

# The European Respiratory Journal

Volume 9, Number 3

March 1996

## CONTENTS

### EDITORIALS

- J.M. Shneerson 393 The changing role of mechanical ventilation in COPD  
F. Bonetti, P. Chiodera 399 Lymphangioleiomyomatosis and tuberous sclerosis: Where is the border?

### ORIGINAL ARTICLES

- D.E. Maziak, S. Kesten, D.C. Rappaport, J. Maurer 402 Extrathoracic angiomyolipomas in lymphangioleiomyomatosis  
F.M.N.H. Schramel, R.P. Golding, C.D.E. Haakman, T.G. Sutedja, K.A. de Jong, P.E. Postmus 406 Expiratory chest radiographs do not improve visibility of small apical pneumothoraces by enhanced contrast  
T. Bury, A. Dowlati, P. Paulus, J.L. Corhay, T. Benoit, J.M. Kayembe, R. Limet, P. Rigo, M. Radermecker 410 Evaluation of the solitary pulmonary nodule by positron emission tomography imaging  
C.T. Bolliger, P. Jordan, M. Solèr, P. Stulz, M. Tamm, Ch. Wyser, M. Gonon, A.P. Perruchoud 415 Pulmonary function and exercise capacity after lung resection  
M. Confalonieri, P. Parigi, A. Scartabellati, S. Aiolfi, S. Scorsetti, S. Nava, L. Gandola 422 Noninvasive mechanical ventilation improves the immediate and long-term outcome of COPD patients with acute respiratory failure  
D.A. Gerardi, L. Lovett, M.L. Benoit-Connors, J.Z. Reardon, R.L. ZuWallack 431 Variables related to increased mortality following out-patient pulmonary rehabilitation  
C. Fuhrman, P. Ernst, F. Kauffmann 436 Long-term effects of therapy on respiratory health  
L.M. Osman, M.I. Abdalla, I.T. Russell, J. Fiddes, J.A.R. Friend, J.S. Legge, J.G. Douglas 444 Integrated care for asthma: matching care to the patient  
M.M.M. Pizzichini, J.C. Kidney, B.J.O. Wong, M.M. Morris, A. Efthimiadis, J. Dolovich, F.E. Hargreave 449 Effect of salmeterol compared with beclomethasone on allergen-induced asthmatic and inflammatory responses  
Z.H. Jaffar, P. Sullivan, C. Page, J. Costello 456 Low-dose theophylline modulates T-lymphocyte activation in allergen-challenged asthmatics  
M. Fattal-German, F. Le Roy Ladurie, J. Cerrina, F. Lecerf, S. Berrih-Aknin 463 Modulation of ICAM-1 expression in human alveolar macrophages *in vitro*  
Z.L. Harris, K.M. Ridge, B. Gonzalez-Flecha, L. Gottlieb, A. Zucker, J.I. Sznajder 472 Hyperbaric oxygenation upregulates rat lung Na,K-ATPase  
L. Gallico, N. Oggioni, C. Dalla Rosa, R. Ceserani, S. Tognella 478 Effects of mogusteine, a peripheral nonnarcotic antitussive agent, on airway inflammation in guinea-pigs *in vivo*  
J. Ishikawa, M. Ichinose, M. Miura, N. Kageyama, H. Yamauchi, M. Tomaki, Y. Sasaki, K. Shirato 486 Involvement of endogenous tachykinins in LTD<sub>4</sub>-induced airway responses

