

The Mary Baldwin College Advantage

**Leigh A. Frame
Class of 2006**



Outline

1. Best Experiences
2. Regrets
3. Making Up for It
4. Current Work



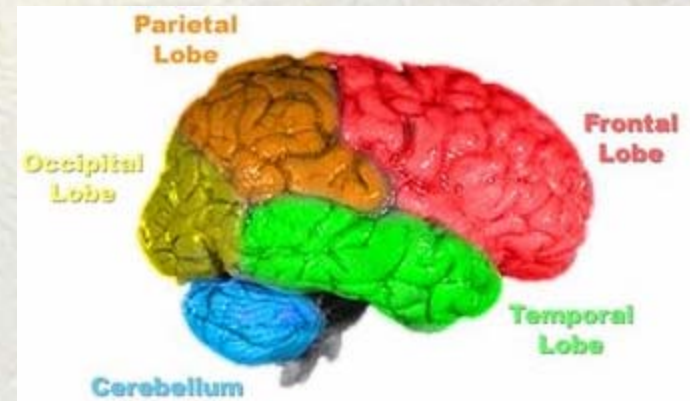
Best Experiences

- Being a Joiner



- Senior Thesis

- Biological Psychology



Regrets

- Not taking more biology classes



**Don't Fear
Dr. Pentz**



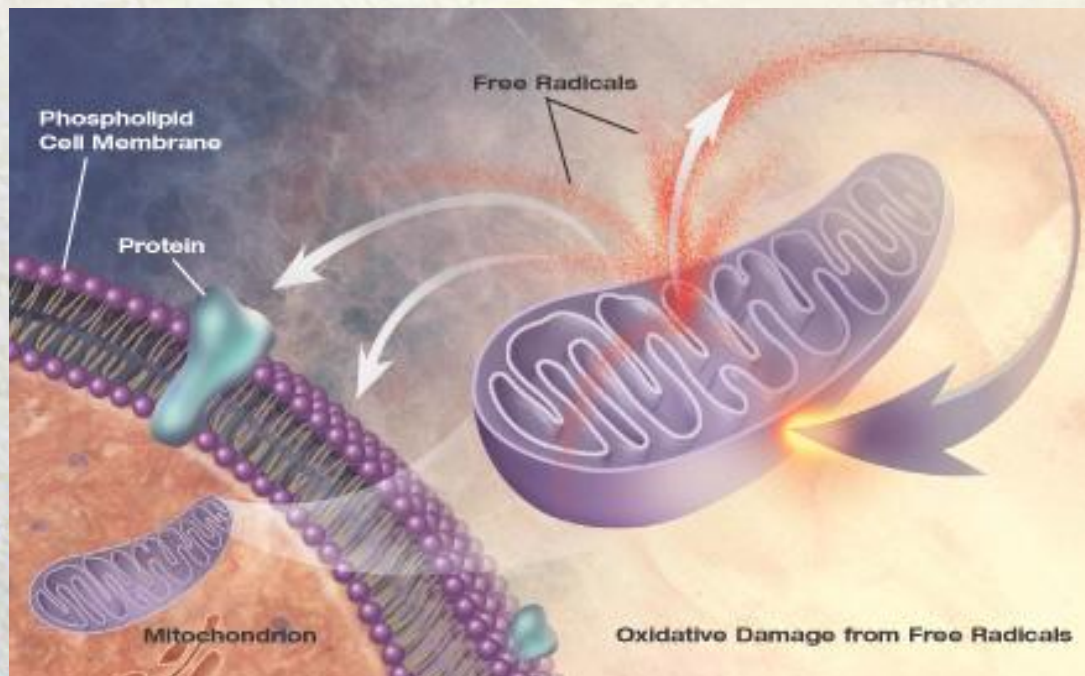
- Not taking Gen Eds more seriously
- Not taking more classes **just for fun**

