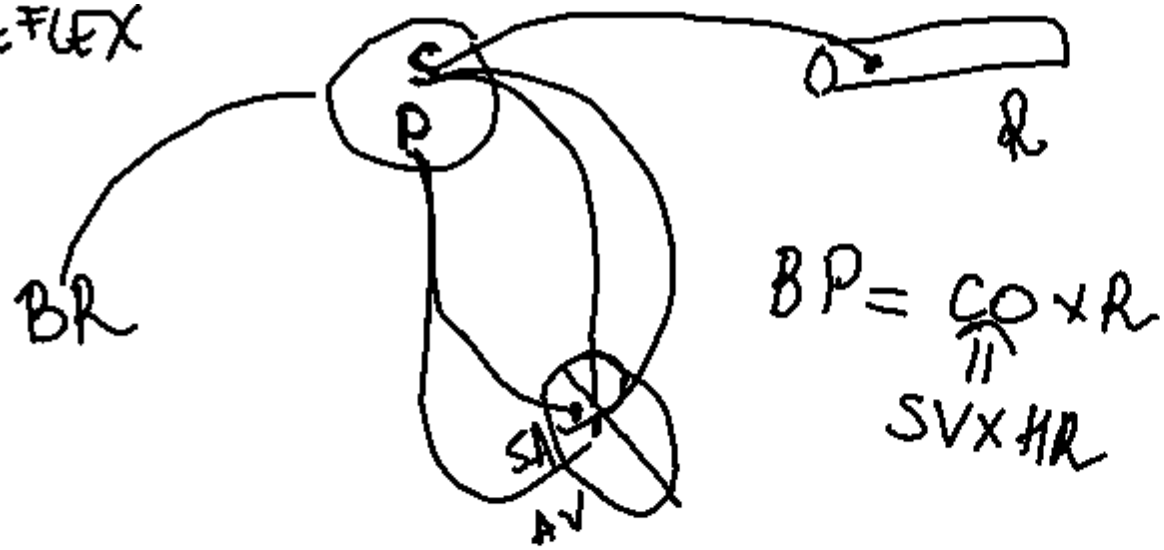


BAROREFLEX



$\uparrow S + \downarrow P$: $\uparrow R + \uparrow HR + \uparrow \text{E.C.F. COMP.}$

$\downarrow S + \uparrow P$: $\downarrow R + \downarrow HR + \downarrow \text{E.C.F. COMP.}$

$\downarrow V.R. \Rightarrow \downarrow SV \Rightarrow \downarrow CO \Rightarrow \downarrow BP \Rightarrow$
 $\Rightarrow \uparrow S + \downarrow P \Rightarrow \uparrow R + \uparrow HR \Rightarrow \uparrow BP$

RAAS

$\downarrow BP \Rightarrow \downarrow \text{FLOW RATE}$



\Rightarrow RENIN (JGA) + ATG (LIVER)

\Downarrow
~~AT I~~ + ACE

\Downarrow (ENDOT. C.)

AT II

ALDOST.,
 REABSORP. Na^+
 ($\uparrow SV$)

\downarrow
 VASO CONST.,
 $\uparrow R$

$$BP = \underbrace{SV \times HR}_{SBP} \times \underbrace{R}_{\Delta BP}$$

$$PP = SBP - \Delta BP$$

$$\Delta BP = \Delta BP + \frac{1}{3} PP$$

$$C = \frac{\Delta P}{\Delta V}$$

P_{mmHg}

SBP
110 → 139

PP

OSCILLATIONS
 ΔBP

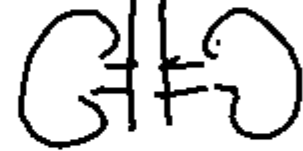
ΔBP

ΔBP
60 → 75

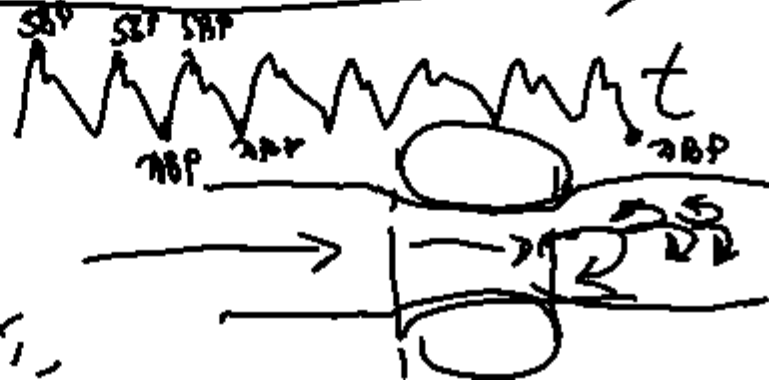
age ⇒ ↓ ELAST. I + ↑ COLLAG. I.