# The European Respiratory Journal

A.J.M. Van Oosterhout, I. van Ark, G. Hofman, H.J. Van Der Linde, D. Fattah, F.P. Nijkamp	493	Role of interleukin-5 and substance P in development of airway hyperreactivity to histamine in guinea-pigs
P.R. Gray, H.W. Mitchell	500	Effect of diameter on force generation and responsiveness of bronchial segments and rings
G. Verlato, I. Cerveri, A. Villani, M. Pasquetto, M. Ferrari, F. Fanfulla, E. Zanolin, B. Rijcken, R. de Marco	506	Evaluation of methacholine dose-response curves by linear and exponential mathematical models: goodness-of-fit and validity of extrapolation
H. Sala, F. Galindez, A. Badolati, D. Rodenstein	512	Relationship between supramaximal flows and flow-limiting mechanisms
C. Lemière, D. Gautrin, C. Trudeau, H. Ghezzo, A. Desjardins, A. Cartier, J-L. Malo	517	Fever and leucocytosis accompanying asthmatic reactions due to occupational agents: frequency and associated factors
B. Pedersen, M. Iversen, B. Bundgaard Larsen, R. Dahl	524	Pig farmers have signs of bronchial inflammation and increased numbers of lymphocytes and neutrophils in BAL fluid
P.L. Shah, S.F. Scott, R.A. Knight, M.E. Hodson	531	The effects of recombinant human DNase on neutrophil elastase activity and interleukin-8 levels in the sputum of patients with cystic fibrosis
T.G. Christensen, P.A. Alonso	535	Immunocytochemical evidence for extra-cellular initiation of elastase-induced bronchial secretory cell metaplasia in hamsters
K.C. Kim, H.R. Park, C.Y. Shin, T. Akiyama, K.H. Ko	542	Nucleotide-induced mucin release from primary hamster tracheal surface epithelial cells involves the P <sub>2u</sub> purinoceptor
E. Rosi, J.D. Beckmann, P. Pladsen, S.I. Rennard, D.J. Romberger	549	Modulation of human bronchial epithelial cell IIICS fibronectin mRNA <i>in vitro</i>
M. Imada, J. Iwamoto, S. Nonaka, Y. Kobayashi, T. Unno	556	Measurement of nitric oxide in human nasal airway
F. Chabot, H. Mestiri, S. Sabry, J. Dall'Ava-Santucci, A. Lockhart, A.T. Dinh-Xuan	560	Role of NO in the pulmonary artery hyporeactivity to phenylephrine in experimental biliary cirrhosis
D.S. Phelps, T.M. Umstead, R.M. Rose, J.A. Fishman	565	Surfactant protein-A levels increase during <i>Pneumocystis carinii</i> pneumonia in the rat

## SERIES 'RESPIRATORY EFFECTS OF AIR POLLUTION'

J. Heyder, S. Takenaka	571	Long-term canine exposure studies with ambient air pollutants
------------------------	-----	---

## SERIES 'CLINICAL PHYSIOLOGY IN RESPIRATORY INTENSIVE CARE'

R. Dhand, M.J. Tobin	585	Bronchodilator delivery with metered-dose inhalers in mechanically-ventilated patients
----------------------	-----	--

## REVIEW

T. Urban, M-P. Schuller, B. Lebeau	596	Colony-stimulating factors as an adjunct to chemotherapy in small cell lung cancer
------------------------------------	-----	--

# The European Respiratory Journal

## TECHNICAL NOTE

- A.B. Thompson, H. Teschler, Y.M. Wang,  
N. Konietzko, U. Costabel 603 Preparation of bronchoalveolar lavage fluid with  
microscope slide smears

## CASE STUDIES

- H. Hautmann, R.M. Huber 609 Stent flexibility: an essential feature in the treatment of  
dynamic airway collapse
- J.Y. Park, A.A. Elshami, D.S. Kang, T.H. Jung 612 Plastic bronchitis
- E. de Kerviler, J. Trédaniel, G. Revlon,  
O. Groussard, G. Zalcman, J-M. Ortoli,  
M. Espié, A. Hirsch, J. Frija 615 Fluoxetine-induced pulmonary granulomatosis

## CASE FOR DIAGNOSIS

- B. Balbi, F. Fabiano 618 A young man with fever, dyspnoea and nonproductive  
cough

## CORRESPONDENCE

- R. Fuller, L. Hanson, J-A. Karlsson;  
J. Widdicombe 621 Neurophysiology of the cough reflex

## BOOK REVIEWS

624

## MEETING CALENDAR

k,l,n,p

## FORTHCOMING ARTICLES

### Importance of baseline cotinine plasma values in smoking cessation: results from a double-blind study with nicotine patch

P. Paoletti, E. Fornai, F. Maggiorelli, R. Puntoni, G. Viegi, L. Carrozza, A. Corlando, G. Gustavsson, U. Säwe,  
C. Giuntini

### Noninvasive mechanical ventilation in acute respiratory failure

N. Ambrosino

### The costs of asthma

P.J. Barnes, B. Jonsson, J. Klim

### Prospective study of the value of transbronchial lung biopsy after lung transplantation

A. Boehler, P. Vogt, A. Zollinger, W. Weder, R. Speich

### Airway structure and inflammatory cells in fatal attacks of asthma

N. Carroll, S. Carello, C. Cooke, A. James

### Pulmonary hypertension in the obstructive sleep apnoea syndrome: prevalence, causes and therapeutic consequences

R. Kessler, A. Chaouat, E. Weitzenblum, M. Oswald, M. Ehrhart, M. Apprill, J. Krieger

### Effects of rhDNase on purulent airway secretions in chronic bronchitis

E. Puchelle, J-M. Zahm, S. de Bentzmann, C. Grosskopf, S. Shak, D. Mougel, J-M. Polu

### Priming of circulating human eosinophils following late response to allergen challenge

D.J. Evans, M.A. Lindsay, B.J. O'Connor, P.J. Barnes

### Long-, intermediate- and short-term growth studies in asthmatic children treated with inhaled glucocorticosteroids

O.D. Wolthers