Making Up for It



JOHNS HOPKINS
BLOOMBERG
SCHOOL of PUBLIC HEALTH

- Molecular Biology of Disease



- Biological Basis of Aging

Current Work

- Sleep Disorders Center
- Sleep Studies
- Sleep Apnea
- BOSA Study



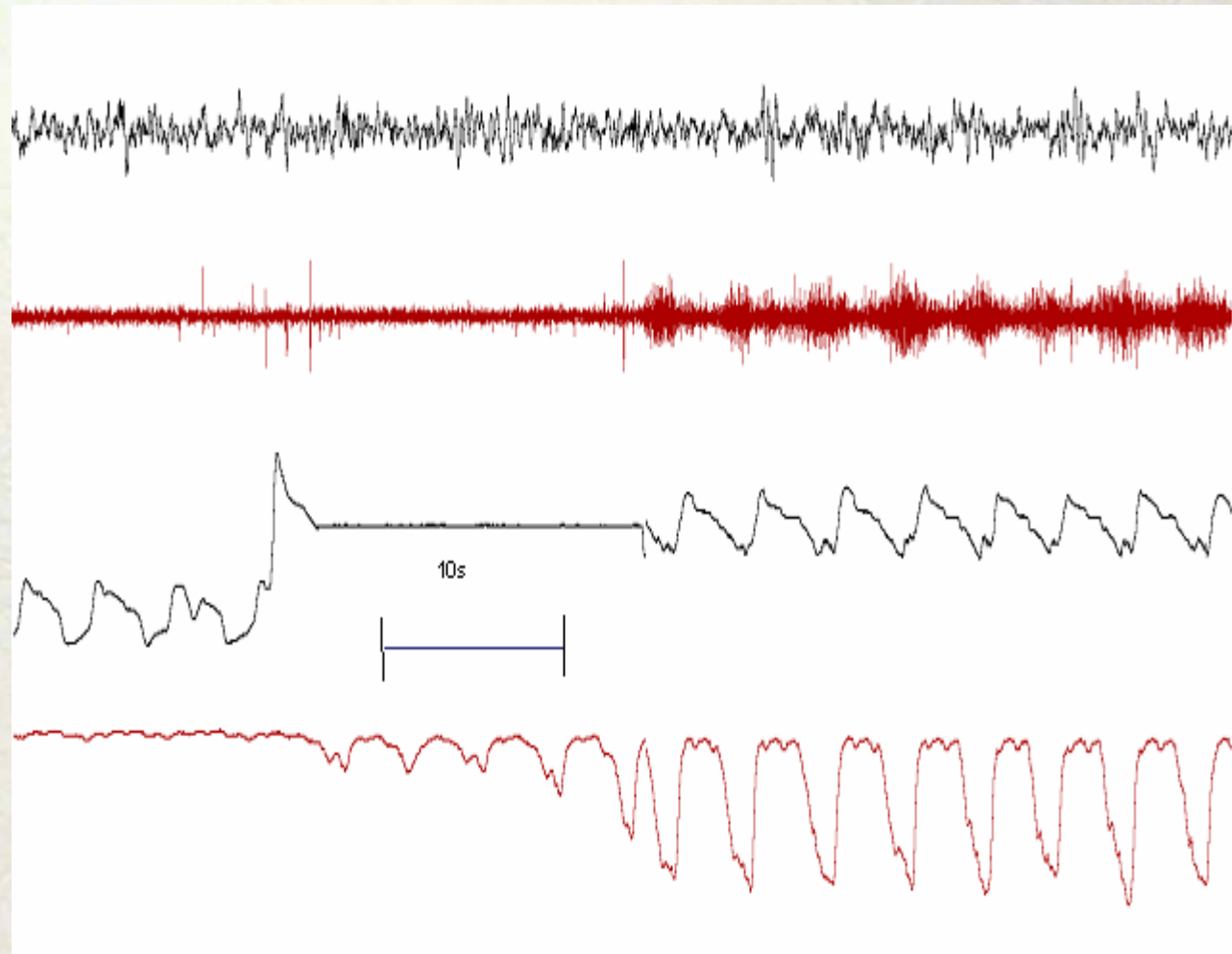
Sleep Studies

EEG
(μV)

