



Regulace dýchání

Karolína Liška

Ústav fyziologie, 2. lékařská fakulta, Univerzita Karlova

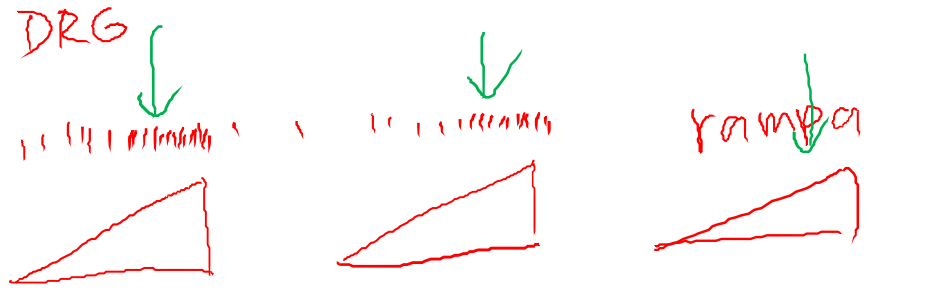


Obsah přednášky

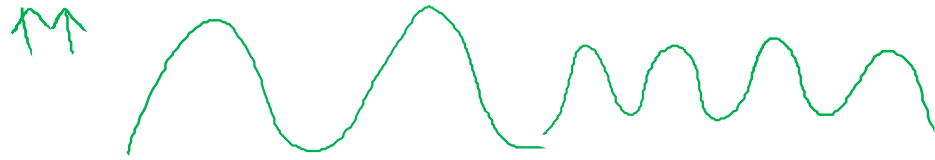
- Mozková centra zapojená do regulace respirace
- Modulace respirace
 - Mechanická
 - Chemická
 - Centrální a periferní chemoreceptory
- Reflexy
- Apnoe

