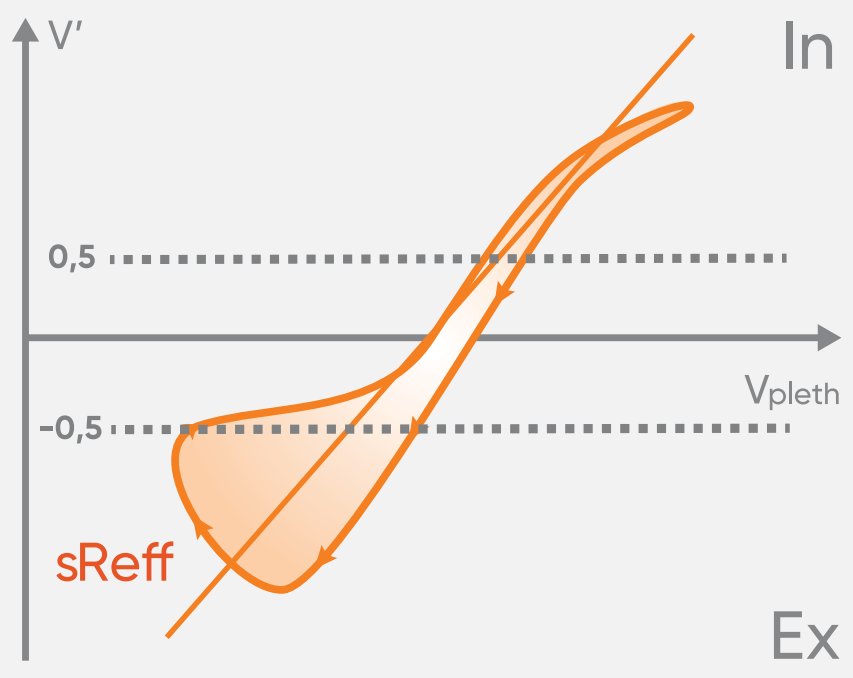
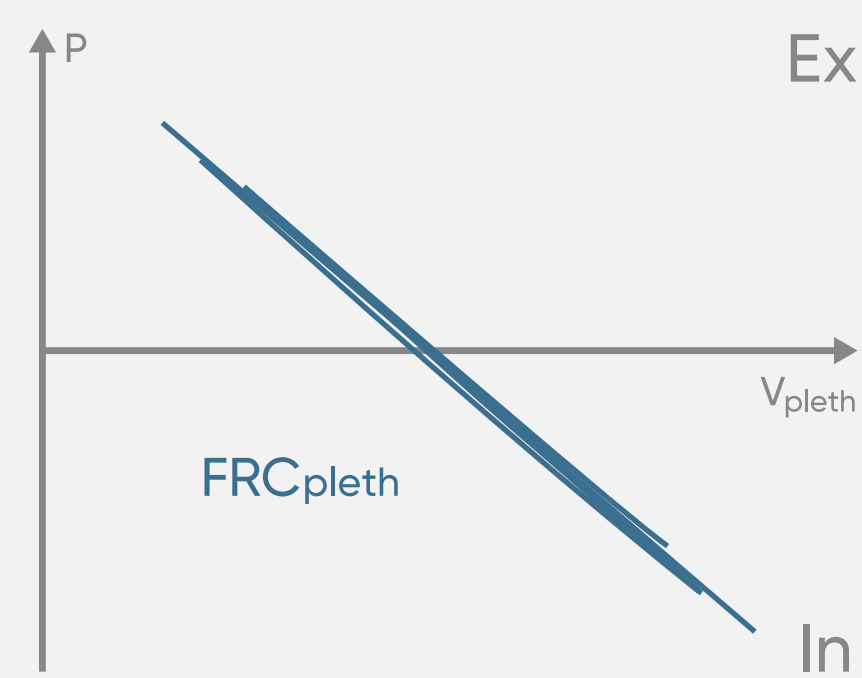