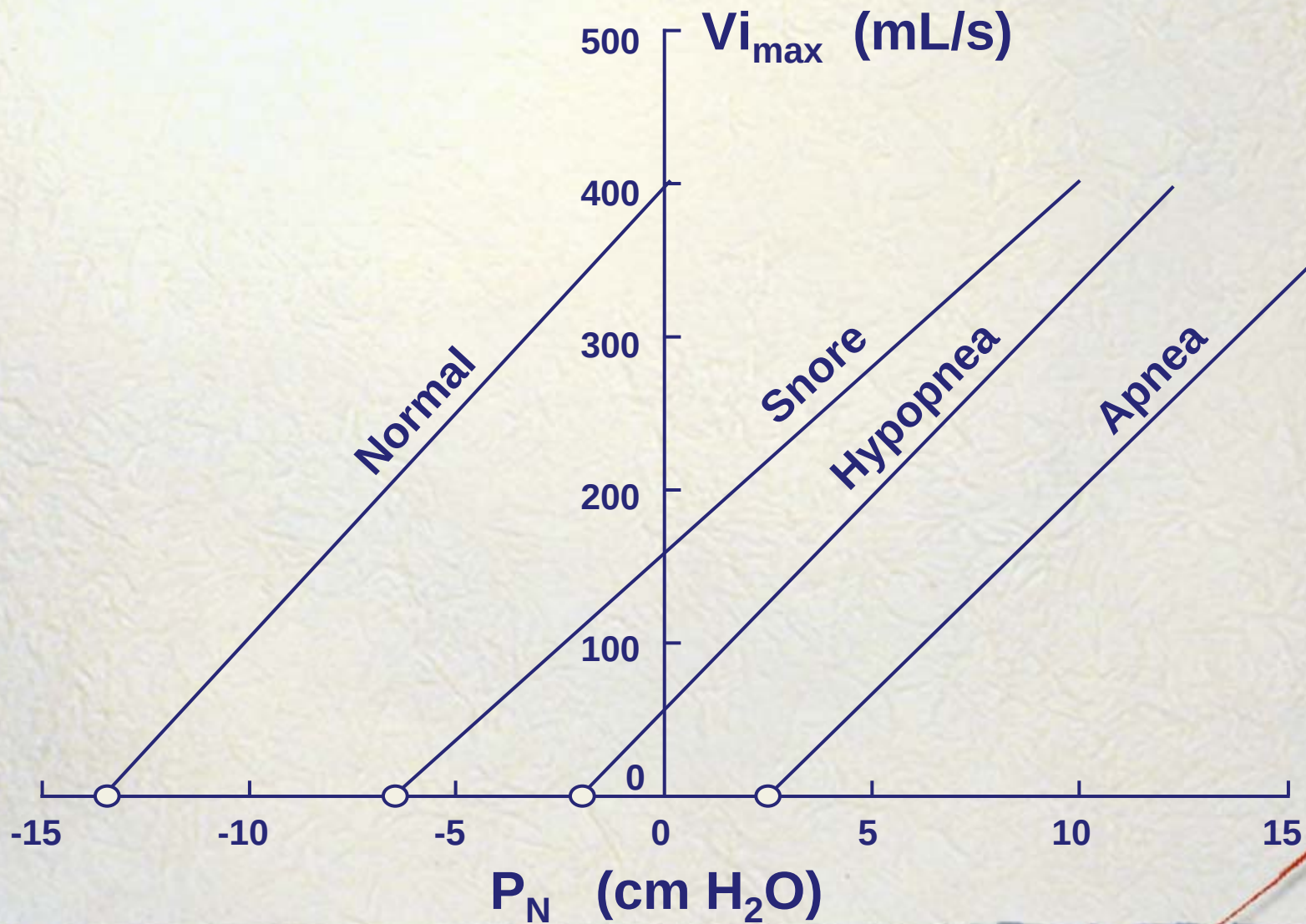
EMG
(μV)

Flow
(ml/s)

