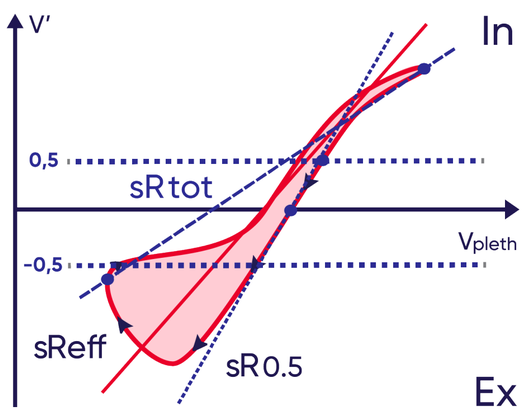
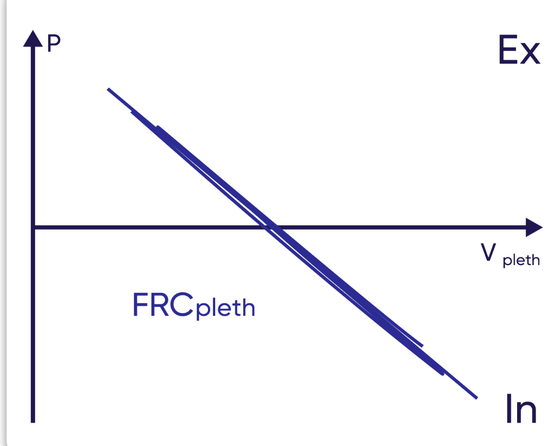
Whole-Body Plethysmography