Regulate respiration

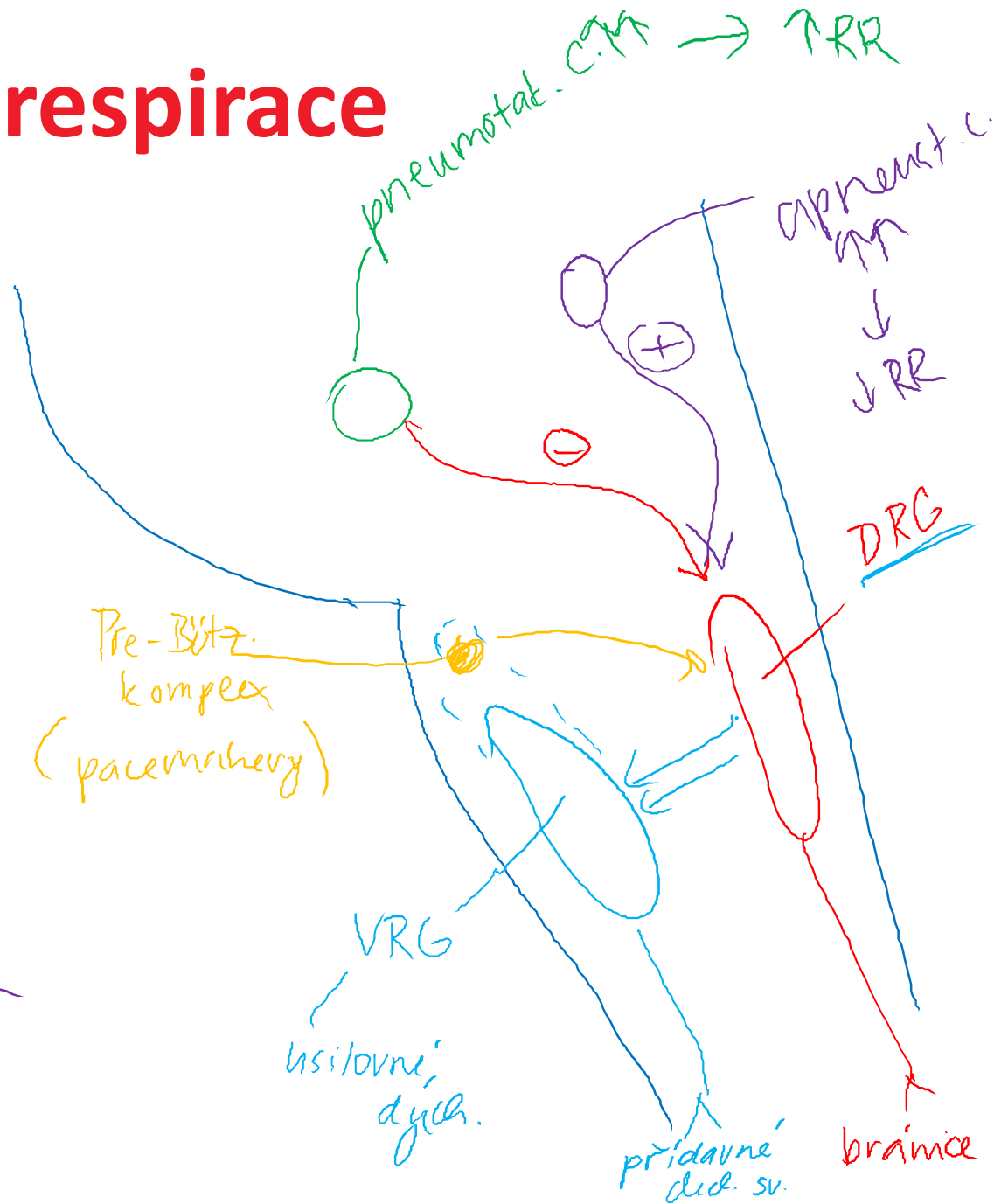
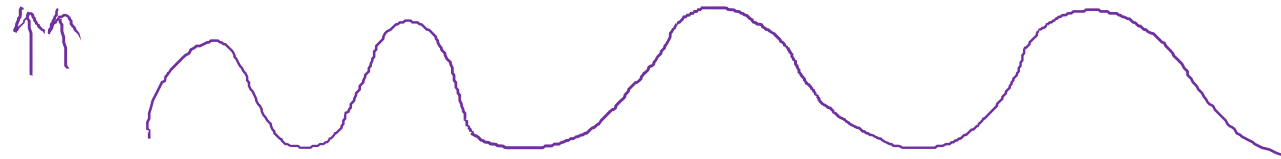
Centra řízení respirace



pneumotat. c.

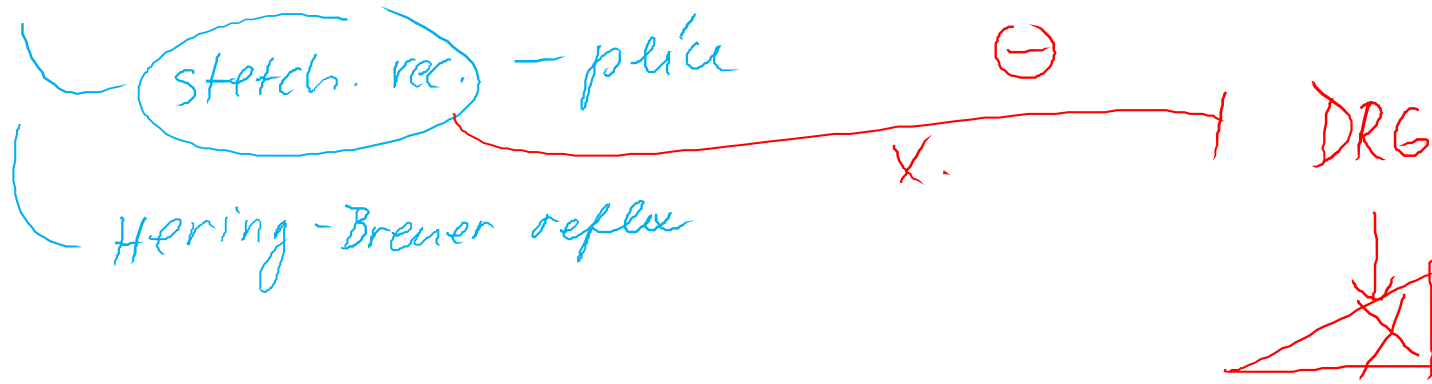


apneust. c.

