Contents

Volume 73  Issue 1  THORAX January 2018

Editorials

1 Imaging pathophysiological changes in the lungs in IFP with xenon magnetic resonance imaging J M Wild

2 How do we improve training in pulmonary physiology and the interpretation of lung function tests? G Phillips

3 Quantification of CT bronchiectasis and its relationship to ventilation in cystic fibrosis T Rosenow

5 NERO: a pilot study but important step towards comprehensive management of obesity hyperventilation syndrome J-C Borel, A L Borel, A J Piper

Critical care

7 Perspectives of survivors, families and researchers on key outcomes for research in acute respiratory failure V D Dinglas, C M Chassere, W E Davis, A Parker, L A Friedman, E Calantow, C O Bingham, A E Turnbull, D M Needham

Cystic fibrosis


Interstitial lung disease

21 Using hyperpolarized 3He MRI to quantify regional gas transfer in idiopathic pulmonary fibrosis J M Wang, S H Robertson, Z Wang, M He, R S Vinograd, G M Schenck, R M Smiga, T G O'Riordan, J Sunday, L Elmer, C R Rackley, P McAdams, B Driehuys, for the SCILD and BILD study groups

Rehabilitation


Respiratory epidemiology


Respiratory infection


Sleep

62 Nutrition and Exercise Rehabilitation in Obesity hyperventilation syndrome (NERO): a pilot randomised controlled trial S Mandal, E-S Sub, R Harding, A Vaughan-France, M Ramsay, R Connelly, D E Bear, H MacLaughlin, S A Greenwood, M I Polkey, M Elliot, T Chen, A Douiri, J Moxham, P B Murphy, N Hart

Tuberculosis

70 Comorbidities, mortality and causes of death among patients with tuberculosis in Denmark 1998–2010: a nationwide, register-based case-control study A Floc, O Hilberg, C Weije, R Ilven, A Lkke
Research letters

78 Does training respiratory physicians in clinical respiratory physiology and interpretation of pulmonary function tests improve core knowledge?
M Patout, L Sesé, T Gille, B Coiffard, S Karzeniewski, E Lhuillier, A Pradel, C Tardif, A Chambellan, C Straus, S Matecki, T Perez, L Thiberville, A Didier

82 The quantitative link of lung clearance index to bronchial segments affected by bronchiectasis
S Verbanck, G G King, W Zhou, A Miller, C Thauvin, D Schuermans, B Ilgen, C W Ernst, J de Mey, W Vincken, E Vanderhelst

85 Novel imaging detailing the origins of a pneumothorax
K Nakanishi, H Goto, T Ito, Y Nagata, S Hayashi, T Ishihara

88 One evidence base; three stories: do opioids relieve chronic breathlessness?
M Ekström, S Bajwah, J M Bland, D Currow, J Hussain, M J Johnson

Chest clinic

Case based discussions

91 Empyema necessitans and a persistent air leak associated with rupture of an anaerobic lung abscess due to bacteroides
V Sharma, K G Blyth

Images in Thorax

94 Herpes simplex lesion mimicking left upper lobe bronchial tumour
G C Dantas, H Shoji, C Hoelz, M Buarque d G Fanari, G Szarf

96 Extrathoracic hyperinflation
M Bruyneel, V Ninane

97 Vocal fold paralysis on positron emission tomography-CT
C Ma, Z A K Frosch, B Overmoyer, A Z Cooper

Journal club summaries

100 What’s hot that the other lot got
N M Shah