Breathing Maneuvers

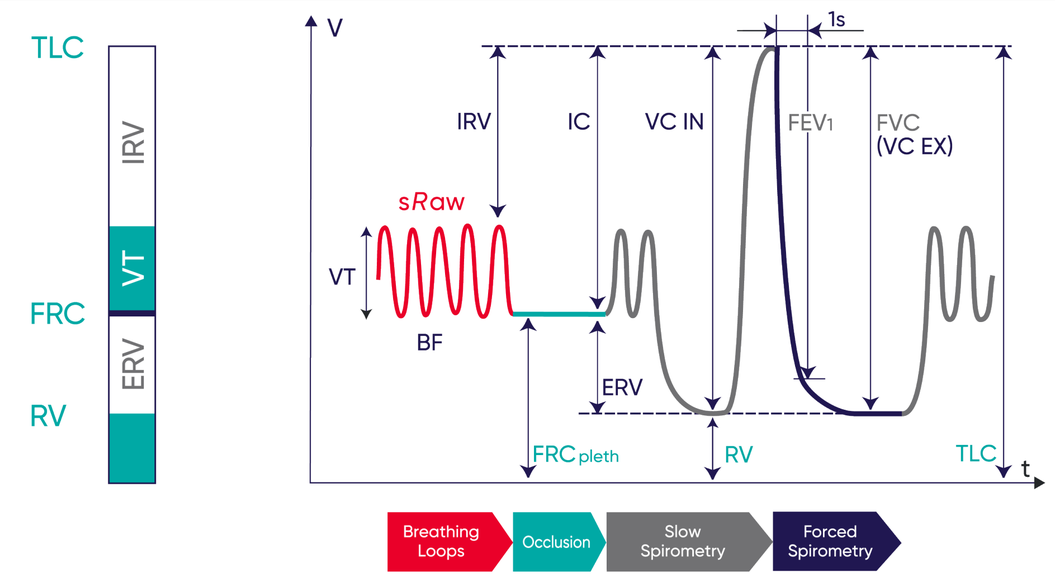
Breathing Loop



Occlusion-Pressure-Curve



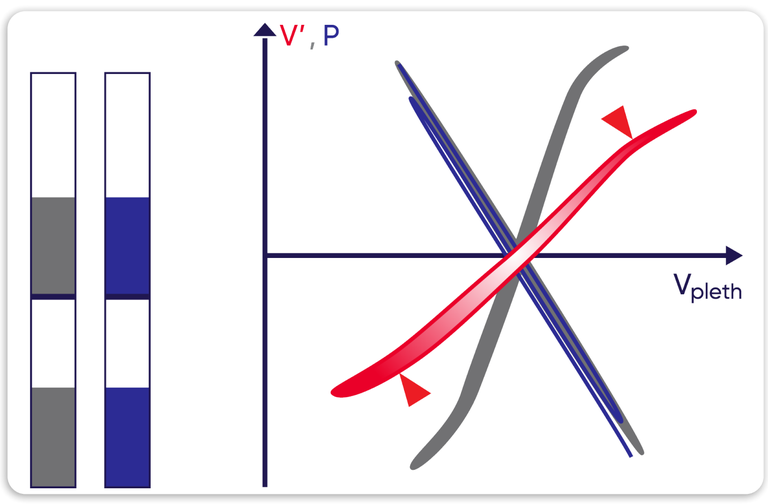
Linked Maneuver



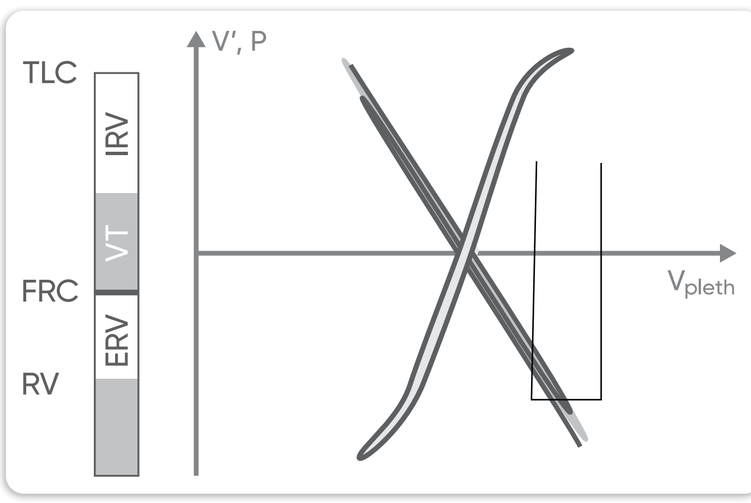
	Parameter	Description
(Specific) airway resistances	sRaw (sReff, sRtot, sR0.5)	Specific airway resistance
	$sGaw = sRaw^{-1}$	Specific airway conductance
	Raw (Reff, Rtot, R0.5)	Airway resistance
	$Gaw = Raw^{-1}$	Airway conductance
Absolute lung volumes	TLC	Total lung capacity
	FRCpleth	Functional residual capacity
	RV	Residual volume
Slow Spirometry	VT	Tidal volume
	BF	Breathing frequency
	IRV	Inspiratory reserve volume
	ERV	Expiratory reserve volume
	IC	Inspiratory capacity
	VC IN	Inspiratory vital capacity
	VC EX	Expiratory vital capacity
Forced	FEV1	Forced expiratory volume in 1 s
	FVC	Forced vital capacity

