

Нb

curve

lung volumes &

capacities

respiratory

physiolog

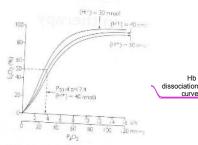


Fig. 22.1 Hb oxygen dissociation curve. Normal of the modif (H+) and shifts to left and right. P50 = ter 50% saturation.

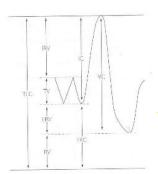


Fig. 28.1 Lung volumes and capacities. TLC, total lung capacity; IRV inspiratory reserve volume; TV, tidal volume ERV expiratory reserve volume; TV, residual volume; IC, inspiratory capacity; FRC, functional residual capacity; VC, vital capacity.

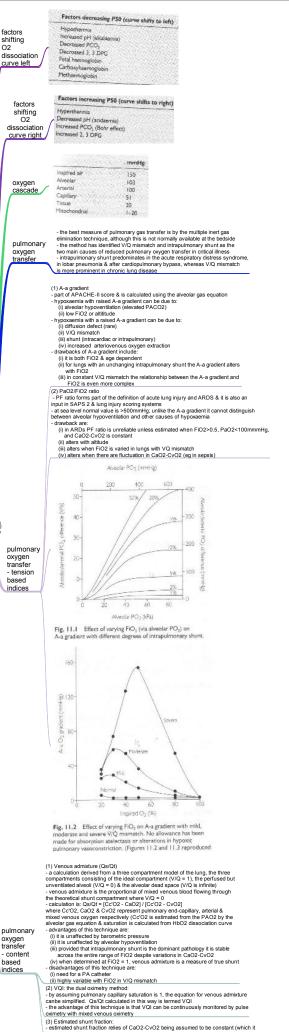
Oxygen flow rate (I/min)	Approximate FiO <sub>1</sub>	
4	0.35	O2 fle
6 10 2 20 20 10 10 10 10 10 10 10 10 10 10 10 10 10	0.50	throu
8	0.55	ma
10	0.60	IIIG
12 000000 5550 5000 500	0.65	
15	0.70	

Apparatus/device	Oxygen flow (I/min)	Concentrations (%)	
kasal catheters cmi-rigid mask (e.g. MC, Edinburgh, Hudson, Harns) enturi-type mask	2-6 4-15	25-40 35-70	O2 from various devices
individual concentration marks interchangeable entrainment discs in pastic made (e.g. Preumask, Polymask, Oxyaire) analysis seasthesia circuits AP circuis actic healthood regen terizon bason	varying varying varying 4-8 7-10	40, 50, 60 40, 90 21-100 21-100 21-100 30-50 60-80 up to 40	



Fig. 23.3 Fox-volume loops. Patterns resideng from different pathological lesions of obstructive patinciary disease or satirms). (b) fixed, non-variable appar arrivey obstruit upper advocy obstruction in readforance (e.g. e.mour in the lower traches), (d) variable (e.g. vocal conditional or paralysis).

PAO2 = [FiO2 X (760mmg-47)] - PaCO2 / 0.8



pulmonary oxygen transfer - content

(3) Estimated shunt fraction:
- estimated shunt fraction relies of CaO2-CvO2 being assumed to be constant (which it is not in critical illness

alveolar

based indices