

CONTENTS

**EDITORIALS**

- |                         |     |   |
|-------------------------|-----|---|
| D. Fishwick, R. Beasley | 861 | Use of peak flow-based self-management plans by adult asthmatic patients                                |
| T. Schaberg             | 866 | Epidemiology of tuberculosis in Europe: still a matter of deep concern                                  |
| M. Held, F-D. Goebel    | 868 | Primary and secondary prophylaxis for <i>Pneumocystis carinii</i> related complications in HIV patients |

**ORIGINAL ARTICLES**

- |  |     |   |
|--|-----|---|
| K. Uwyedy, C. Springer, A. Avital,<br>E. Bar-Yishay, S. Godfrey  | 872 | Home recording of PEF in young asthmatics: does it contribute to management?  |
| P. Verschelden, A. Cartier, J. L'Archevêque,<br>C. Trudeau, J-L. Malo  | 880 | Compliance with and accuracy of daily self-assessment of peak expiratory flows (PEF) in asthmatic subjects over a three month period                    |
| J.G. Ayres, L.M. Campbell, R.M.A. Follows<br>on behalf of the OPTIONS research group                         | 886 | A controlled assessment of an asthma self-management plan involving a budesonide dose regimen   |
| G.L. Braunstein, G. Trinquet, A.E. Harper,<br>and a Compliance Working Group                                 | 893 | Compliance with nedocromil sodium and a nedocromil sodium/salbutamol combination  |
| C. Kroegel, P. Julius, H. Matthys,<br>J-C. Virchow Jr, W. Luttmann   | 899 | Endobronchial secretion of interleukin-13 following local allergen challenge in atopic asthma: relationship to interleukin-4 and eosinophil counts      |
| M. Bonavia, E. Crimi, A. Quaglia, V. Brusasco  | 905 | Comparison of early and late asthmatic responses between patients with allergic rhinitis and mild asthma  |
| C.M. Salome, N.J. Brown, G.B. Marks,<br>A.J. Woolcock, G.M. Johnson, P.C. Nancarrow,<br>S. Quigley, J. Tiong | 910 | Effect of nitrogen dioxide and other combustion products on asthmatic subjects in a home-like environment   |
| E. Omenaas, P. Bakke, G.E. Eide, S. Elsayed,<br>A. Gulsvik   | 919 | Serum house dust mite antibodies: predictor of increased bronchial responsiveness in adults of a community  |
| R.T. van Strien, A.P. Verhoeff, J.H. van Wijnen,<br>G. Doekes, G. de Meer, B. Brunekreef                     | 926 | Infant respiratory symptoms in relation to mite allergen exposure   |
| D.A. Thomas, K. Poole, E.K. McArdle,<br>P.C. Goodenough, J. Thompson, C.S. Beardsmore,<br>H. Simpson         | 932 | The effect of sleep deprivation on sleep states, breathing events, peripheral chemoresponsiveness and arousal propensity in healthy 3 month old infants |
| Th. Pieters, Ph. Collard, G. Aubert, M. Dury,<br>P. Delguste, D.O. Rodenstein                                | 939 | Acceptance and long-term compliance with nCPAP in patients with obstructive sleep apnoea syndrome   |
| J. Nahmias, R. Lao, M. Karetzky  | 945 | Right ventricular dysfunction in obstructive sleep apnoea: reversal with nasal continuous positive airway pressure                                      |

