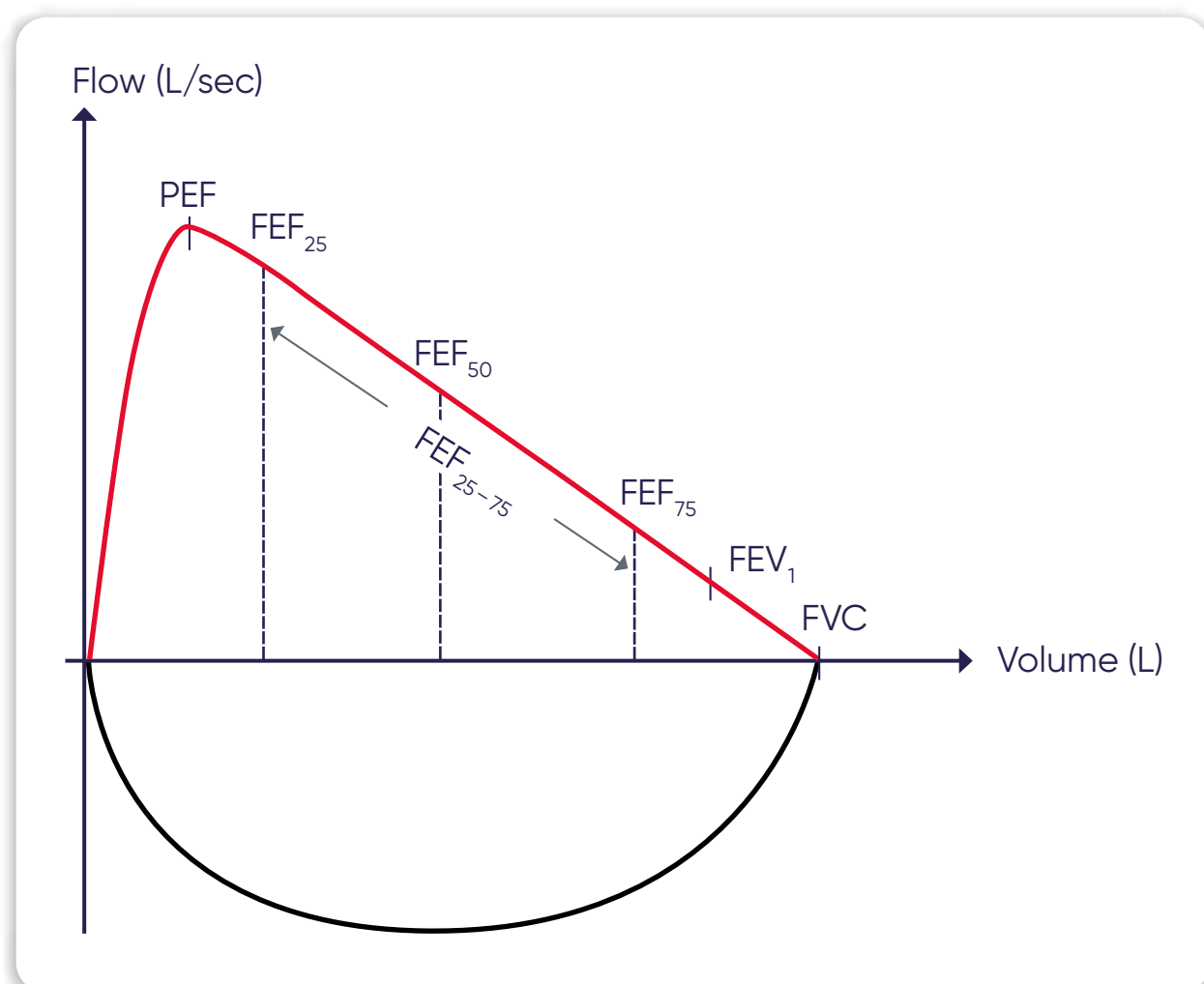