Breathing Maneuvers

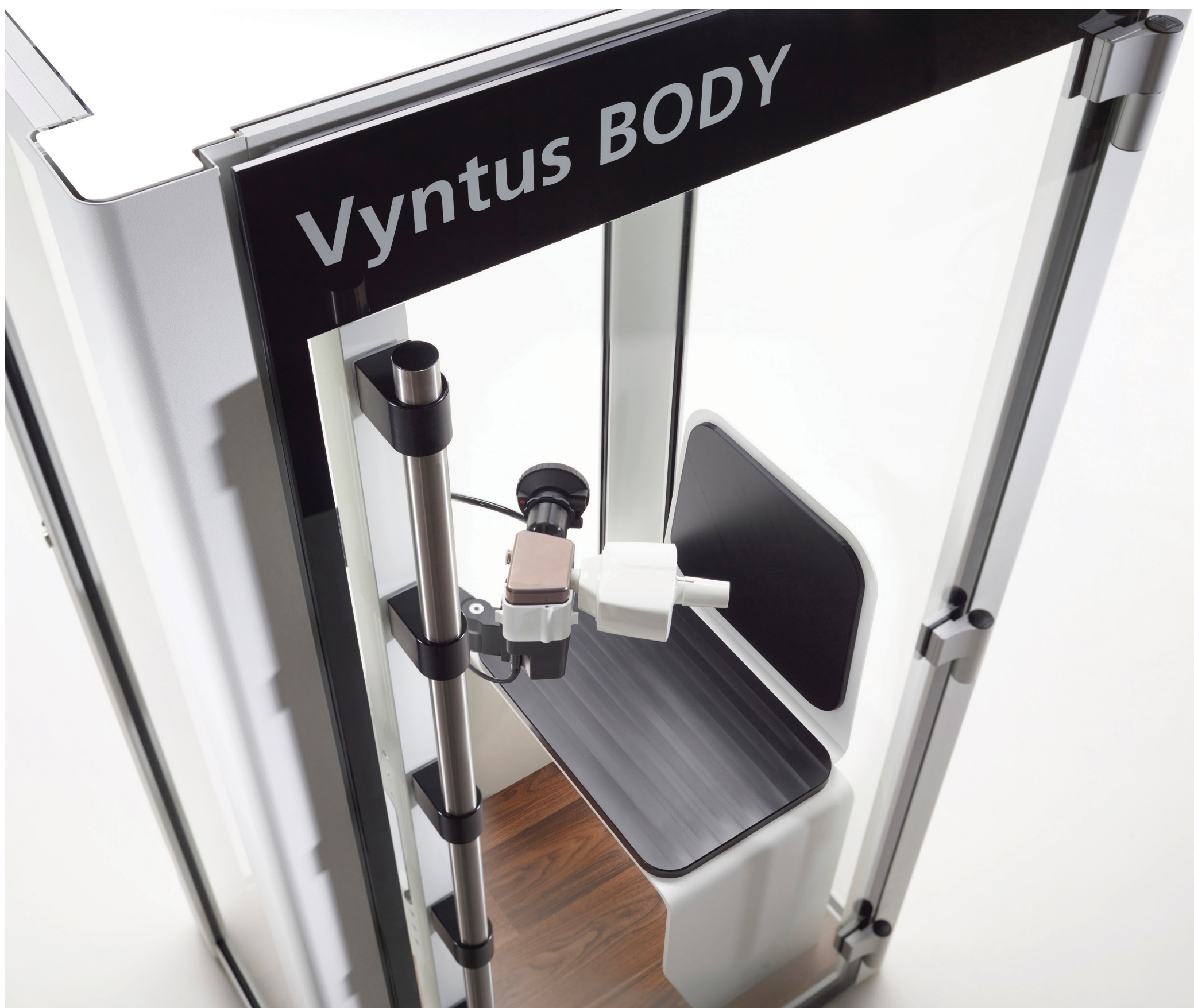