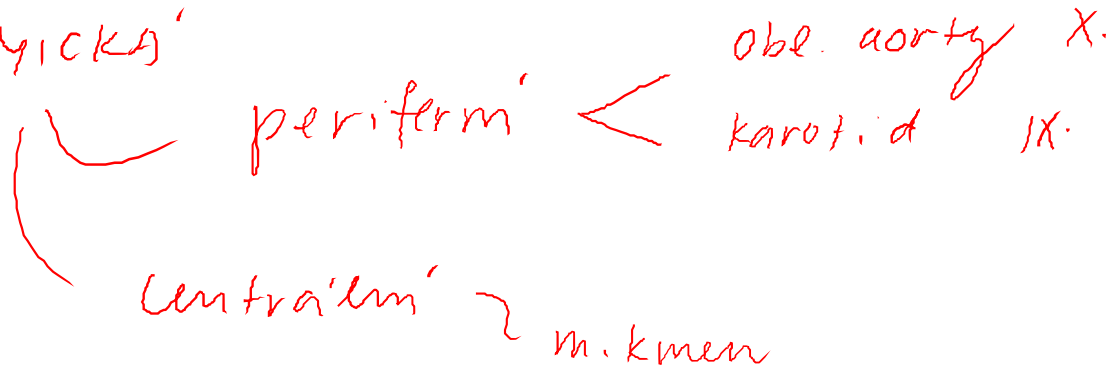


Regulace center

