

## *Surf Report... October, 2004*

I will admit to being a bit stumped for something to report this month. So what to do. After typing respiratory science in the Google search engine I was pleased to see that ANZSRS comes up a few times in the top ten hits. Then I hot pay dirt, via a rather circuitous routs I found a page from NYU Medical Schools with a simulation model for gas exchange in the lung under a variety of pre-set conditions, as well as allowing the user to “play”. The home page is at:

<http://endeavor.med.nyu.edu/research/gas-exchange/lab/is.htm>

The model gives a table of results with  $V_a$ ,  $Q$ ,  $V_a/Q$ ,  $PO_2$ ,  $PCO_2$  etc etc as well as some animations showing  $PO_2$  and  $PCO_2$  levels within the 20 different alveolar units the model contains.

The explanations contained within website are excellent and a (for a change) useful step by step menu takes you through the whole program.

Designed for medical students it's a great refresher for old knowledge long forgotten, or in my case knowledge that never really stuck.

Happy surfing.

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