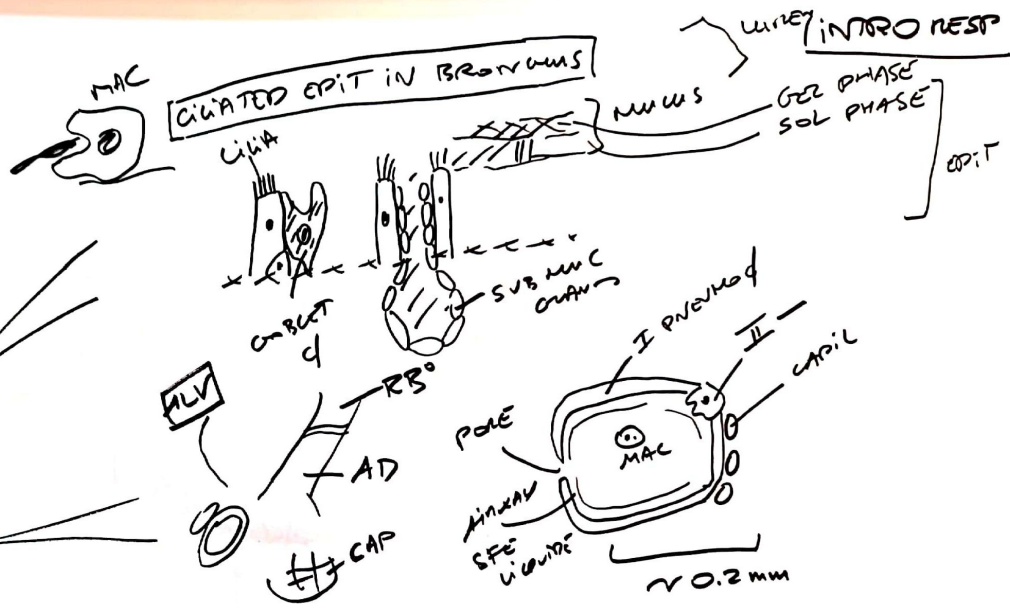
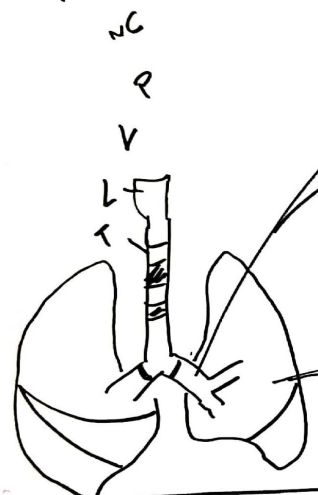
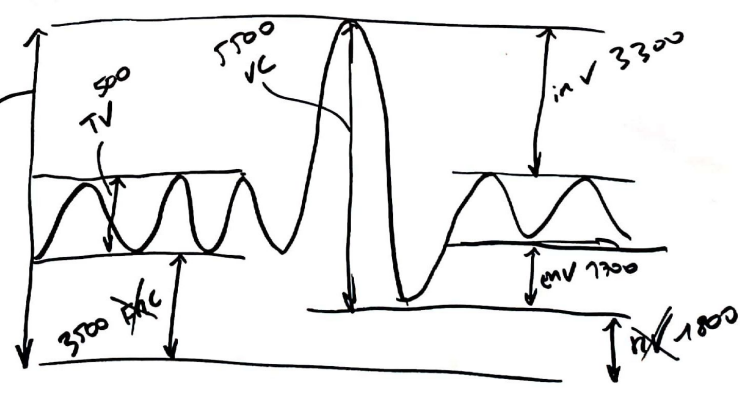
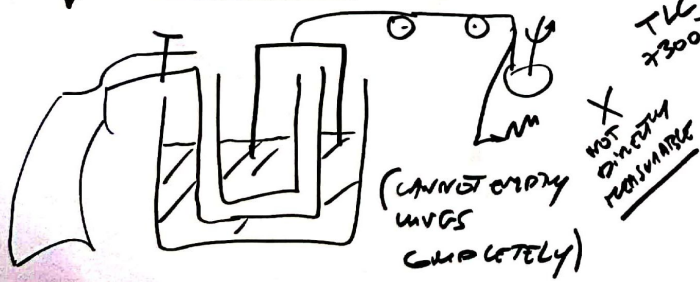