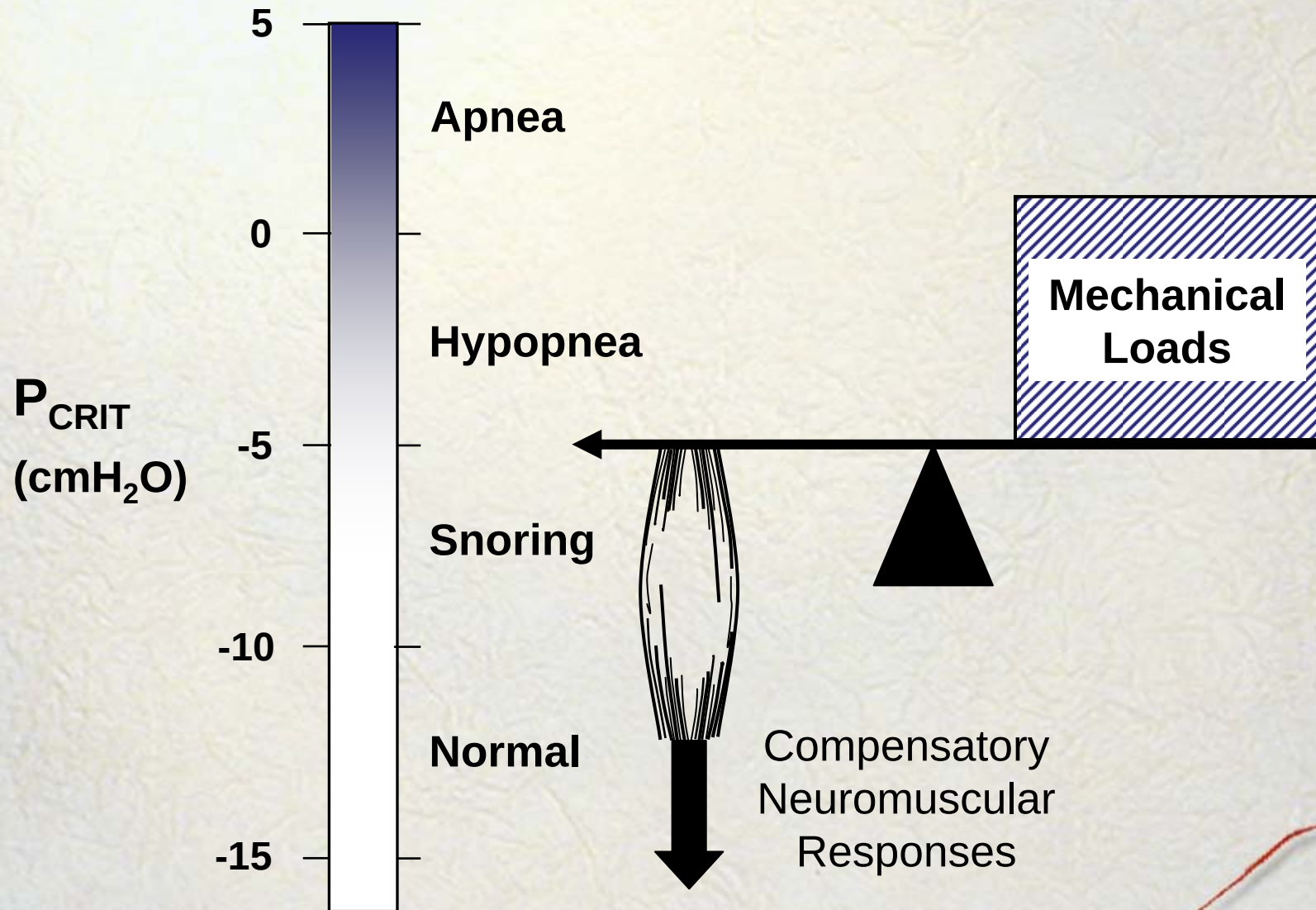
P_{ES}
(cmH₂O)



Sleep Apnea

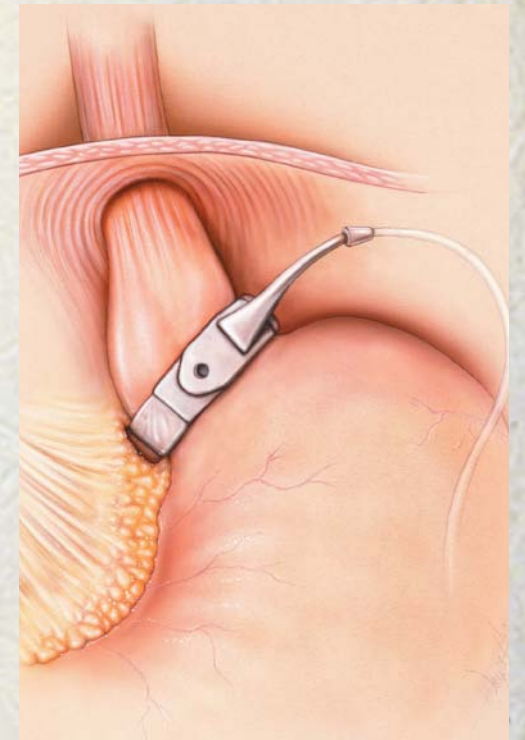
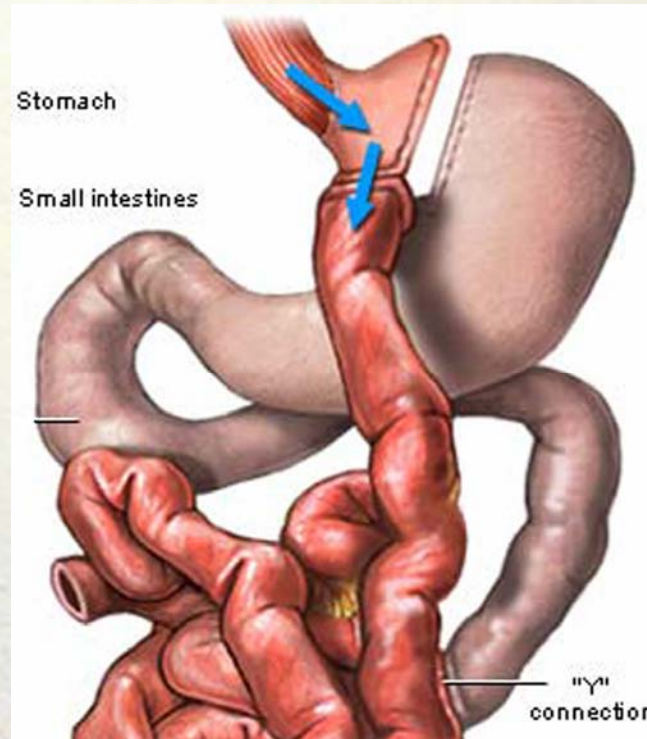