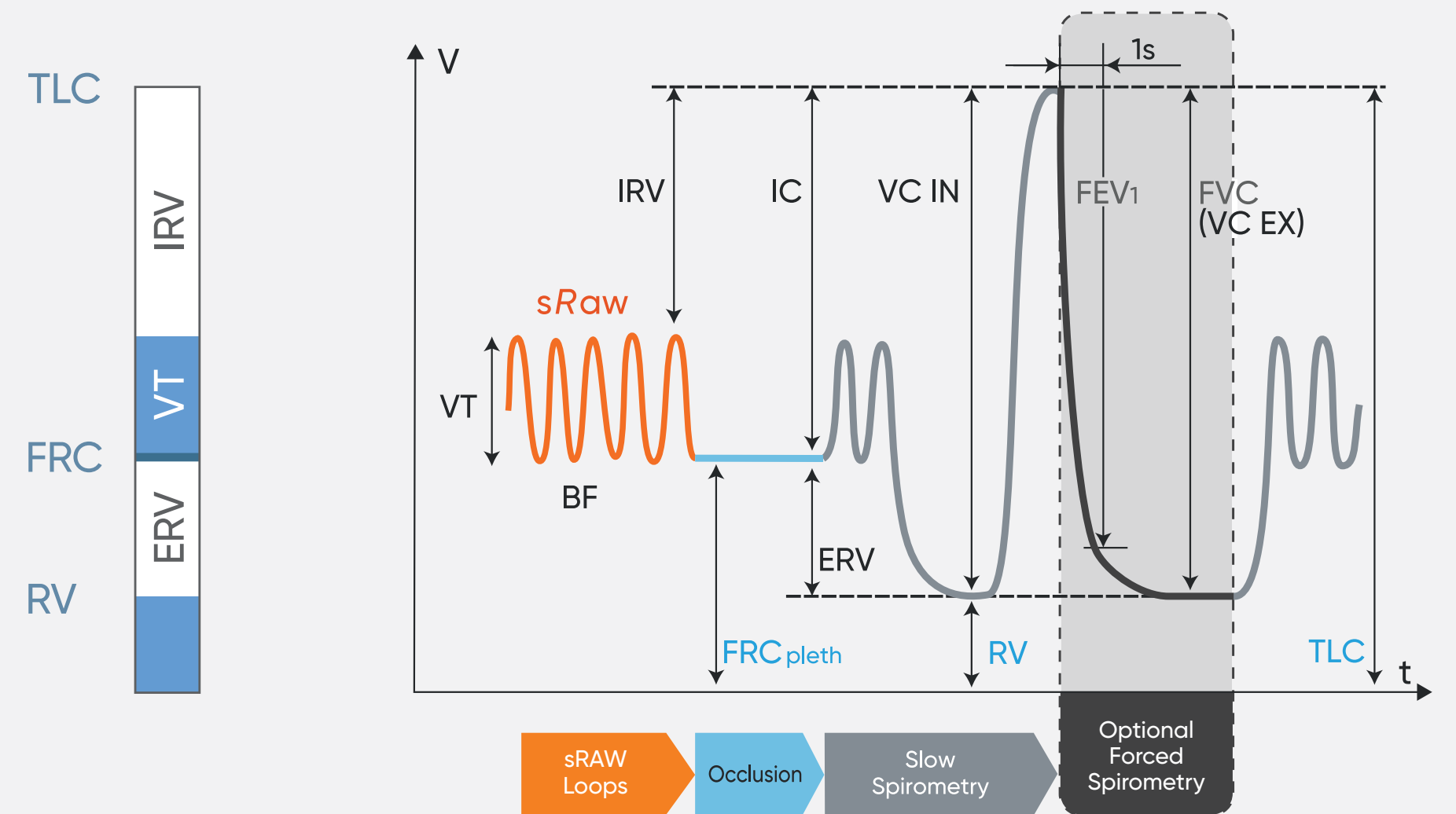
sRAW Loops



