

## *Library Corner – November 2003*

The September issue of *Respirology* had several papers of interest including a number of invited reviews. First up was a review of SARS from the Asia Pacific perspective

Severe acute respiratory syndrome (SARS) in Hong Kong. K.W. Tsang et al, *Respirology* 2003; **8**: 259-265.

There was also a review from Janet Stocks for those with an interest in development

The effect of parental smoking on lung function and development during infancy. J. Stocks and C. Dezateux. *ibid* 266-285.

For those with an interest in the history of tobacco there was a review from Bill Musk that is worth reading

History of tobacco and health. A.W. Musk and H. DeKlerk *ibid* 286-290.

Those with an interest in the regulation of breathing and anatomy of the lungs will find the following of interest

Bronchopulmonary afferent nerves. M.J. Carr and B.J. Udem. *ibid* 291-301

The same issue contained a paper on exercise and COPD in which V<sub>emax</sub>/MVV was suggested to be an indicator of exercise ventilatory limitation

Factors associated with improvement in breathing capacity during exercise in patients with chronic obstructive pulmonary disease. K.C. Ong and Y.T. Wang. *ibid* 339-343.

An interesting approach to quality assurance for internal consistency of a patient's serial data is presented in

A novel approach for quality control of total lung capacity in the clinical pulmonary function laboratory: A study in a veteran population. H.J. Schumann *et al*, *ibid* 365-370.

The exercise reference given above reminded me of another review covering the assessment of ventilatory capacity on exercise. It is a few years old but worth reading again if you are doing exercise testing

Emerging concepts in the evaluation of ventilatory limitation during exercise. The exercise tidal flow-volume loop. B.D. Johnson *et al* *Chest* 1999; **116**:488-503.

For those with an interest in GP spirometry the same issue of *Chest* had a paper that documented the quality aspects of GP based spirometry in Auckland, New Zealand.

Spirometry in Primary Care Practice. The importance of Quality Assurance and the Impact of Spirometry Workshops. T Eaton *et al*, *ibid* 416-423.

For the sleepers amongst us there was a paper in the latest *ERJ* looking at detection of arousals using chest bands instead of oesophageal pressure

Assessment of thoracoabdominal bands to detect respiratory effort-related arousal. J.F. Mesa *et al* *Eur Resp J* 2003; **22**:661-667.

In the same issue was a paper applying forced oscillation techniques to home monitoring of airway function

Unsupervised self-testing of airway obstruction by forced oscillation at the patient's home. J. Rigau *et al*, *ibid* 668-671.

Another review surfaced, this time COPD

Chronic obstructive pulmonary disease: molecular and cellular mechanisms.  
P.J. Barnes *et al*, *ibid* 672-688.

Those of you who frequent Oxygen bars before and after sport, should read  
Short-burst oxygen immediately before and after exercise is ineffective in  
nonhypoxic COPD patients. C.A. Lewis *et al* *ibid* 584-588,

Andrew Coates sent the following for Library Corner.

Journal articles of interest:-

There is some evidence that spirometry can help people to want to give up smoking.  
The 31st of May each year is "World No Tobacco Day". Why not set up on this day  
spirometry testing of smokers. I did this last May, and found some success with it.  
Read on because it must be reinforced by the support of doctors:-

Gorecka D, Bednarek M, Nowinski A, Puscinska E, Goljan-Geremek A,  
Zielinski J. Diagnosis of airflow limitation combined with smoking cessation  
advice increases stop-smoking rate. *Chest* 2003;123:1916-1923.

A group in Melbourne have presented reference values for spirometry in children  
using ulna length, which is important for wheelchair bound patients.

Gauld LM, Kappers J, Carlin JB, Robertson CF. Prediction of childhood  
pulmonary function using ulna length. *Am J Respir Crit Care Med*  
2003;168:804-809.

And a very informative article reviewing the different respiratory muscle strength  
tests for children.

Fauroux B. Respiratory muscle testing in children. *Paediatr Respir Rev*  
2003;4:243-249.

Happy browsing until next month,

*Kevin.*