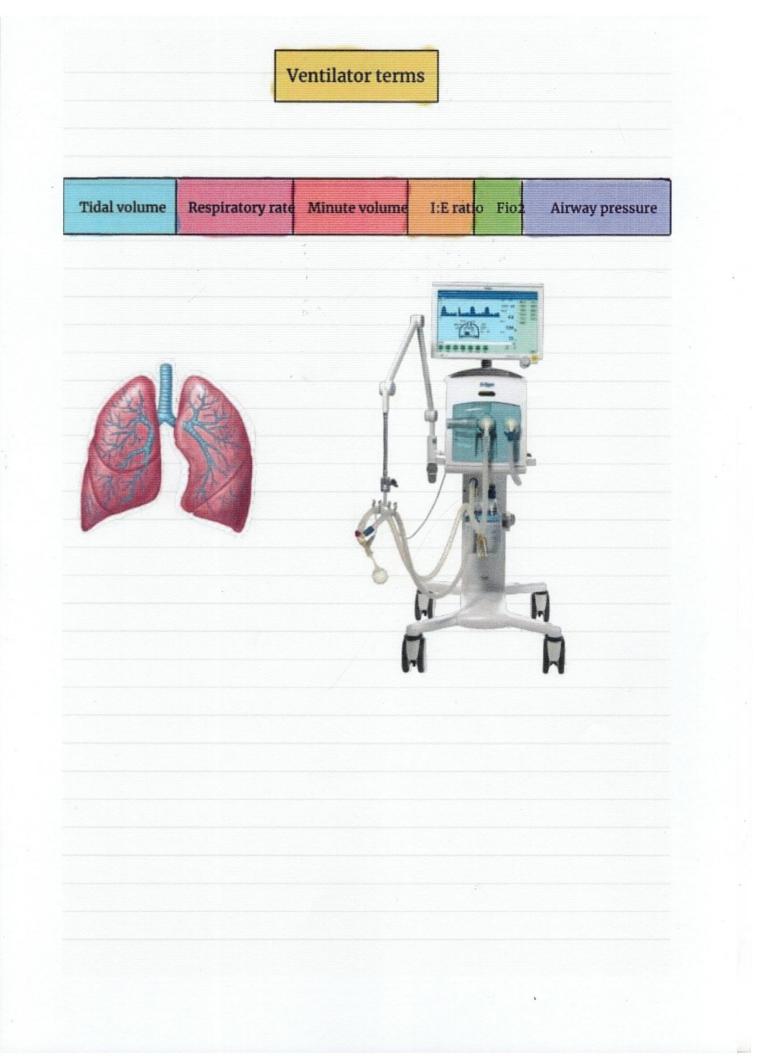


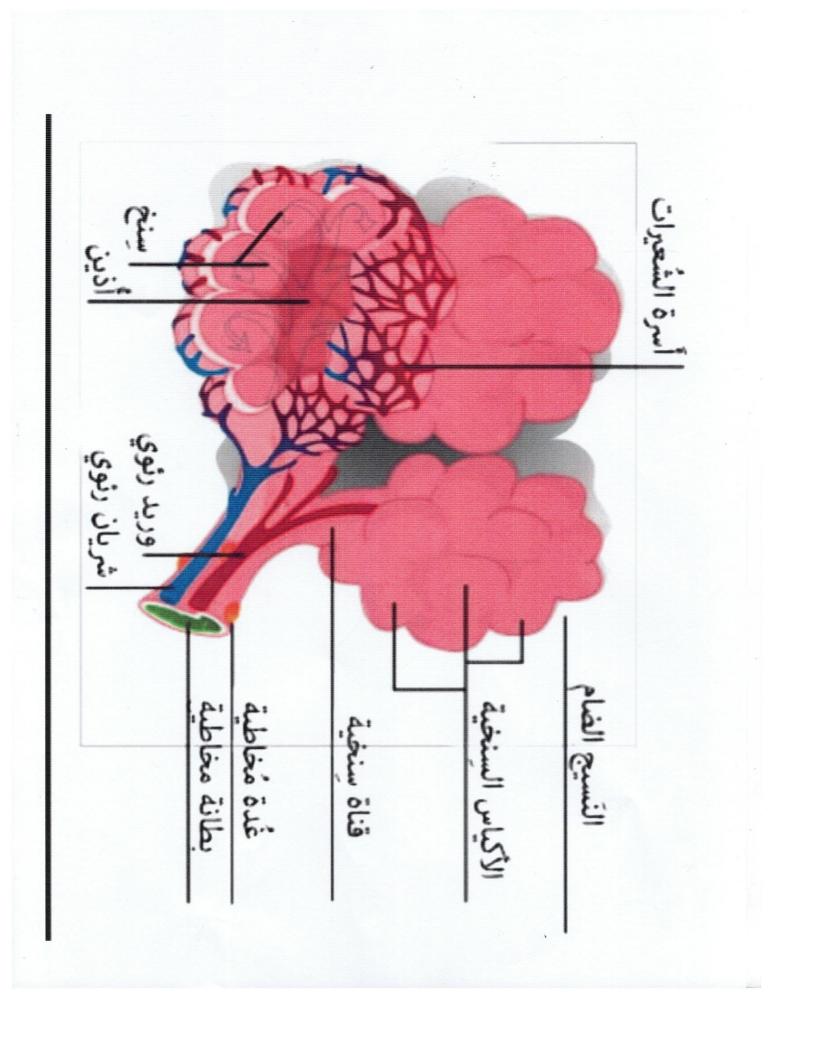
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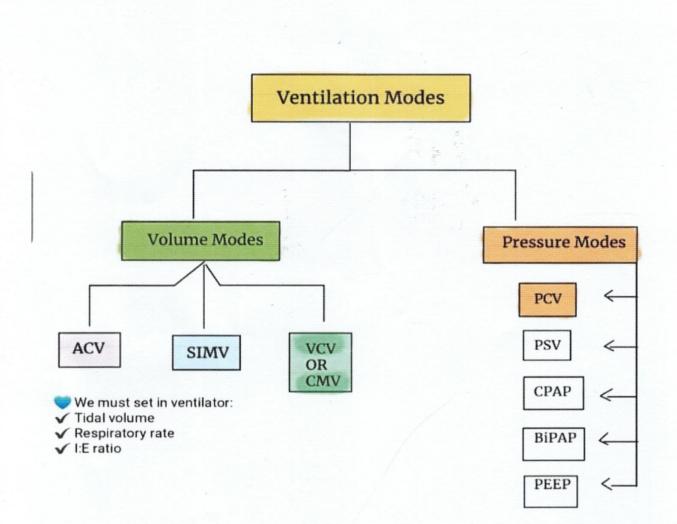


Collage of Health and

Ahethetic Equipments BY CC, Medical Ahethetic Equipments BY







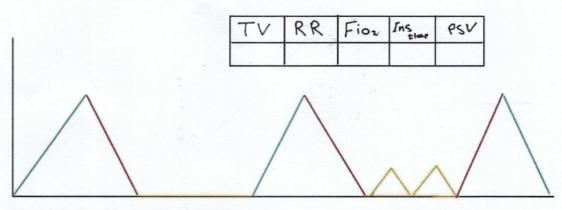
1- Volume Controlled Ventilation (VCV) or Continuous Mandatory Ventilation (CMV)

- ✓ Patient receives preset tidal volume
- ✓ Patient can't increase RR or breath spontaneously
- ✓ The patient should be paralyzed



2- Synchronized Intermittent Mandatory Ventilation (SIMV)

✓ In between mandatory breaths patient is allowed to take spontaneous breath at any tidal volume (T.V)



Mandatory breath

spontaneous breaths mandatory breath spontaneous breaths

🔅 SIMV mode is useful during weaning patients from ventilator 🥶

TV	RR	Fioz	Ins	PSV
500	10	70	1.7	10

3- Assist Control Ventilation (AC) mode

✓ Ventilator delivers a preset tidal volume at a preset R.R when there is no respiratory effort from the patient .

✓ If the patient triggers a spontaneous respiratory effort earlier than the time interval created by the set R.R , the ventilator will still deliver the breath at the set tidal volume and then rests the time interval for the next breath.

✓ All breaths are delivered at the set tidal volume whether it was ventilator triggered or patient triggered.

