura, N Kawasaki, M Taguchi, K Kabasawa*



[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

## Cystic fibrosis

- 146 Controlled longitudinal study of bone mass accrual in children and adolescents with cystic fibrosis *H M Buntain, P J Schluter, S C Bell, R M Greer, J C H Wong, J Batch, P Lewindon, C E Wainwright*

- 155 Improving rate of decline of FEV<sub>1</sub> in young adults with cystic fibrosis *C Que, P Cullinan, D Geddes*

## Tuberculosis

- 158 Risk factors for multidrug resistant tuberculosis in Europe: a systematic review *A Faustini, A J Hall, C A Perucci*

## Review series

- 164 COPD exacerbations · 1: Epidemiology *G C Donaldson, J A Wedzicha*

## Occasional review

- 169 Asthma exacerbations during pregnancy: incidence and association with adverse pregnancy outcomes *V E Murphy, V L Clifton, P G Gibson*

## Case report

- 177 Late pulmonary artery stump thrombosis with post embolic pulmonary hypertension

after pneumonectomy *P A Thomas, C Doddoli, F Barlési, M Reynaud-Gaubert, R Giudicelli, P Fuentes*

## Letters to the editor

- 179 Increasing paediatric empyema admissions *R Gupta, S Crowley*

- 180 Repeated tuberculin testing does not induce false positive ELISPOT results *L Richeldi, K Ewer, M Losi, P Roversi, L M Fabbri, A Lalvani*

- 180 Clinical importance of the Step 3 choice in asthma *M L Barnes, B J Lipworth, M Weatherall, M Masoli, R Beasley*

## Miscellanea

- 104 Lung alert: Stoves with chimneys reduce risk of COPD *L Q C Siew*

- 133 Lung alert: Obstructive sleep apnoea and risk of stroke and death *Y Wedatilake*

- 154 Lung alert: An important virus in asthma pathophysiology? *D Waine*

- 176 Lung alert: Sildenafil is useful in pulmonary arterial hypertension *R L Karadi*

- 181 Erratum

- 182 Images in *Thorax*: An unusual cause of superior vena cava obstruction *S L Chan, A A Arifi, A B W Chan, A T C Chan, B B Y Ma*



This logo indicates an article that was published online first ahead of print