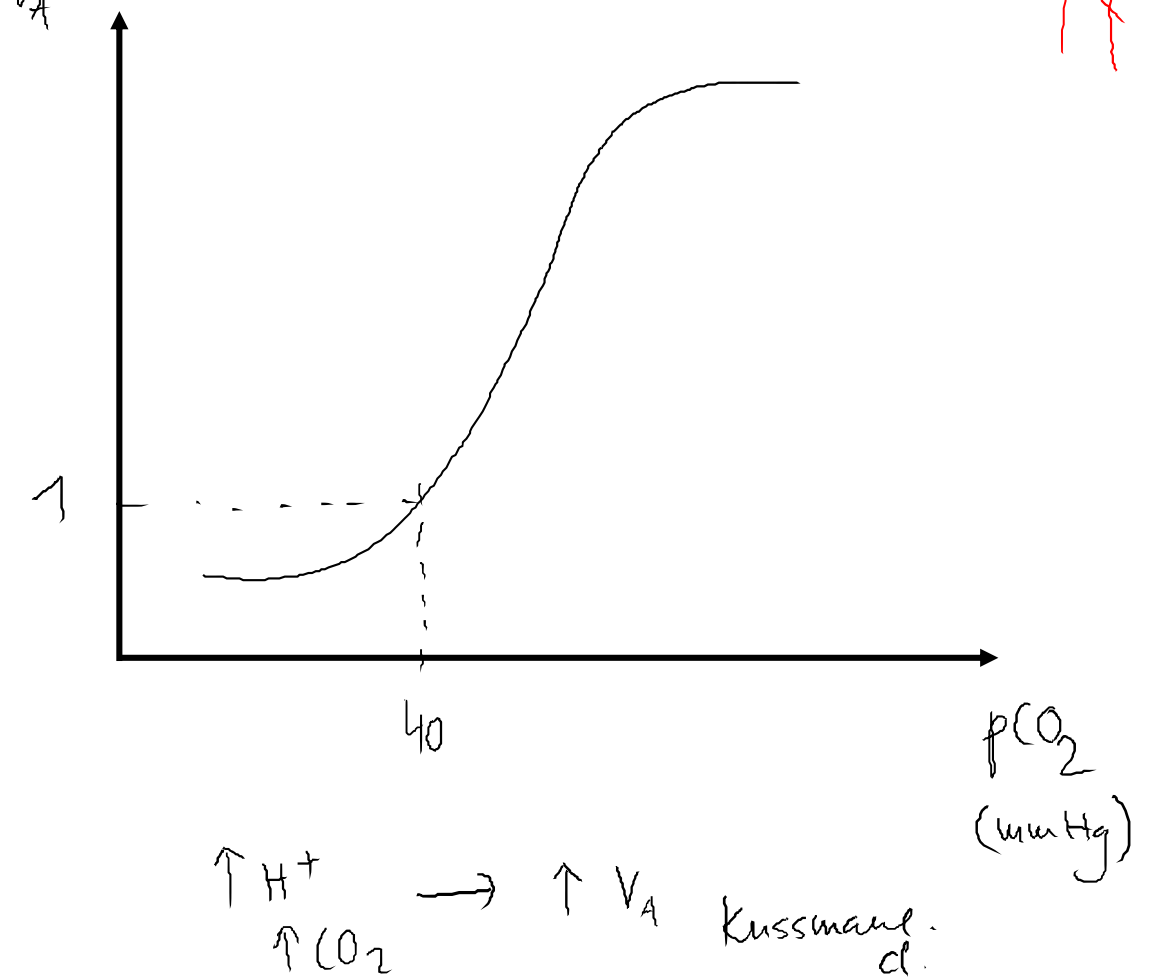
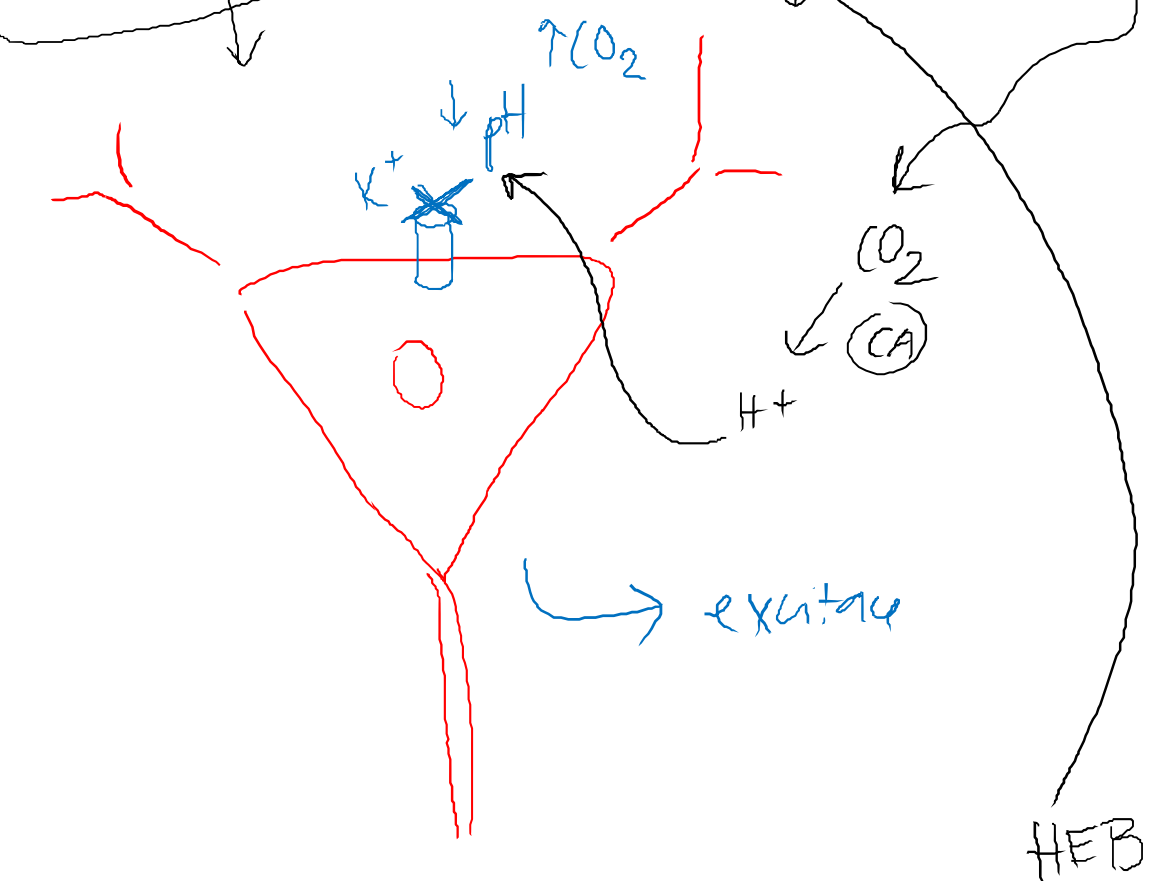
MECHANICKA'