Typical Curve Shapes in Health and Disease

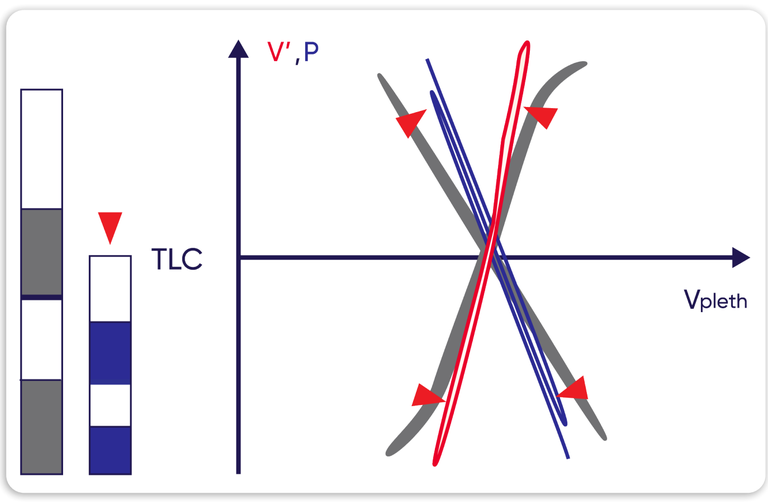
Obstruction



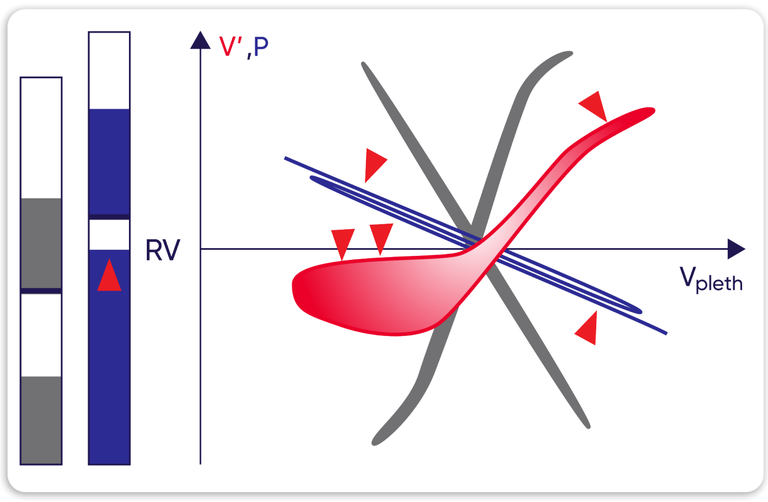
Healthy



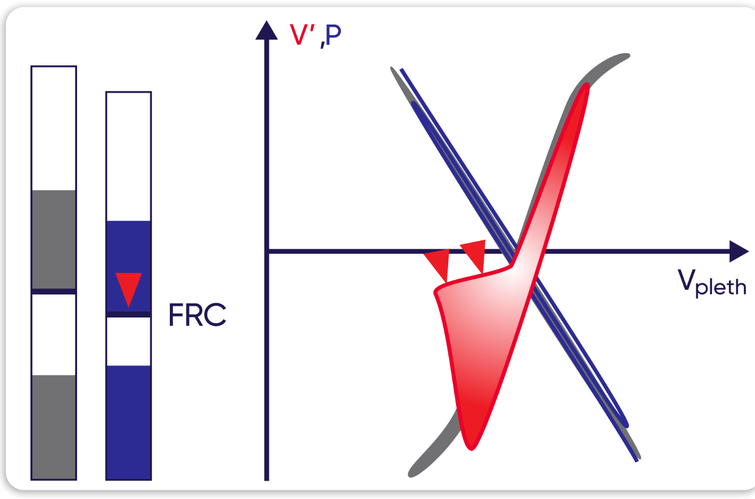
Restriction



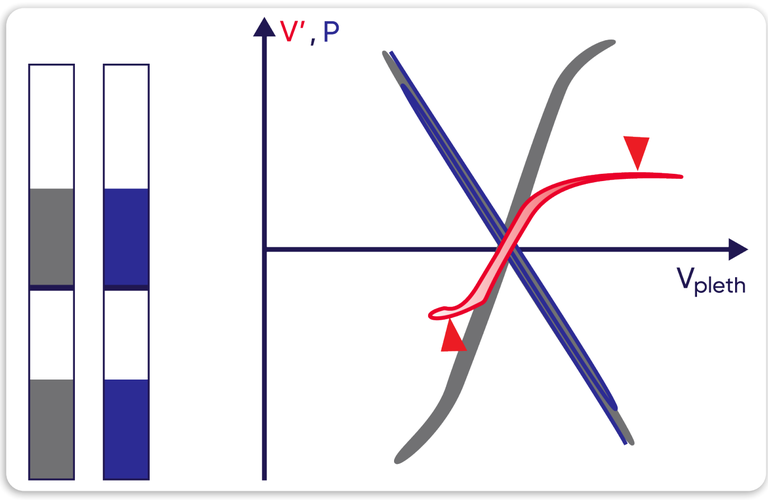
Distribution



Diaphragm



Stenosis



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