Sleep Apnea



BOSA Study

- Bariatric surgery
- Weight loss improves apnea?
- Genetic predisposition?



Interested?

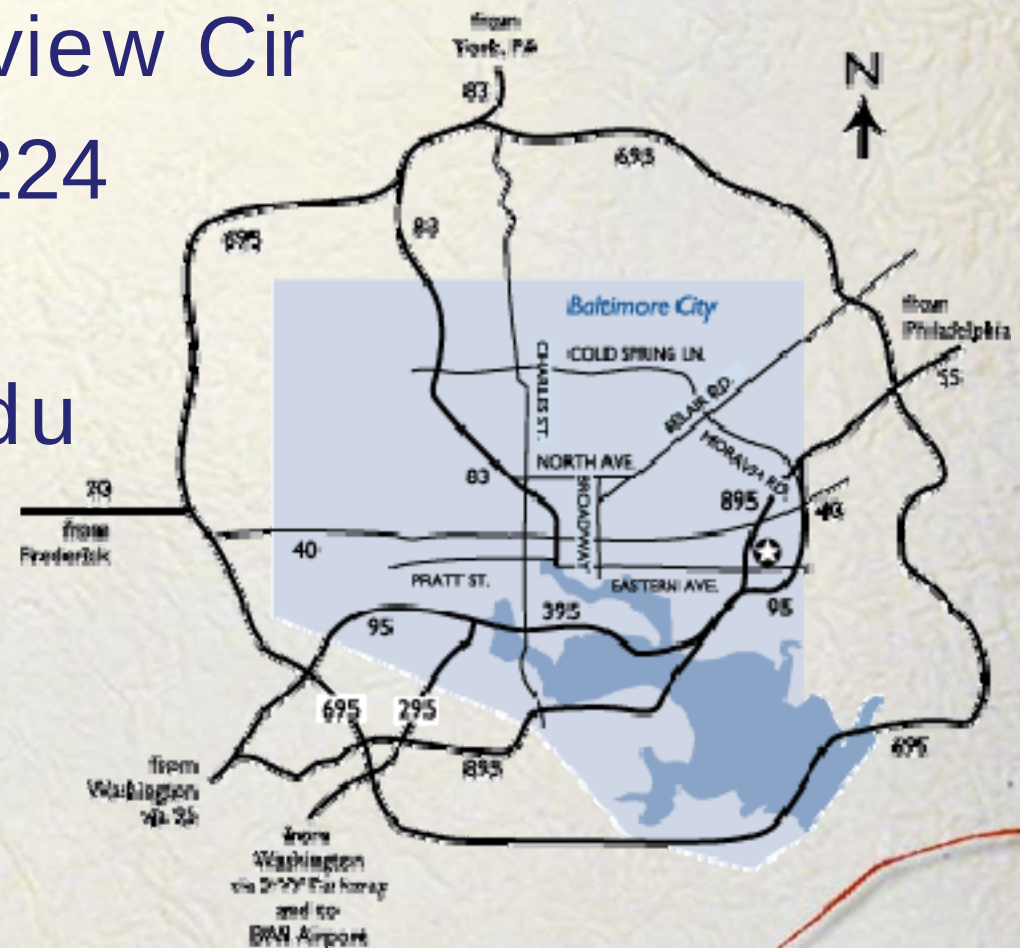
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References

- Gleadhill IC, Schwartz AR, Schubert N, et al. Upper airway collapsibility in snorers and in patients with obstructive hypopnea and apnea. *Am Rev Respir Dis* 1991; 143(6): 1300-3
- Patil SP, Schneider H, Marx JJ, et al. Neuromechanical Control of Upper Airway Patency During Sleep. *J Appl Physiol* 2006; doi:10.1152/jappphysiol.00282.2006
- Schwartz AR, Smith PL, Wise RA, et al. Effect of positive nasal pressure on upper airway pressure-flow relationships. *J Appl Physiol* 1989; 66(4): 1626-34