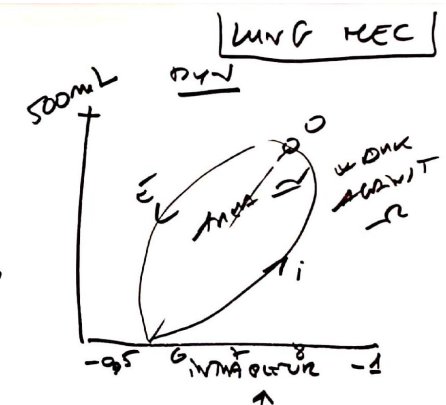
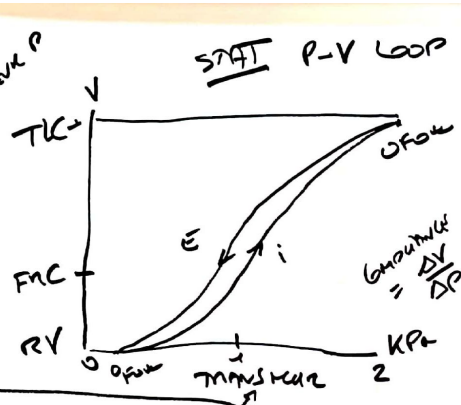
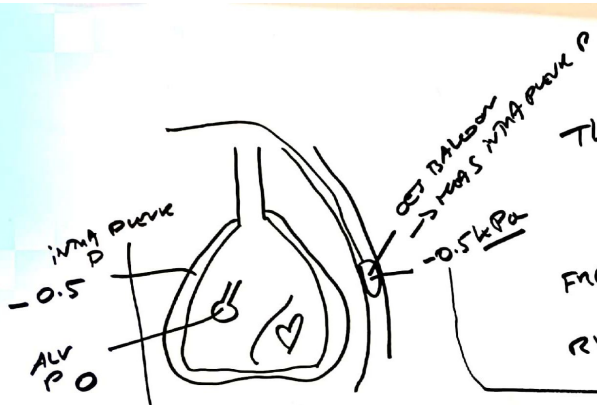
TRACT



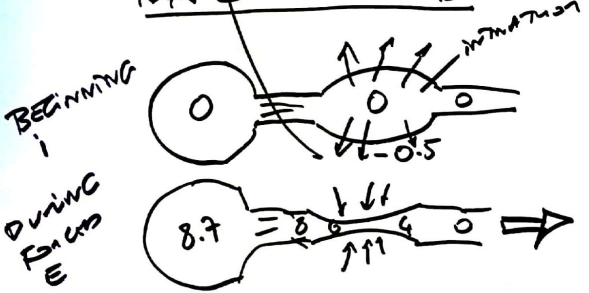
LUNG VOL MEAS WITH SIMPLE H_2O SPIROMETER