↓ C ⇒

ELASTIC AORTA!!!



↑ SBP + ↓ ΔBP ⇒ ISOLAT. SST. HYPERT.

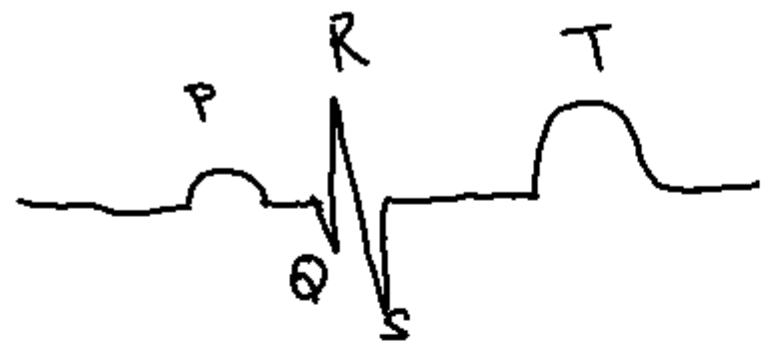


↓ ESTROG ⇒ ↑ R ⇒ ↑ ΔBP

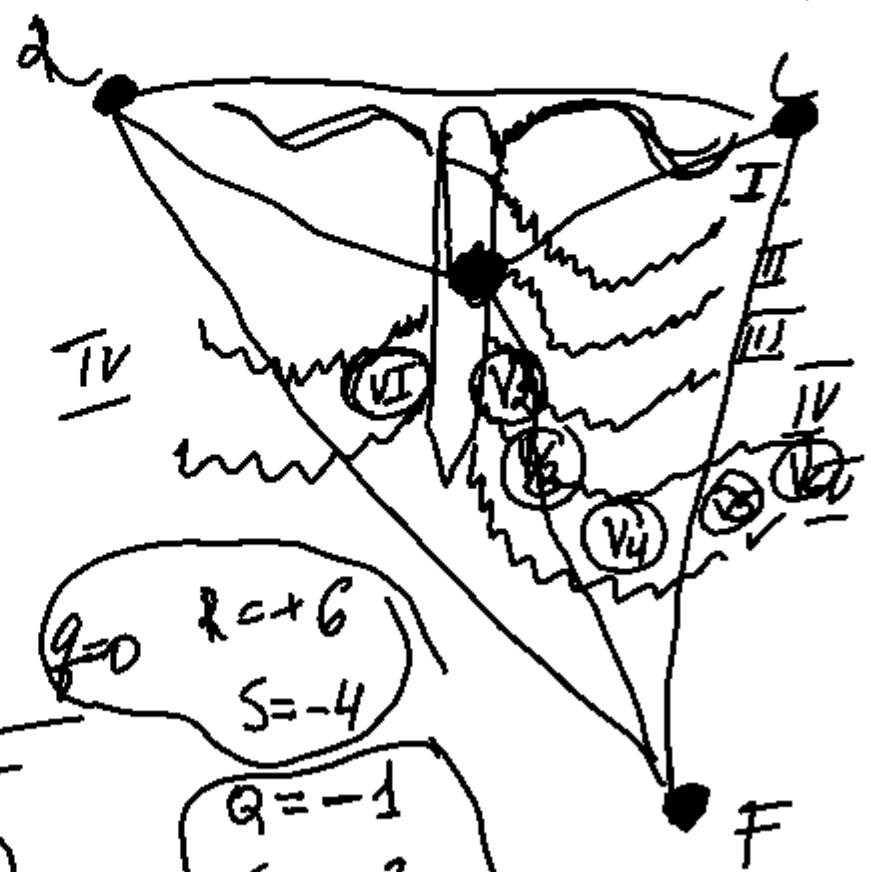
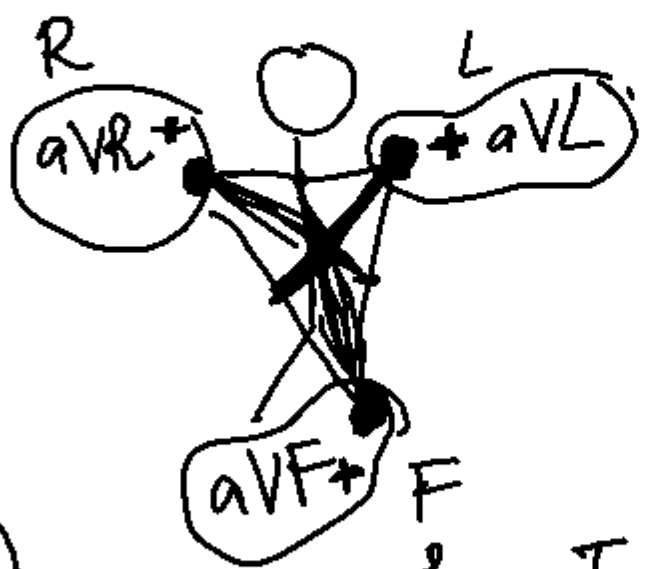