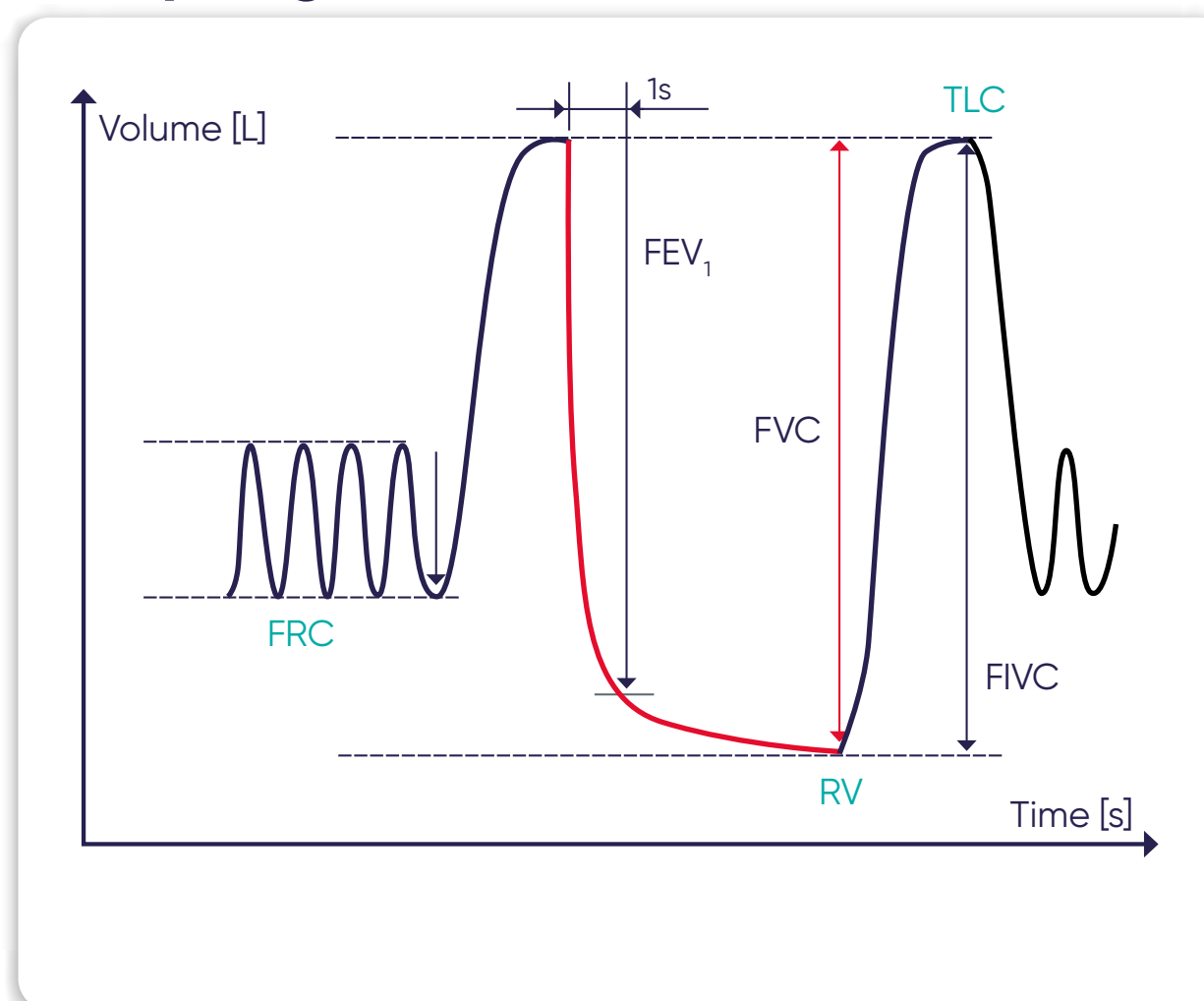