## The European Respiratory Journal

- C-H. Wang, H-C. Lin, T-J. Huang, C-T. Yang, C-T. Yu, H-P. Kuo 952 Differential effects of nasal continuous positive airway pressure on reversible or fixed upper and lower airway obstruction
- F. Sato, M. Nishimura, T. Igarashi, M. Yamamoto, K. Miyamoto, Y. Kawakami 960 Effects of exercise and CO<sub>2</sub> inhalation on intersubject variability in ventilatory and heart rate responses to progressive hypoxia
- N. Gueven, B. Glatthaar, H-G. Manke, H. Haemmerle 968 Co-cultivation of rat pneumocytes and bovine endothelial cells on a liquid-air interface
- U.M. Wells, Z. Hanafi, J.G. Widdicombe 976 Sodium metabisulphite causes epithelial damage and increases sheep tracheal blood flow and permeability
- F. Krombach, J.T. Gerlach, C. Padovan, A. Burges, J. Behr, T. Beinert, C. Vogelmeier 984 Characterization and quantification of alveolar monocyte-like cells in human chronic inflammatory lung disease
- J.B. Cailles, C. O'Connor, P. Pantelidis, A.M. Southcott, M.X. Fitzgerald, C.M. Black, R.M. du Bois 992 Neutrophil activation in fibrosing alveolitis: a comparison of lone cryptogenic fibrosing alveolitis and systemic sclerosis
- A. Karjalainen, R. Piipari, T. Mäntylä, M. Mönkkönen, M. Nurminen, P. Tukiainen, E. Vanhala, S. Anttila 1000 Asbestos bodies in bronchoalveolar lavage in relation to asbestos bodies and asbestos fibres in lung parenchyma
- S. Ewig, H. Schäfer, J.K. Rockstroh, A. Pickenhain, B. Lüderitz 1006 Effect of long-term primary aerosolized pentamidine prophylaxis on breakthrough *Pneumocystis carinii* pneumonia
- P. Pfitzenmeyer, P. Foucher, G. Dennewald, B. Chevalon, D. Debieuvre, P. Bensa, F. Piard, P. Camus 1013 Pleuropulmonary changes induced by ergoline drugs
- G. Sutedja, R.P. Golding, P.E. Postmus 1020 High resolution computed tomography in patients referred for intraluminal bronchoscopic therapy with curative intent
- POINT OF VIEW**
- D. Lison, R. Lauwerys, M. Demedts, B. Nemery 1024 Experimental research into the pathogenesis of cobalt/hard metal lung disease
- SERIES 'RESPIRATORY EFFECTS OF AIR POLLUTION'**
- M.D. Lebowitz 1029 Epidemiological studies of the respiratory effects of air pollution
- SERIES 'CLINICAL PHYSIOLOGY IN RESPIRATORY INTENSIVE CARE'**
- P. Pelosi, S. Crotti, L. Brazzi, L. Gattinoni 1055 Computed tomography in adult respiratory distress syndrome: what has it taught us?
- H. Burchardi 1063 New strategies in mechanical ventilation for acute lung injury
- REVIEW**
- J.G. Ayres, J.F. Miles 1073 Oesophageal reflux and asthma
- TECHNICAL NOTE**
- A.M. Lorino, L. Beydon, C. Mariette, E. Dahan, H. Lorino 1079 A new correction technique for measuring respiratory impedance through an endotracheal tube

# The European Respiratory Journal

## CASE STUDIES

- S. Martel, P.C. Carré, G. Carrera, B. Pipy, P.J. Léophonte, and the Toulouse Lung Transplantation Group\* 1087 Tumour necrosis factor- $\alpha$  gene expression by alveolar macrophages in human lung allograft recipient with recurrent of sarcoidosis
- Y. Cormier, B. Coll, M. Laviolette, L.P. Boulet 1090 Reactive airways dysfunction syndrome (RADS) following exposure to toxic gases of a swine confinement building
- F. Barbé, S. Pons, B. Togores, J. Sauleda, R. Soler, A.G.N. Agustí 1092 Continuous positive airway pressure is effective in treating upper airway oedema
- C.M. Sanguinetti, F. Marchesani, R. Ranaldi, R. Pela, L. Cecarini 1094 Localized fibrous pleural tumour of the interlobular pleura

## WORKING GROUP REPORT

- H.L. Rieder, J.M. Watson, M.C. Raviglione, M. Forssbohm, G.B. Migliori, V. Schwoebel, A.G. Leitch, J-P. Zellweger 1097 Surveillance of tuberculosis in Europe

## CONFERENCE REPORT

- A. Lockhart, R. Marthan, N. Charan, P. Paré 1105 Airway circulation in health and disease

## CORRESPONDENCE

- R.J. Meijer, H.A.M. Kerstjens, D.S. Postma, G.H. Koëter, Th.W. van der Mark 1111 Exhaled nitric oxide concentration is influenced by alcohol containing disinfectants

## OBITUARY

- P. Bölskei, J. Strausz 1112 In Memoriam Professor Otto Schweiger

## BOOK REVIEWS

1113

## MEETING CALENDAR

k,l,m,n,p

## FORTHCOMING ARTICLES

### **Exhaled nitric oxide during acute changes of airways calibre in asthma**

*P. Garnier, I. Fajac, J.F. Dessanges, J. Dall'Ava-Santucci, A. Lockhart, A.T. Dinh-Xuan*

### **Flow cytometric detection of cell-associated cytokines in alveolar macrophages**

*H. Nakamura, S. Fujishima, K. Soejima, Y. Waki, M. Nakamura, A. Ishizaka, M. Kanazawa*

### **Undetected infection in diffuse alveolar damage associated with bone marrow transplantation**

*J.A. Barberà, J.M. Martín-Campos, T. Ribalta, E. Carreras, A. Llopert, J. Sierra, C. Rozman, R. Rodríguez-Roisin*

### **The role of apoptosis in the pathogenesis and treatment of diseases**

*E. Solary, L. Dubrez, B. Eymis*

### **Asthmatic bronchial hyperresponsiveness varies with ambient levels of summertime air pollution**

*S.C.O. Taggart, A. Custovic, H.C. Francis, E.B. Faragher, C.J. Yates, B.G. Higgins, A. Woodcock*

### **Classification of severe asthma exacerbations: a proposal**

*C. Picado*

### **Intrinsic PEEP and cardiopulmonary interactions in patients with COPD and acute ventilatory failure**

*V.M. Ranieri, M. Dambrosio, N. Brienza*

### **An unattended device for sleep-related breathing disorders: validation study in suspected obstructive sleep apnoea syndrome**

*M. Zucconi, L. Ferini-Strambi, V. Castronovo, A. Oldani, S. Smirne*