FRCpleth curves



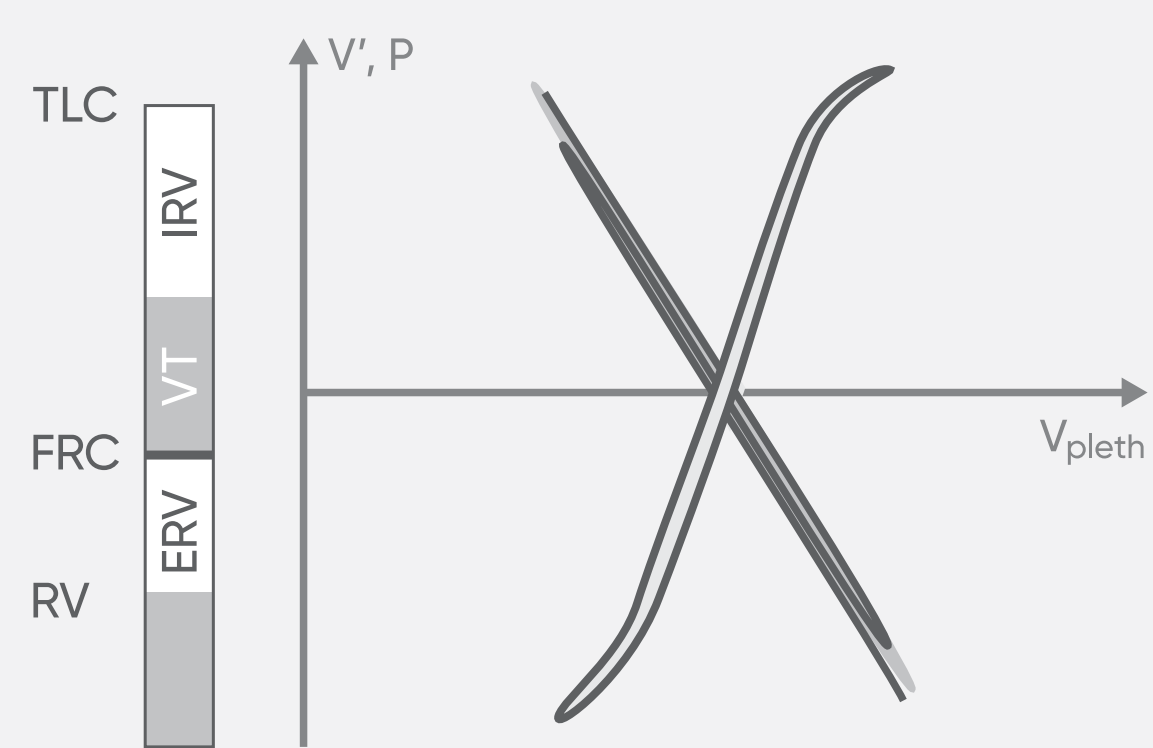
Linked Maneuver



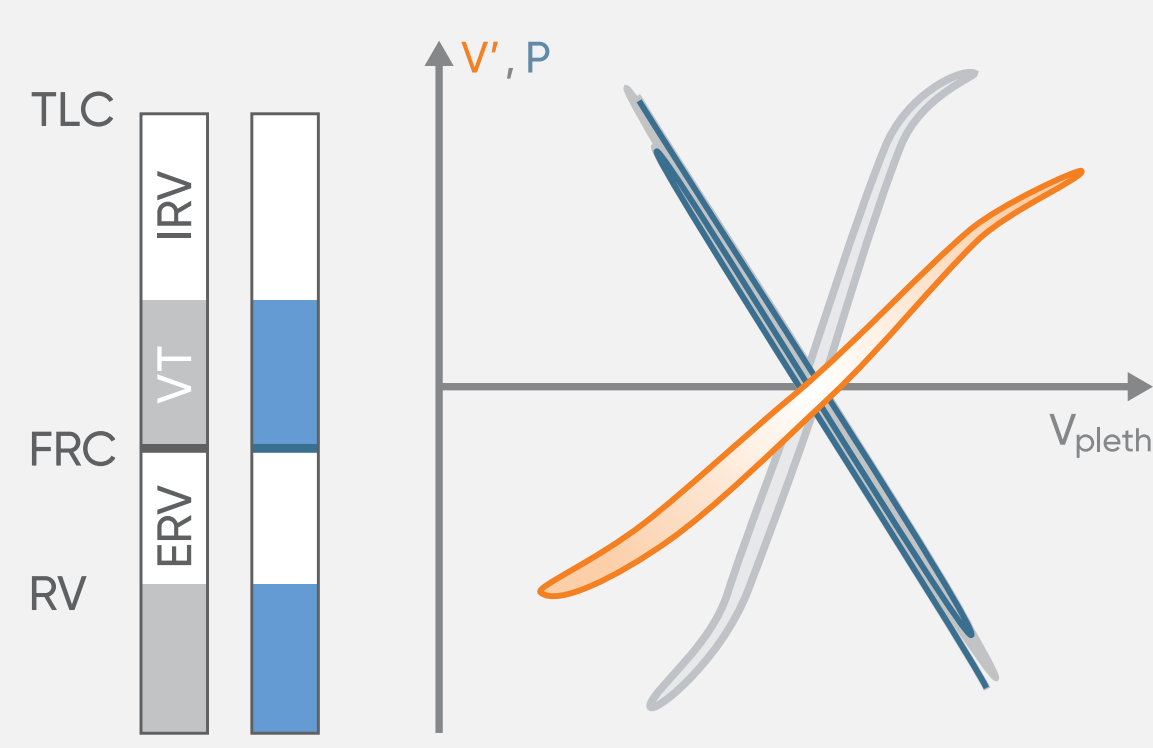
	Parameter	Description
Specific airway resistances	sRaw (sReff, sRtot, sRmid)	Specific airway resistance
	sGaw = sRaw ⁻¹	Specific airway conductance
	Raw (Reff, Rtot, Rmid)	Airway resistance
	Gaw = Raw ⁻¹	Airway conductance
Absolute lung volumes	TLC	Total lung capacity
	FRCpleth	Functional residual capacity
	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