Respiratory Disease Management with AioCare™ Spirometer

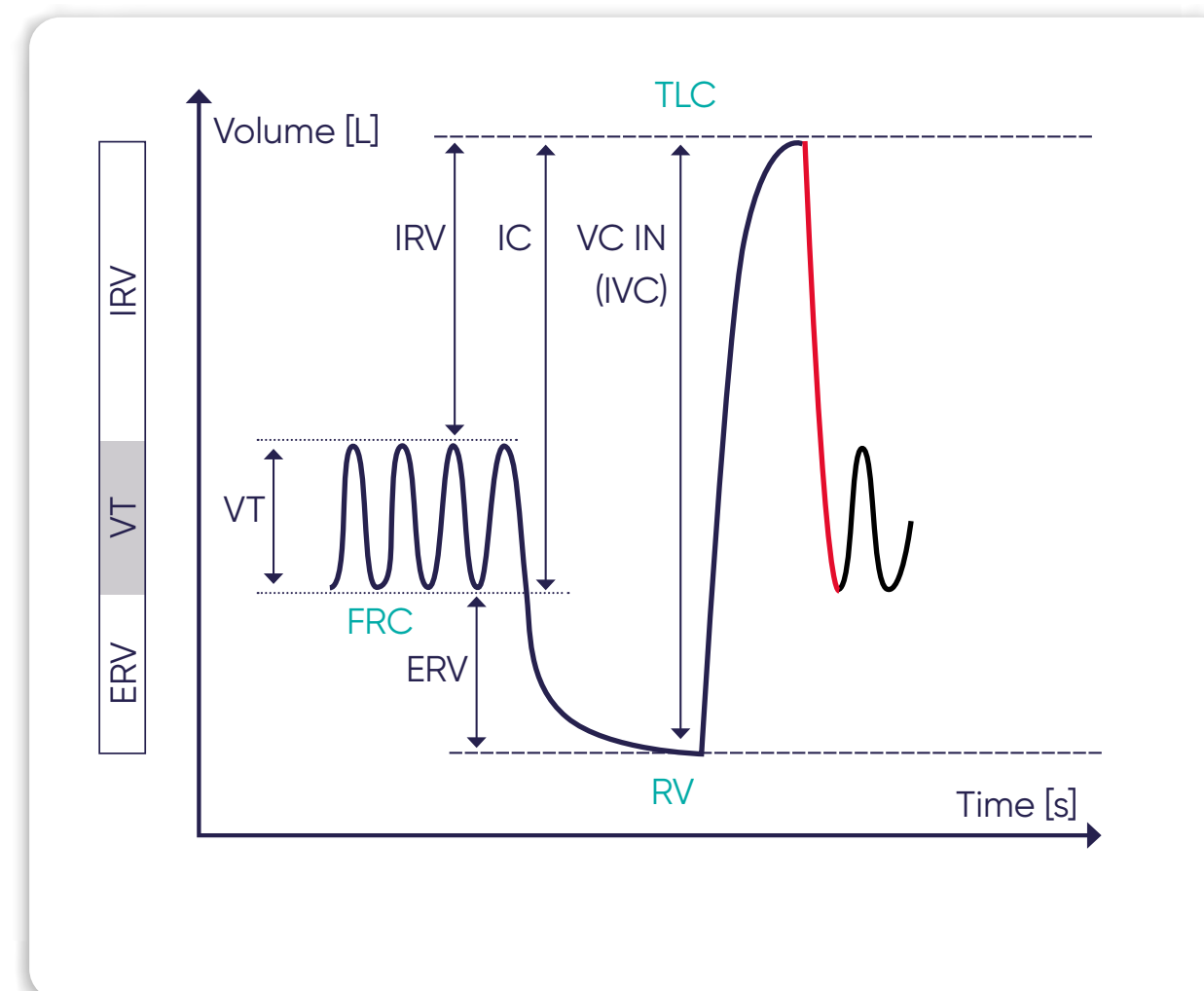