CHEMICKA'

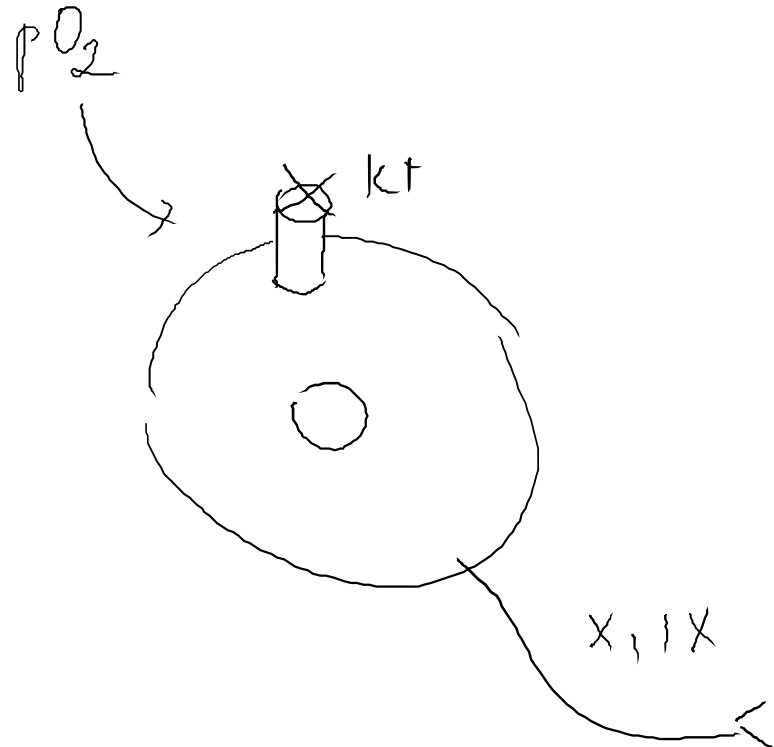


Centrální chemoreceptory



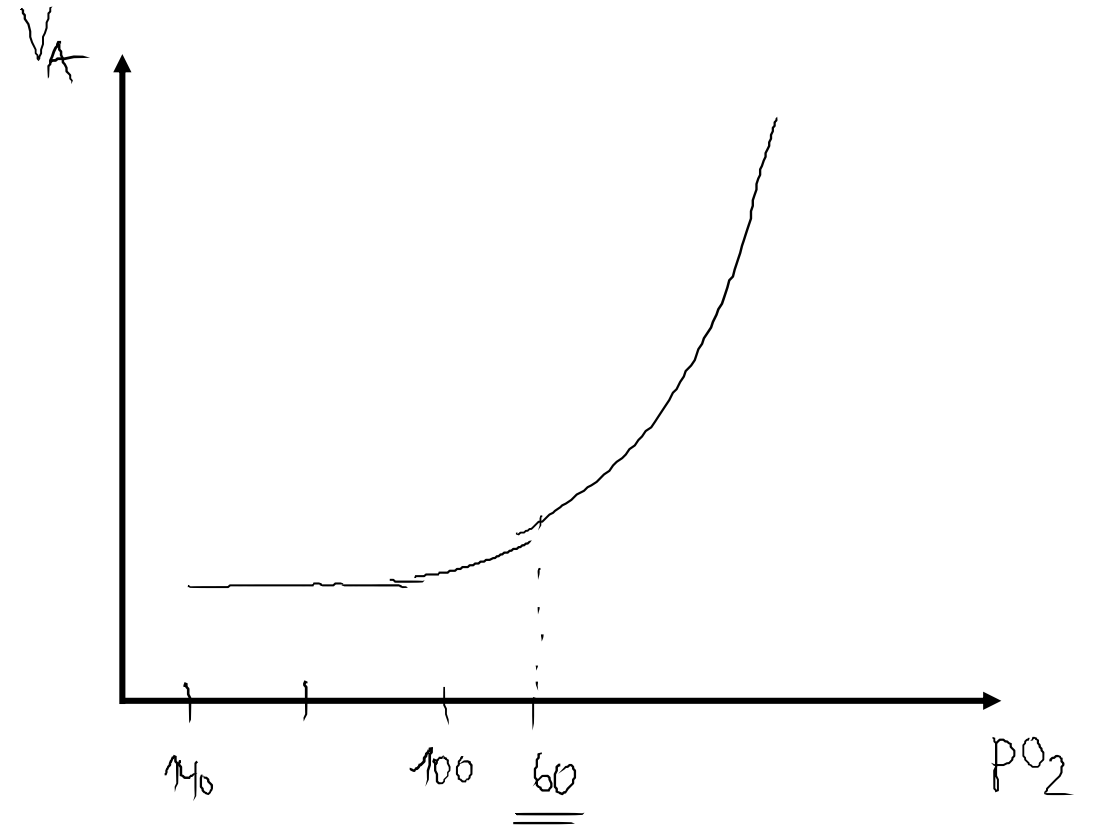
Periferní chemoreceptory