Healthy

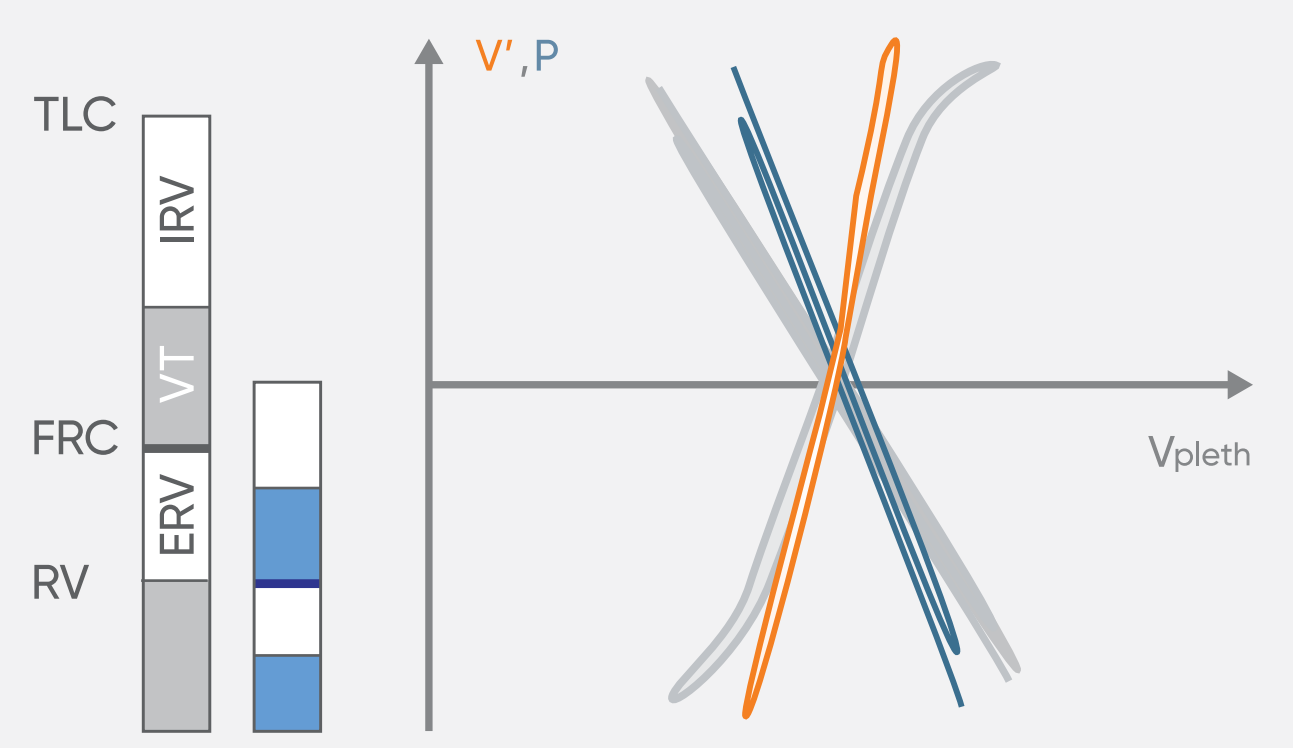


Central Obstruction



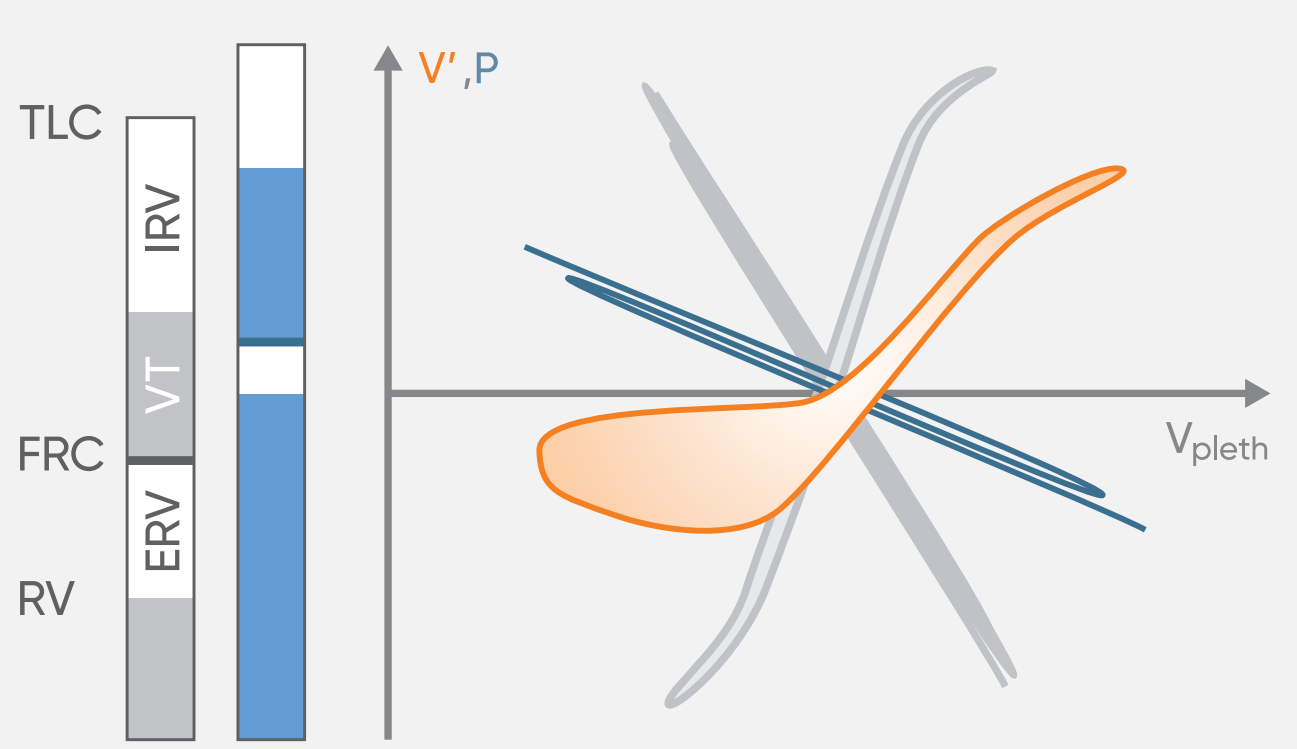