Flow-Volume Curve



Spirogram of Flow-Volume Curve

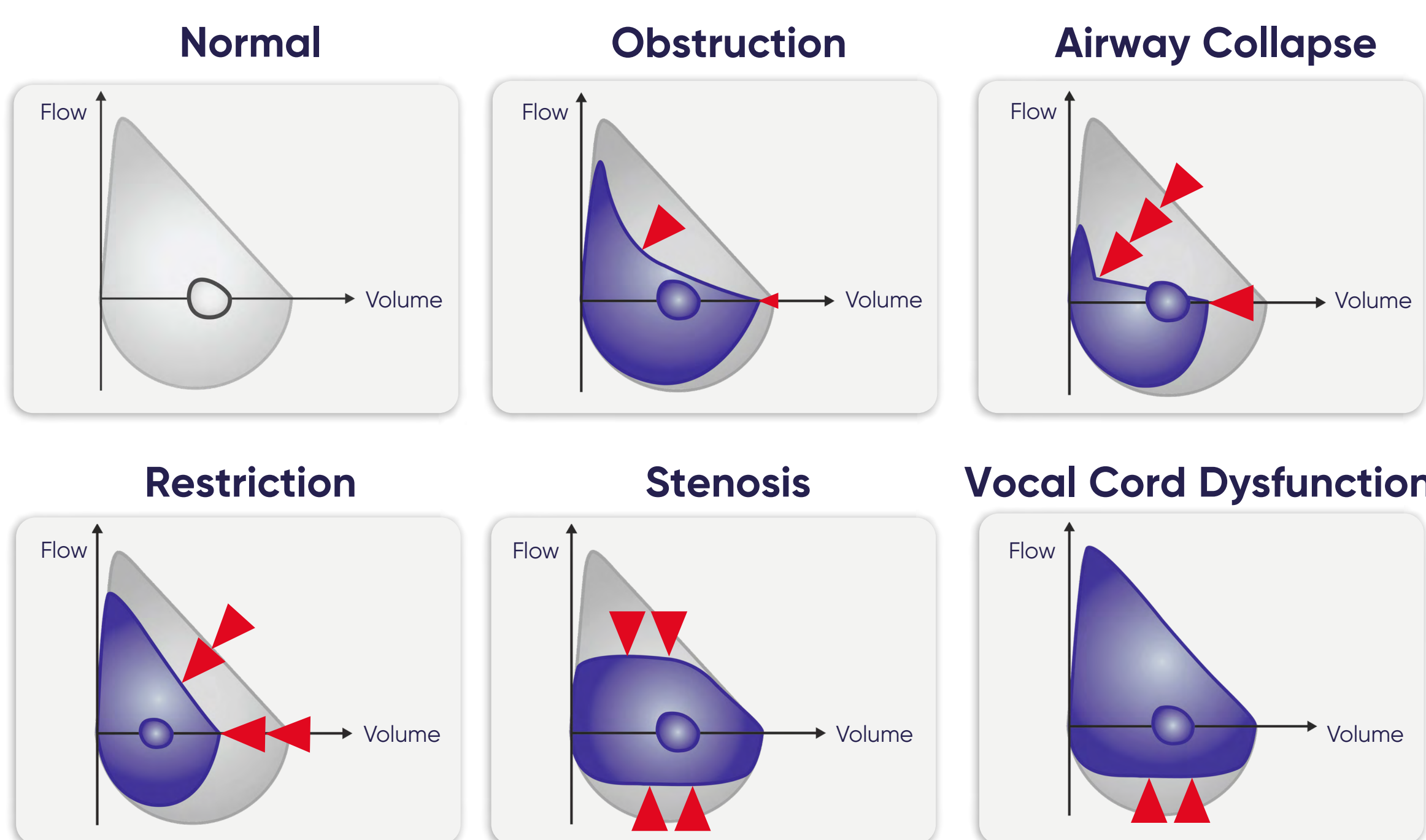


Slow Spirometry (IVC)