obl. aorty, karotidy

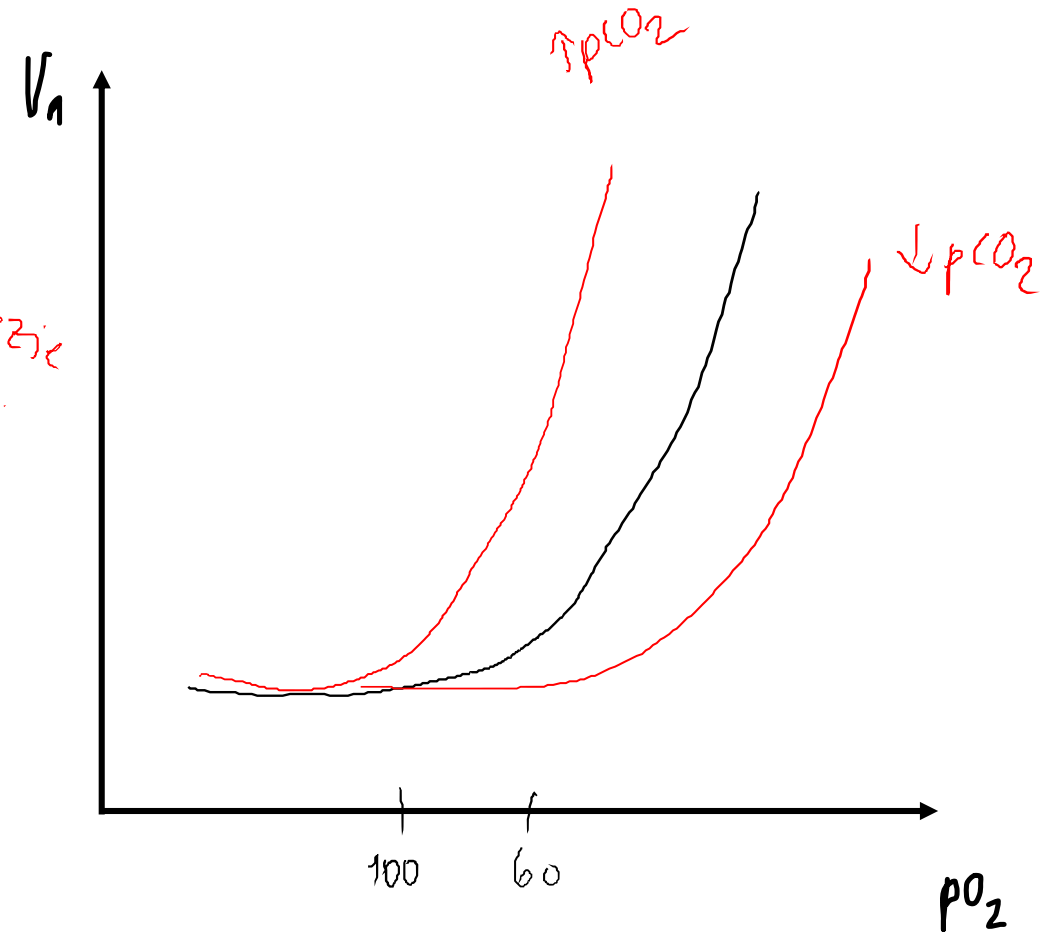
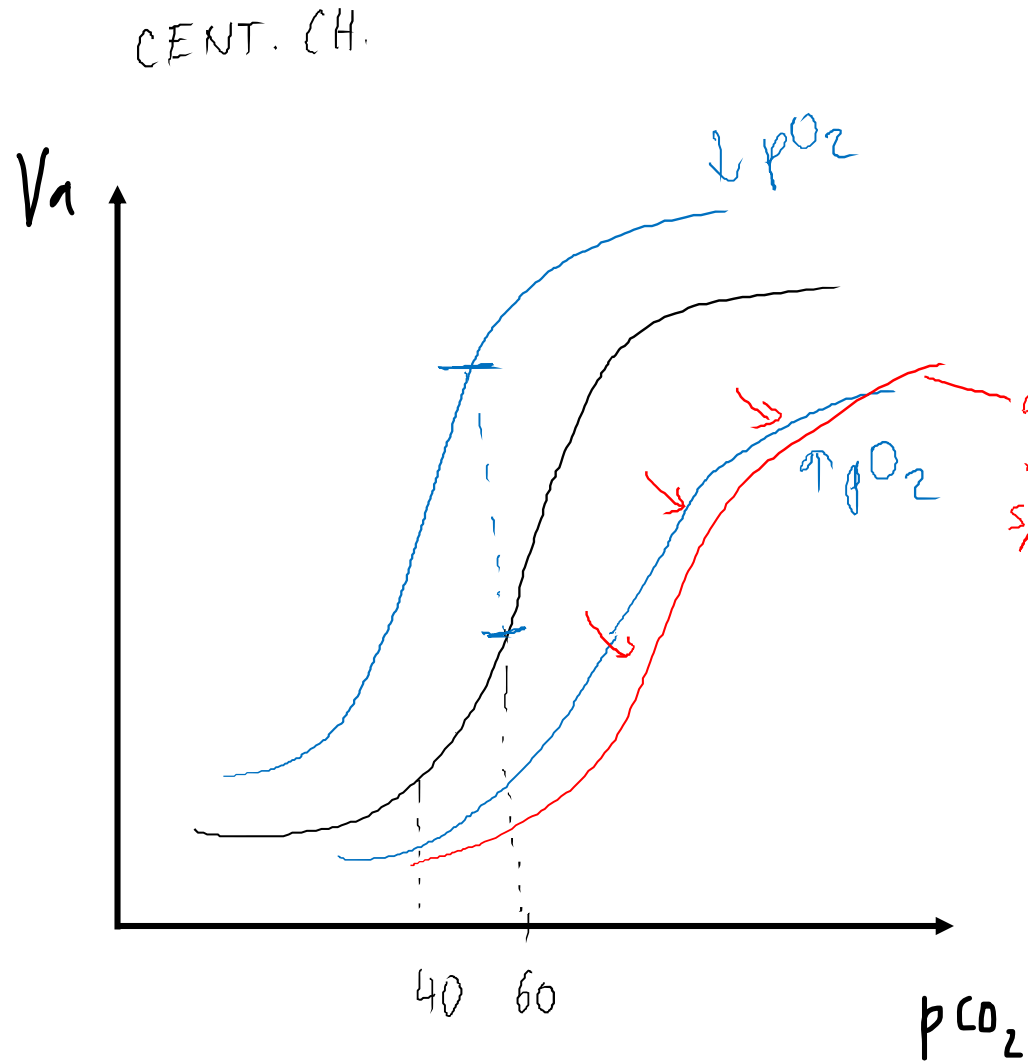


DRG

bránice



Modulace chemoreceptorů



Reflexy

- Hering-Breuer. r. - roztaž. plic

- kýchání
- kašání
- aspiracní r. } obr. reflexy

- potápěcí reflex

- fyzická akt.