Normal VtG, increased airway resistance

Restriction



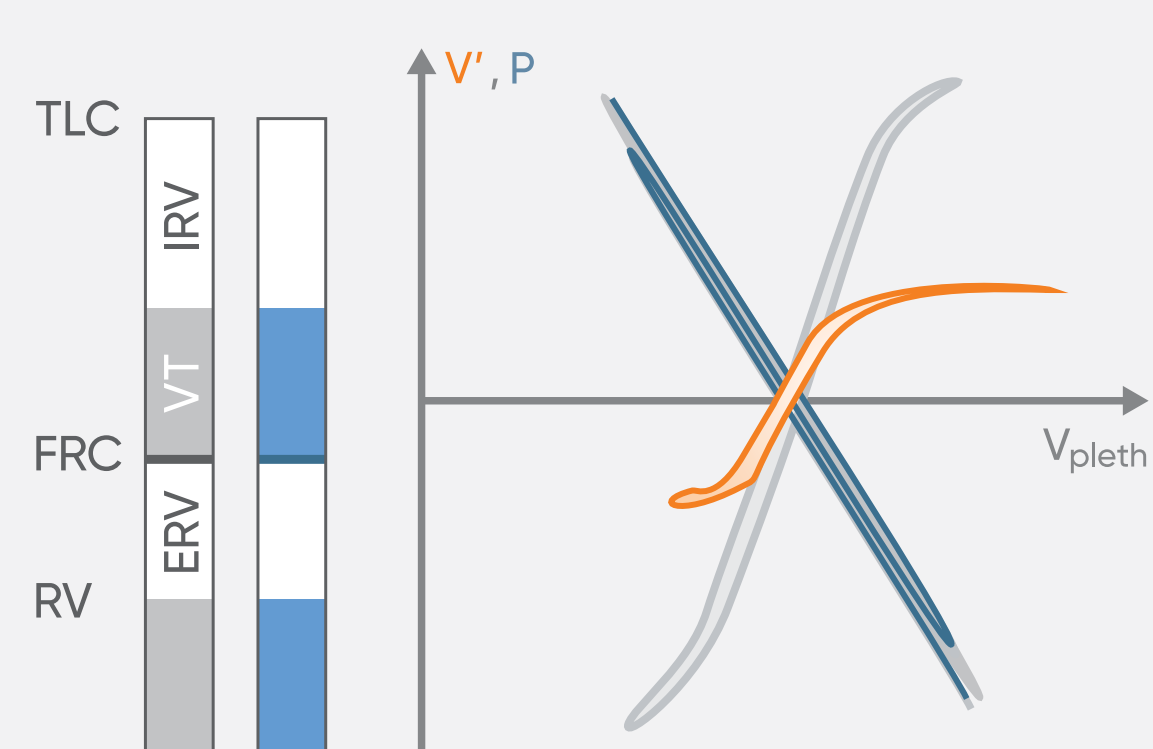
Decreased volume, lower resistance in VtG

