

## Library Corner – December 2004

Some interesting data from Chest Soundings, the newsletter of ACCP

Item	2003 Price	2004 Price
Mouthpiece	1.49	0.22
Respiratory Filter	5.00	1.44
Noseclips	1.00	0.72
Nebulizer tube	7.10	1.65
Non-sterile Gloves	0.12	0.08

I also note from their table that Cidex is listed as a cost – and was the only consumable cost that didn't fall!

The body of the article gave similar falls in the costs of gases with Helium reportedly falling from \$5.70/cu ft to \$0.25 / cu ft and test gas mixes fell to \$0.072/L. Total American Medicare reimbursement for spirometry alone was \$31.72 and for multiple spirometry with BD was \$69.52. Of course these are all American costs and prices but there should be some relativity.

### Chest 126(4), October 2004

A bumper issue:

Exercise training improves overall physical fitness and quality of life in older women with coronary artery disease. C Hung *et al*, 1026-1031. Also see editorial p 1009

Respiratory health survey of respiratory therapists. H Dimich-Ward pp1048-1053. Biggest issue was glutaraldehyde!

The effects of high flow oxygen on exercise in advanced obstructive airways disease. W Chatila *et al* pp1108-1115.

A question posed in Ask Derek a while back is addressed by

How do patients determine that their metered-dose inhaler is empty? BK Rubin and L Durotype. pp1134-1137.

Reference values for Pulmonary function in asian indians living in the United States. A Fulambarker *et al* pp1225

Predictive factors of quality of life improvement and continuous positive airway pressure use in patients with sleep apnoea-hypopnea syndrome: Study at 1 year. P Lloberes *et al* pp1241-1247

A book review that could be of interest

Pulmonary Physiology and pathophysiology, an integrated, case-based approach. John West.

From ERS the newsletter re Glasgow indicates a very good time was had by all who attended. ERJ 24(5). November 2004, had an interesting paper on *in utero* growth retardation and lung function

Effect of *in utero* growth retardation on lung function at follow-up of prematurely born infants. A Greenough *et al.* pp731-733 (see also editorial p722)

Tobacco gets yet more black marks in the context of asthma

Smoking and asthma in adults. R Piipari *et al.* pp734-739. (also see editorial p720)

A new series is starting that could have topics of interest. Entitled “Respiratory Monitoring: Revisiting Classical Physiological Principles with New tools”, the first is

Magnetic stimulation for the measurement of respiratory and skeletal muscle function. WD-C Mann *et al.*, pp846-860.

### **Thorax 59(11), November 2004.**

The use of personal best vs predicted peak flow is discussed in

When can personal best peak flow be determined for asthma action plans?  
HK Reddel *et al.* pp 922-924. (see also Dick Ruffin’s editorial p913)

An interesting paper from several of our members at Concord Repat discusses the effect of simulated commercial flights on patients with COPD and ILD – well done guys

Effect of simulated commercial flight on oxygenation in patients with interstitial lung disease and chronic obstructive pulmonary disease.  
Seccombe, LM *et al.* pp966-970. (see also associated editorial pp919-920.)

There was also a letter on a related topic that might be of interest to our paediatric colleagues

Pre-flight hypoxic challenge in infants and young children with respiratory disease. Buchdahl *et al.* p1000

Finally the guidance we have all been looking for

Type of red wine and risk of lung cancer: a case-control study in Spain. A Ruano-Ravina *et al.* pp 981-985

Perhaps we should be looking at the effect of red wine vs a G&T on pulmonary function?

### **Chest 126(5), November 2004**

For sleepers a paper that has lessons for all using adult guidelines to investigate kids.

Is a 2-night polysomnographic study necessary in childhood sleep-related disordered breathing? Li, AM *et al.* pp1467-1472. (see associated editorial p1396-1398)

A cautionary tale about oximetry is provided by

Supplemental Oxygen impairs detection of hypoventilation by pulse oximetry.  
Fu, ES *et al.* pp1552-1558. (See also associated editorial pp1399-1401.

From Graham Hall came these two contributions

Validity of the American Thoracic Society and Other Spirometric Algorithms  
Using FVC and Forced Expiratory Volume at 6 s for Predicting a Reduced  
Total Lung Capacity.

Maureen P. Swanney, Lutz E. Beckert, Chris M. Frampton, Lauren A.  
Wallace, Robert L. Jensen, and Robert O. Crapo  
Chest 2004;126 1861-1866

<http://www.chestjournal.org/cgi/content/abstract/126/6/1861?etoc>

Simplified Detection of Dynamic Hyperinflation

Arthur F. Gelb, Carlos A. Gutierrez, Idelle M. Weisman, Randy Newsom,  
Colleen Flynn Taylor, and Noe Zamel  
Chest 2004;126 1855-1860

<http://www.chestjournal.org/cgi/content/abstract/126/6/1855?etoc>

Till next month, happy browsing.

*K*