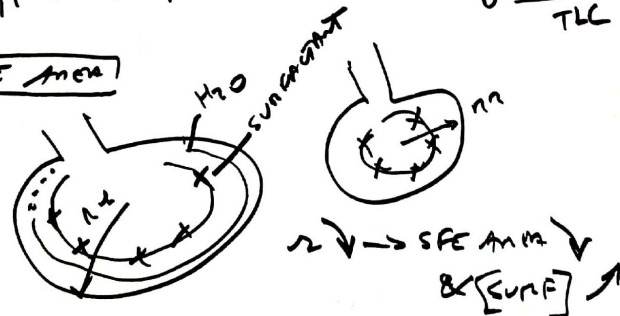
ML



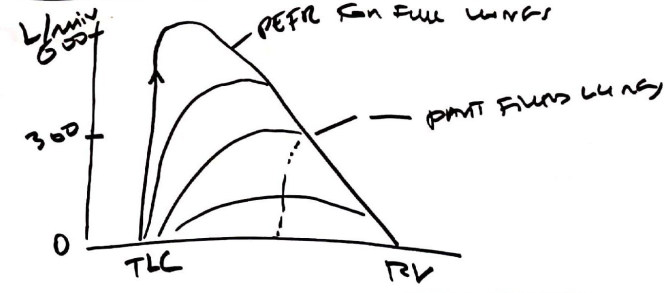
DYN CHANGE AIRWAYS



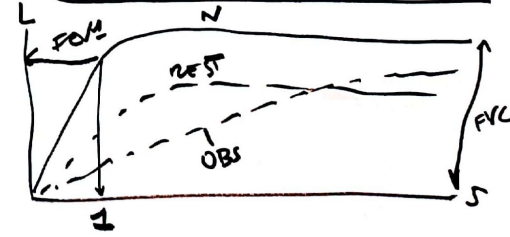
EFFECT OF SFC AREA



EFFECT OF EFFORT ON E AIRFLOW



FORCED EXPIRATORY SPIROGRAM



FRAC TIONAL GNC_s (KPa) →

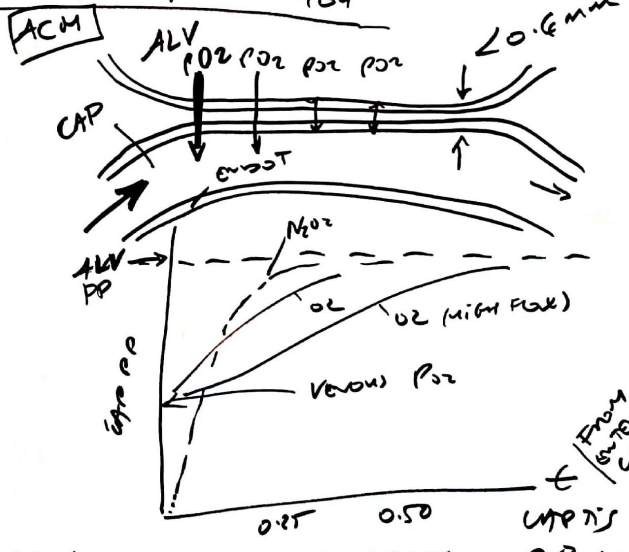
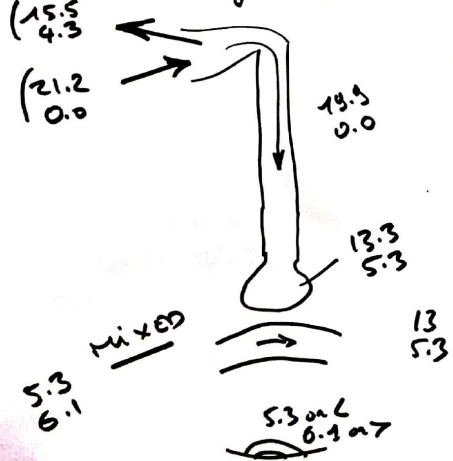
Barometric P (101.325 kPa)

DRY ROOM AIR

F.C. PARTIAL P		PP KPa		37°C & 100% HUMIDITY (SWVP)		ANALYSED ROOM AIR		ALV		TRANSF GASES & GAS LAWS
F _{O₂} 0.21	O ₂	P _{O₂} 21.2	0.06	H ₂ O	6.3	0.06	H ₂ O	6.3		
			0.2	O ₂	19.9	0.05	O ₂	5.3		
			0.74	N ₂	76.8	0.13	O ₂	13.3		
F _{N₂} 0.79	N ₂	P _{N₂} 79.8				0.75	N ₂	76.1		
			1		101	1		101		

← P_{O₂} ↑ P_{N₂} ↓

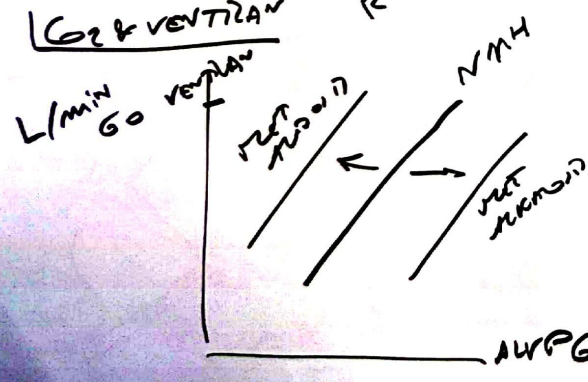
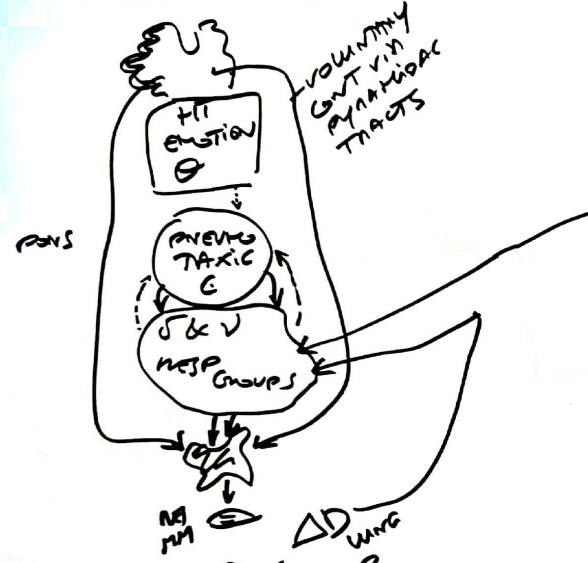
(GAS PP kPa
AIRWAY & BD
VALUES X 7.5 for
mm Hg)



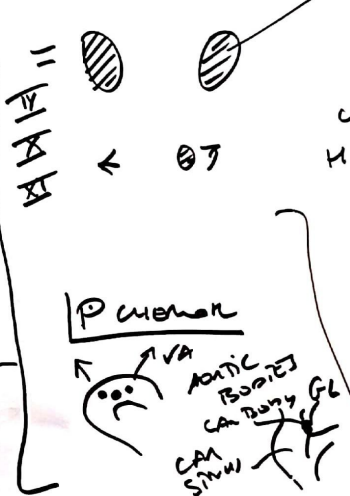
≠ ALV & a P_{O₂} ← SHUNTS / ≠ ALV & HALVED ← DEAD SPACE