Emphysema (diffuse)



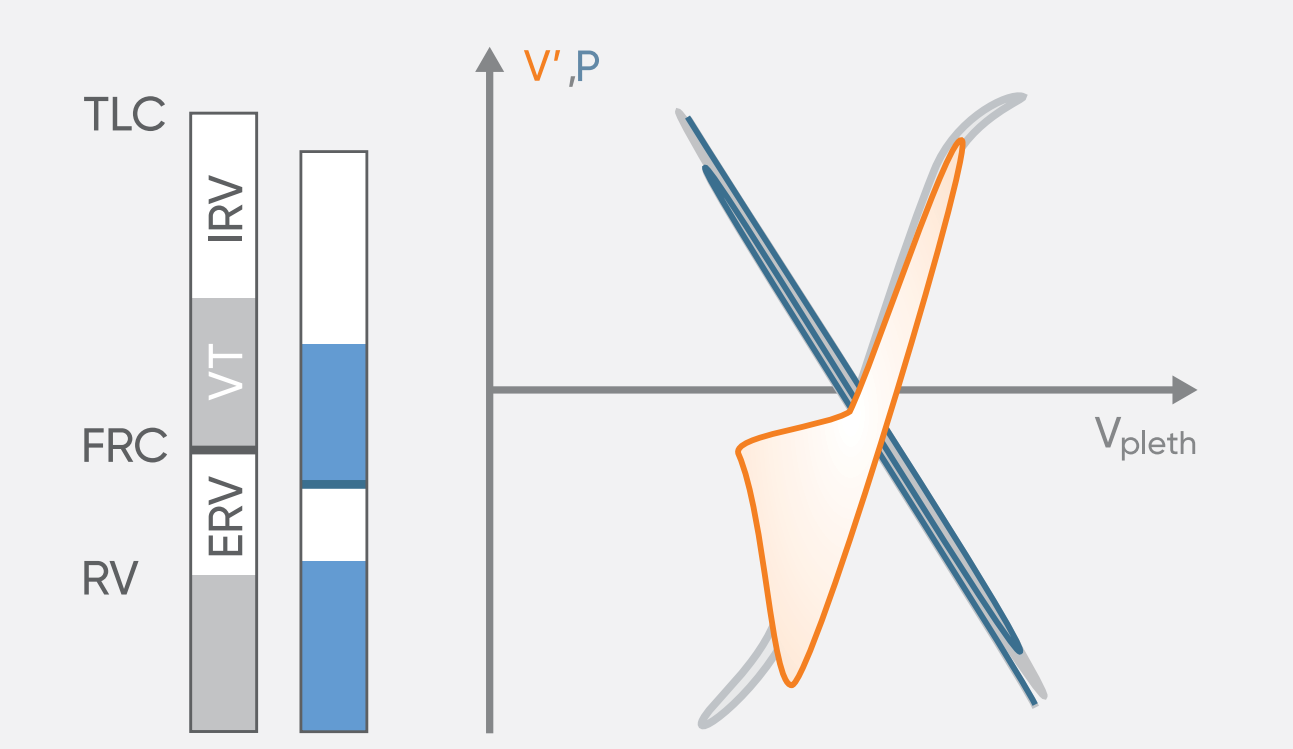
Increases airway resistance, increased thoracic gas volume

Stenosis



Increased airway resistance due to physiological obstruction

Morbid Obesity



Increased resistance during expiration = higher WOB