↳ motorování

↳ dech. c.

↳ příprava na ↑ p_H. O₂

~ pO₂

~ pCO₂

~ p_H

→

↑ V_A

Apnoe

centrálne

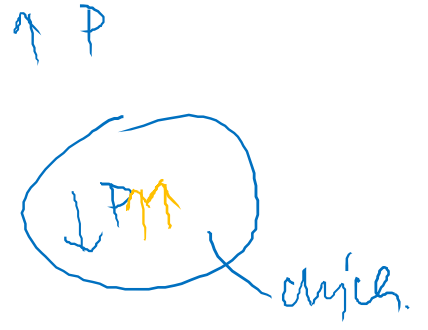
X pacemaker
m. kmen

spánk.

Obštrukčná

spánková

obezita



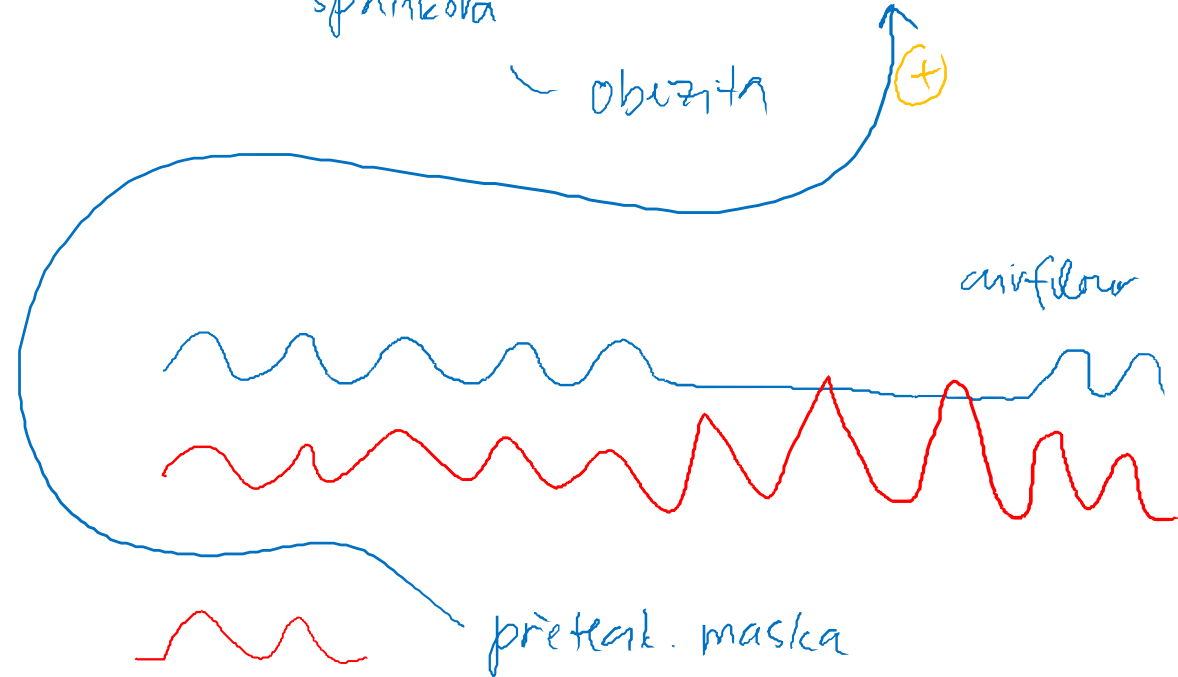
Ondimná kľeba

↳ spánok - ventilácie

SIDS



↳ hrudník
EMG prámice



pre-vent. maska



2. LÉKAŘSKÁ FAKULTA
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Děkuji za pozornost!