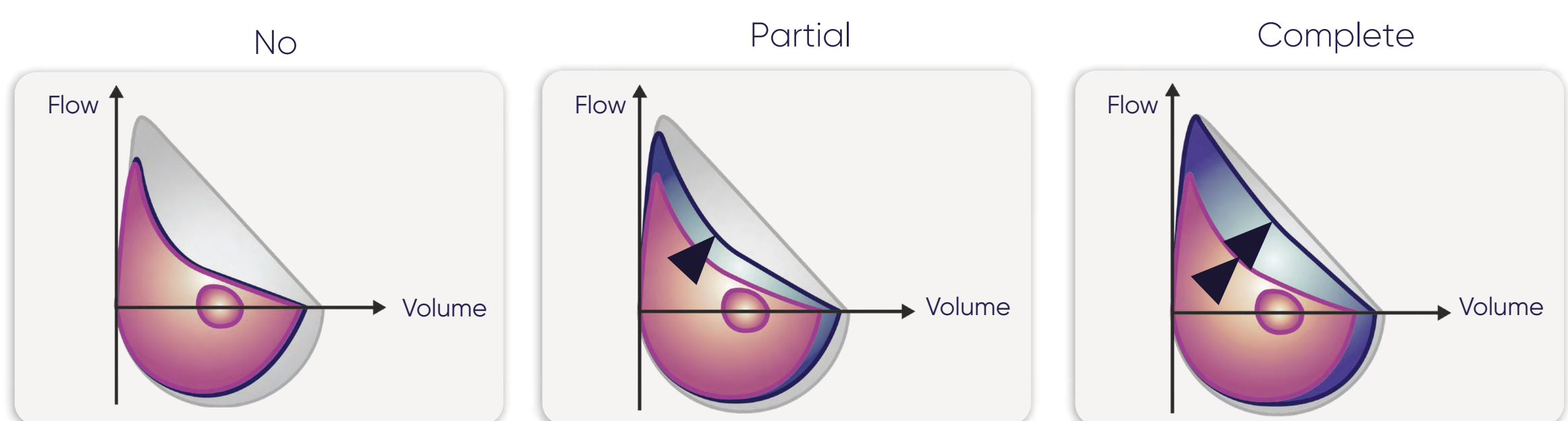


	Parameters	Description
Forced Spirometry	FVC	Forced vital capacity
	FEV ₁	Forced expiratory volume in 1 second
	FEV ₁ / FVC	Tiffeneau-index; FEV ₁ in ratio of forced vital capacity
	PEF	Peak expiratory flow
	FEF ₂₅₋₇₅	Mean forced expiratory flow between 25% and 75% of FVC
	FEF ₂₅	Forced expiratory flow when 25% of FVC has been exhaled
	FEF ₅₀	Forced expiratory flow when 50% of FVC has been exhaled
Slow Spirometry	FEF ₇₅	Forced expiratory flow when 75% of FVC has been exhaled
	VC (max)	Expiratory Vital Capacity
	VC IN (IVC)	Inspiratory vital capacity
	IC	Inspiratory capacity
	IRV	Inspiratory reserve volume
	ERV	Expiratory reserve volume
	VT	Tidal volume
	FEV1/VC (max)	Ratio of the Expiratory Vital capacity VC (max) and the FEV1

