



## EDITORIALS

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- 1519 Club cells and CC16: another “smoking gun”? (With potential bullets against COPD)**  
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- 1521 Primary immunodeficiencies: not just paediatric diseases**  
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- 1524 Prevention is better than cure: time to change the focus of community-acquired pneumonia management**  
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- 1526 Distilling the essence of breathlessness: the first vital symptom**  
David C. Currow and Miriam J. Johnson
- 1529 Lung function, genetics and socioeconomic conditions**  
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- 1534 Unmet needs for the assessment of small airways dysfunction in asthma: introduction to the ATLANTIS study**  
Dirkje S. Postma, Chris Brightling, Leo Fabbri, Thys van der Molen, Gabriele Nicolini, Alberto Papi, Klaus F. Rabe, Salman Siddiqui, Dave Singh, Maarten van den Berge and Monica Kraft
- 1539 Taking the “I” out of IPF**  
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## FROM THE MUSEUM

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- 1542 From the Museum: the Art of Thinking. Summary 9–12: Expressing out**  
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## ORIGINAL ARTICLES

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### COPD

- 1544 Protective role for club cell secretory protein-16 (CC16) in the development of COPD**  
Maria E. Laucho-Contreras, Francesca Polverino, Kushagra Gupta, Katherine L. Taylor, Emer Kelly, Victor Pinto-Plata, Miguel Divo, Naveed Ashfaq, Hans Petersen, Barry Stripp, Aprile L. Pilon, Yohannes Tesfaigzi, Bartolome R. Celli and Caroline A. Owen

### Asthma

- 1557 Interaction effect of psychological distress and asthma control on productivity loss?**  
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### Paediatric pulmonology

- 1566 Effects of antenatal multiple micronutrient supplementation on lung function in mid-childhood: follow-up of a double-blind randomised controlled trial in Nepal**  
Delan Devakumar, Janet Stocks, Jon G. Ayres, Jane Kirkby, Sushil K. Yadav, Naomi M. Saville, Graham Devereux, Jonathan C.K. Wells, Dharma S. Manandhar, Anthony Costello and David Osrin

### Paediatric pulmonology and lung function

- 1576 How “healthy” should children be when selecting reference samples for spirometry?**  
Sooky Lum, Vassiliki Bountziouka, Samatha Sonnappa, Tim J. Cole, Rachel Bonner and Janet Stocks

### Lung function

- 1582 African ancestry, lung function and the effect of genetics**  
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### Cystic fibrosis

- 1590 Deleterious impact of *Pseudomonas aeruginosa* on cystic fibrosis transmembrane conductance regulator function and rescue in airway epithelial cells**  
Nguyen Thu Ngan Trinh, Claudia Bilodeau, Emilie Maillé, Manon Ruffin, Marie-Claude Quintal, Martin-Yvon Desrosiers, Simon Rousseau and Emmanuelle Brochiero

## ORIGINAL ARTICLES (CONTINUED)

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### Pulmonary vascular diseases

- 1603** **Clinical relevance of right ventricular diastolic stiffness in pulmonary hypertension**  
Pia Trip, Silvia Rain, M. Louis Handoko, Cathelijne van der Bruggen, Harm J. Bogaard, J. Tim Marcus, Anco Boonstra, Nico Westerhof, Anton Vonk-Noordegraaf and Frances S. de Man

### Interstitial and orphan lung disease

- 1613** **Pulmonary manifestations in adult patients with chronic granulomatous disease**  
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- 1624** **Efficacy of short-term prednisolone treatment in patients with chronic eosinophilic pneumonia**  
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### Respiratory infections

- 1632** **Impact of infant 13-valent pneumococcal conjugate vaccine on serotypes in adult pneumonia**  
Chamira Rodrigo, Thomas Bewick, Carmen Sheppard, Sonia Greenwood, Tricia M. McKeever, Caroline L. Trotter, Mary Slack, Robert George and Wei Shen Lim
- 1642** **Neuraminidase inhibitors, superinfection and corticosteroids affect survival of influenza patients**  
Nelson Lee, Yee-Sin Leo, Bin Cao, Paul K.S. Chan, W.M. Kyaw, Timothy M. Uyeki, Wilson W.S. Tam, Catherine S.K. Cheung, Irene M.H. Yung, Hui Li, Li Gu, Yingmei Liu, Zhenjia Liu, Jiuxin Qu and David S.C. Hui

### Lung cancer

- 1653** **Diagnostic utility and accuracy of rapid on-site evaluation of bronchoscopic brushings**  
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- 1661** **Radial endobronchial ultrasound images for ground-glass opacity pulmonary lesions**  
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### Lung biology and smoking

- 1669** **Ceramide-1-phosphate inhibits cigarette smoke-induced airway inflammation**  
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## REVIEWS

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- 1681** **Multidimensional Dyspnea Profile: an instrument for clinical and laboratory research**  
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- 1692** **Large trials, new knowledge: the changing face of COPD management**  
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## SERIES

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- SERIES "PHYSIOLOGY IN RESPIRATORY MEDICINE"**  
Edited by R. Naeije, D. Chemla, A. Vonk-Noordegraaf and A.T. Dinh-Xuan  
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- 1704** **Dead space: the physiology of wasted ventilation**  
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## BACK TO BASICS


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-  **1731** **Noninterventional statistical comparison of BTS and CHEST guidelines for size and severity in primary pneumothorax**  
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- 1734** **Lung cancer screening feasibility in Australia**  
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- 1737** **Quadriceps muscle fibre dysfunction in patients with pulmonary arterial hypertension**  
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- 1741** **Effective anti-tuberculosis therapy correlates with plasma small RNA**  
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- 1745** **Inhibition of Pim1 kinase reduces viral replication in primary bronchial epithelial cells**  
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- 1748** **Pathogenicity of individual rhinovirus species during exacerbations of cystic fibrosis**  
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- 1751** **Referred shoulder pain (C4 dermatome) can adversely impact diaphragm pacing with intramuscular electrodes**  
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### Correspondence

- 1755** **Higher mortality for weekend admissions: quality of care or selection bias?**  
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- 1756** **The emerging role of the contractile and vascular reserves in pulmonary arterial hypertension**  
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-  **1760** **Supporting progress towards the post-2015 targets and regional tuberculosis elimination: a statement of intent from the third meeting of the Asian TB Experts Community**  
Toru Mori and Erlina Burhan on behalf of participants in the third meeting of the Asian TB Experts Community

**1763** **AUTHOR CORRECTION**

**1763** **ERRATUM**