GNT BREATHING

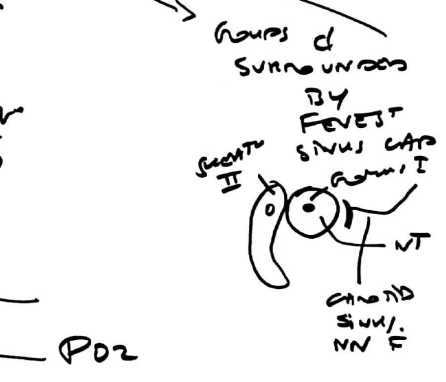
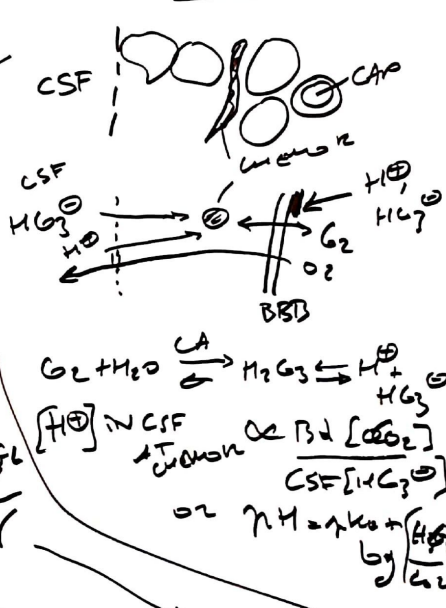
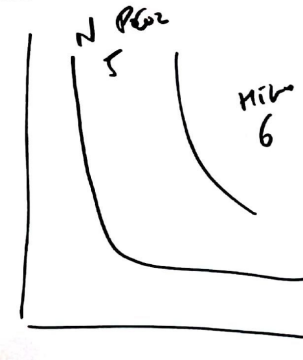
C NEURAL PATHWAY



C CHEMOR

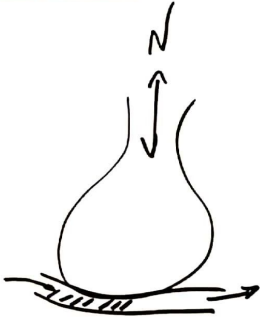


O₂ & VENTILATION



≠ TYP V_A/Q MISMATCHING

$V_A = N$
 $Q = N$
 $V_A/Q = \frac{N}{N} = 1$



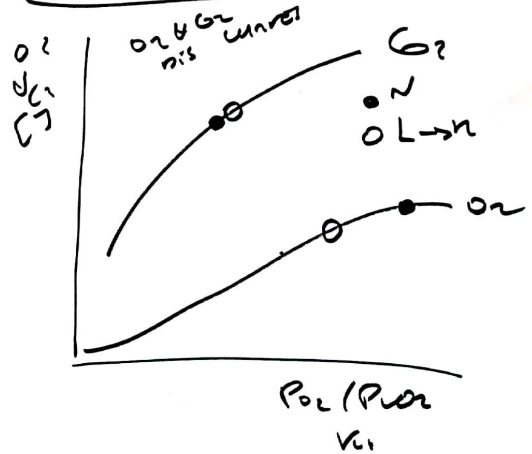
- TSD GASES IN OUTFLUX

$P_{O_2} = N$
 $P_{CO_2} = N$
 O_2 CNT = N
 O_2 - IN
 $P_{O_2} = \uparrow$
 O_2 CNT = NIL

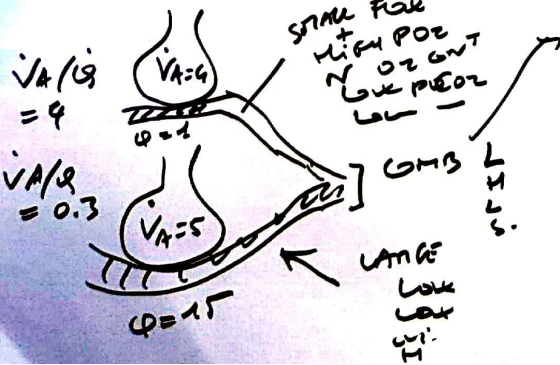
- EFFECT OF P_{O_2} IN INSPIRED AIR

5.4 & 2.2
 5.1

CONSIDER OF $L \rightarrow R$ ON A PSD GAS



EFFECT MIXTURE OF HIGH & LOW V_A/Q REGIONS ON A PSD GAS



P & C approach
 \downarrow
 \rightarrow VENTN

FINAL
 \rightarrow L
 Non L
 L
 Non L