Typical Flow-Volume-Loop Patterns in Health and Disease

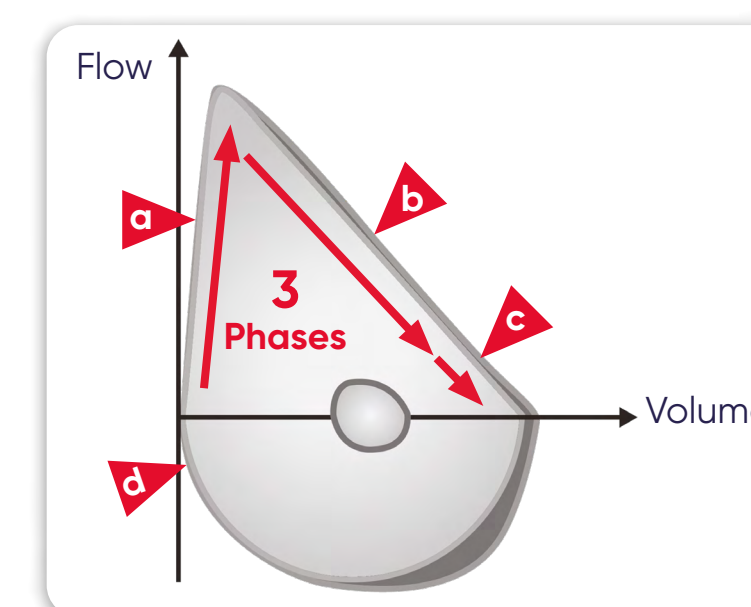


Bronchodilator Reversibility Testing



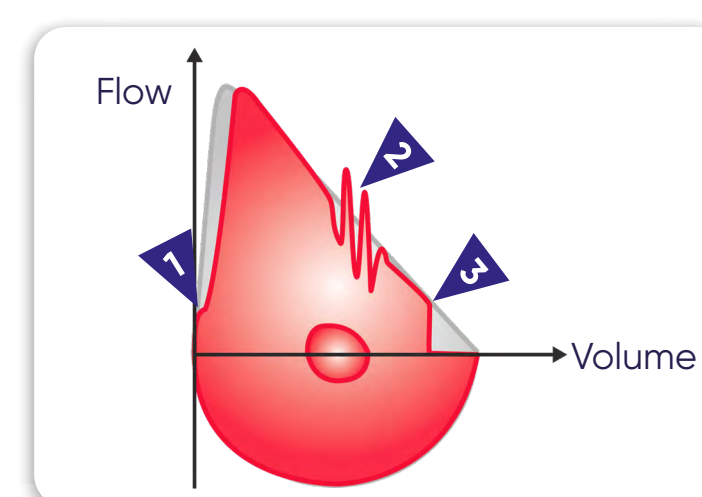
Quality Assessment of the Flow-Volume-Loop

Quality Check

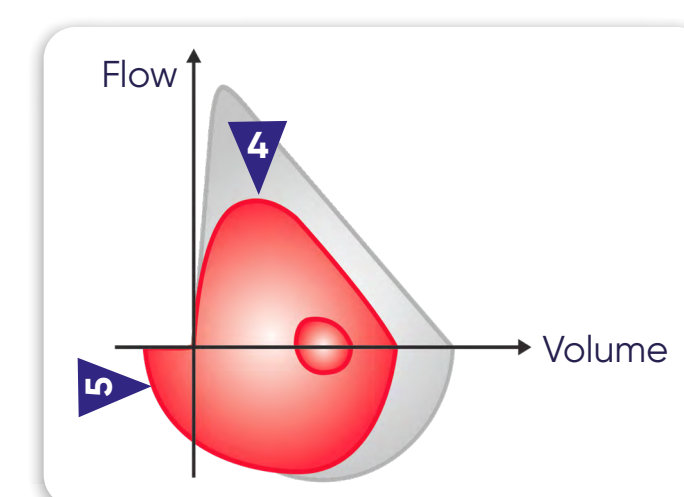


Description	
a	Good start of forced expiration >> STEEP
b	Flow limitation phase >> REPRODUCIBLE
c	End of forced expiration >> FLOWED OUT
d	Inhalation prior to forced expiration
1	Hesitant start
2	Coughing (in the 1st sec. of expiration)
3	Early termination
4	Slow start exhalation
5	Incomplete initial inhalation

Error Markers



Error Markers



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