

## Library Corner – December 2003

Highlights and abstracts from the ACCP meeting in Orlando, 2003 are published in Chest **124**: 4S. Worth a look. Particularly the Sleep Disordered Breathing section pp73-75 & pp226-228; COPD: Exercise, Outcome Predictors and Treatment section pp 97-99, Pulmonary Function Testing Methodology pp122-123 and Clinical application of PFTs pp 161-165.

The October issue of Chest had a number of interesting papers in it. An editorial addresses the link between Interstitial Lung Disease and smoking

- The spectrum of smoking-related interstitial lung disorders: The never ending story of smoke and disease M.Selman, Chest, 2003; **124**: 1185-1187.

An interesting study of lung function in Rheumatoid arthritis

- A longitudinal study of lung function in non-smoking patients with rheumatoid arthritis. J.P.Fuld *et al. ibid* 1224-1231

There is a comparison of three Bronchial Provocation tests, Sandy Anderson and John Brannon being amongst the authors

- Sensitivity and Validity of Three Bronchial Provocation Tests to determine the effect of inhaled steroids in asthma. A Sandrini *et al. ibid* 1341-1349.

For the sleepers

- The relationship between congestive heart failure, sleep apnoea and mortality in older men. S Ancoli-Israel *et al. ibid* 1400-1405.

For those with an interest in exercise

- Utility of the breathing reserve index at the Anaerobic Threshold in determining ventilatory-limited exercise in adult cystic fibrosis patients. W.P. Sexauer *et al. ibid* 1469-1475.

There was very interesting review in the same issue of Chest on methods for comparing diagnostic devices. While the context was sleep apnoea monitoring, the principles are universal

- Measuring agreement between diagnostic devices. W.W. Flemons and M.R. Littner. *ibid* 1535-1542.

This paper was followed by a Literature review for sleep apnoea home diagnosis methods

- Home diagnosis of sleep apnoea: A systematic review of the literature. An evidence review co-sponsored by the American Academy of Sleep Medicine, the American College of Chest Physicians and the American Thoracic Society. W.W. Flemons *et al. ibid* 1543-1579.

There was a European Respiratory Supplement appeared that had some interesting papers in it.

- Structure and Function of the respiratory muscles in patients with COPD: impairment or adaptation? M.Orozco-Levi, Eur Resp J 2003; **22**: Suppl. 46, 41s-51s.
- Respiratory failure. C Roussos and A Koutsoukou. Eur Resp J 2003; **22**: Suppl. 47, 3s-14s.
- Treatment of chronic respiratory failure: lung volume reduction surgery *versus* rehabilitation. M. Decramer. *ibid* 47s-56s.
- Also from a European respiratory Review came proceedings of COPD 2.
- Exercise tolerance as a clinical outcome measure in COPD. D.E. O'Donnell. Eur Respir Rev 2002; **12**: 86/87, 303-304.
- Assessment of expiratory airflow limitation. V.Brusasco and R Pellegrino. *ibid* 380-382.

ERJ itself also had some interesting papers:

- Spirometry in primary care: is it good enough to face demands like World COPD Day? T.Schermer *et al* Eur Respir J 2003; **22**: 725-727 (Tam Eaton, an author of an earlier paper on this subject from GreenLane is one author on this one).
- Assessment of tidal breathing parameters in infants with cystic fibrosis. S.C.Ranganathan *et al. ibid* 761-766 (Janet Stocks is an author)

The November issue of Chest arrived as I was preparing this column. It too was liberally endowed with interesting papers. There were a couple of editorials worth reading even if the papers themselves weren't of interest:

- Cheyne-Stokes Respiration: A consequence of a Broken Heart? D.D. Sin and G.C.W. Man. Chest 2003; **124**: 1627-1628
- Getting the Most Out of Nocturnal Pulse Oximetry. *ibid* 1628-1630.

The two papers behind these editorials were:

- The Effect of Successful Heart Transplant Treatment of Heart Failure on Central Sleep Apnoea. D.R.Mansfield *et al.* *ibid* 1675-1682. (Our own Teanau Roebuck is one of the authors on this paper)
- Prediction of the Apnea-Hypopnea Index from Overnight Oximetry. U.J. Magalang *et al.* *ibid* 1694-1701.

On a similar note was:

- Comparison of Home Oximetry Monitoring With Laboratory Polysomnography in Children. V.G. Kirk *et al.* *ibid* 1702-1708.

A paper worth a quick look addressed  $D_LCO$  measurement

- Advantages of the Intra-breath Technique as a Measure of Lung Function Before and After Heart Transplantation. A.Quantz *et al.* *ibid* 1658-1662.

A variation on the FEV<sub>6</sub> is presented by a paper from Hankinson et al looking at FVC<sub>6</sub>

- Spirometric Reference Values for 6-s FVC Maneuvre. J.L. Hankinson *et al.* *ibid* 1805-1811.

Another lab based paper

- Respiratory Inductance Plethysmography in Healthy 3- to 5-Year Old Children. O.H.Mayer *et al.* *ibid* 1812-1819.

Finally for those with an interest in exercise and transplants

- Clinical and Exercise Test Determinants of Survival After Cardiac Transplantation. J.Myers *et al.* *ibid* 2000-2005.

Graham Hall sent in a further contribution from the Paediatric field:

- Do in-line respiratory filters protect patients? Comparing bacterial removal efficiency of six filters. Canakis AM, Ho B, Ho S, Kovach D, Matlow A, Coates AL. *Pediatr Pulmonol.* 2002; **34**(5): 336-41.

That's it for another month. Happy browsing.

K.