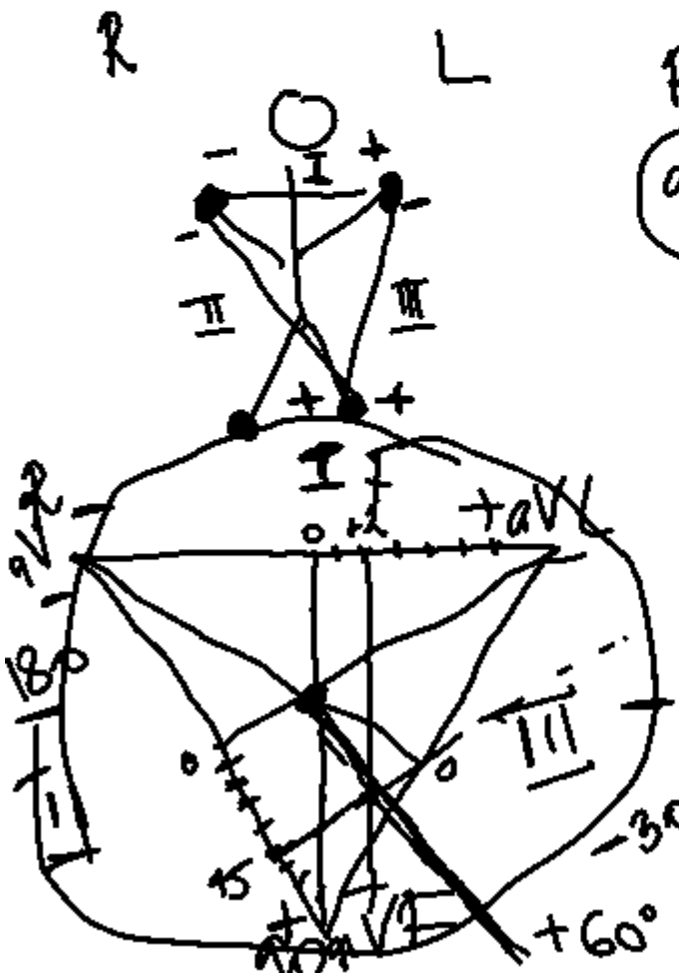
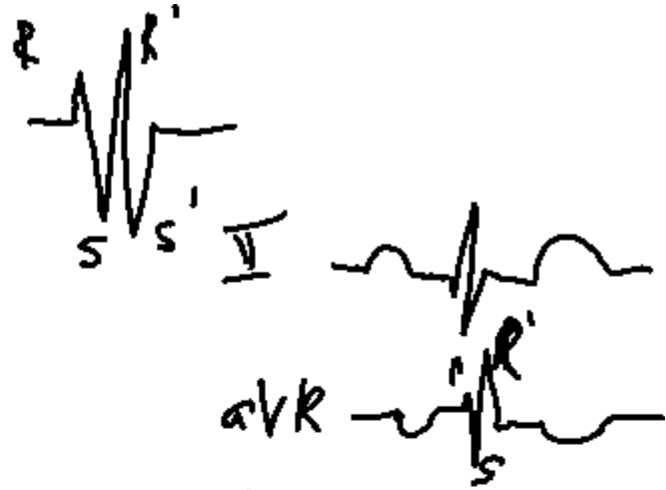
ISOLAT. DIAS. HYPERT.

$R_E > 1000$

↑
TURB. B.F.



Q: \bar{I} , - 'before +'
 R: + '
 S: - 'after +'



$Q=0$ $R=+6$ $S=-4$
 $Q=-1$ $S=-3$ $R=+9$





■

■

