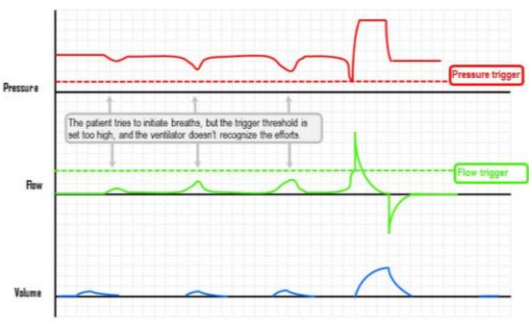
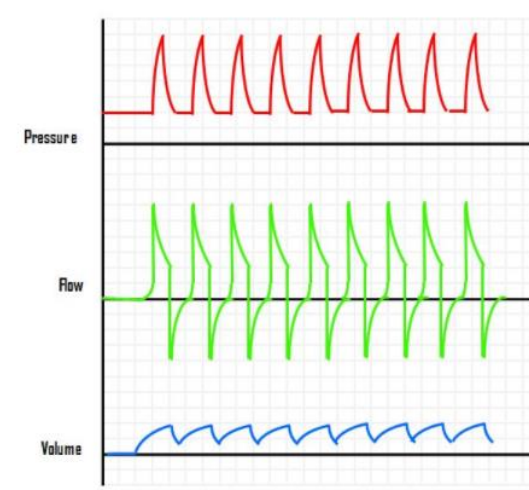
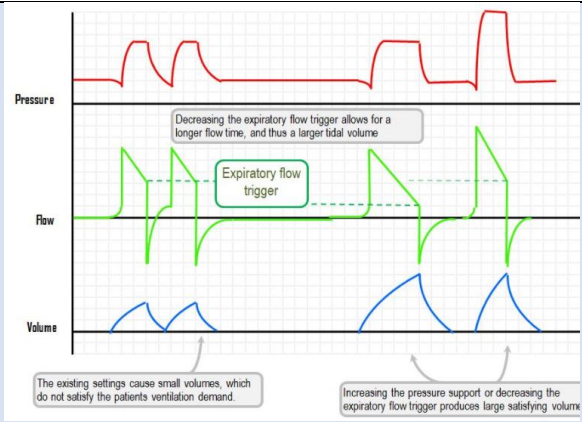


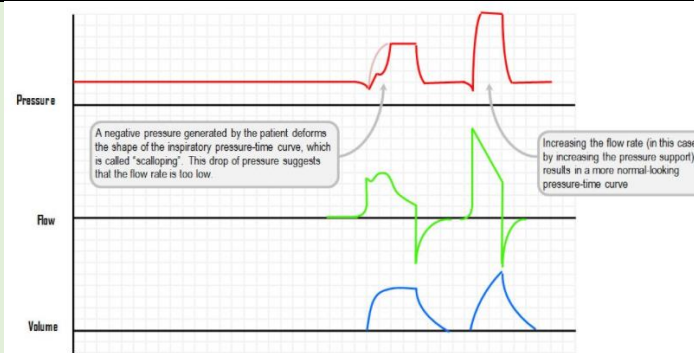
Type	What does it mean?	What causes it?	How to diagnose it?	How to fix it?
Trigger Dyssynchrony				
Ineffective triggering (wasted effort)	Patient's inspiratory effort is not sufficient to trigger the vent	Inappropriate sensitivity	Flow and Pressure scalars	Decrease sensitivity
Auto-triggering	A breath is delivered by the vent due to a small change in airway pressure or flow not caused by patient's effort	Cardiac oscillations, moving the patient	Flow and Pressure scalars	Increase sensitivity
Double triggering	Occurs when a patient's inspiratory effort continues throughout the ventilator's preset I-time and thus remains present after the I-time has been completed	Exceptionally high ventilatory demands on the part of the patient; low Vt and I-time too short	Flow and Pressure scalars	Increase Vt or I-time
Flow Dyssynchrony (starvation)	The vent flow does not meet the patient's needs	Very low flow settings	Pressure scalar and PV loop	Increase flow settings
Cycle Dyssynchrony				
Delayed breath termination	When the patient starts to exhale before the vent has completed inspiration	Inappropriate I-time or Vt	Pressure and flow scalar	Reducing I-time or tidal volumes
Premature breath termination	The vent's inspiratory flow stops before the patient's breath has completed	Inappropriate I-time or Vt	Pressure and flow scalar	Reducing I-time or tidal volumes
Expiratory Dyssynchrony	Expiratory time too short or too long	Inappropriate I-time, RR or I:E	Flow and pressure scalars, FV and PV loops	Modify RR, I:E, I-time, sensitivity

Type	How does it look like	
Trigger Dyssynchrony		
Ineffective triggering (wasted effort)		
Auto-triggering		

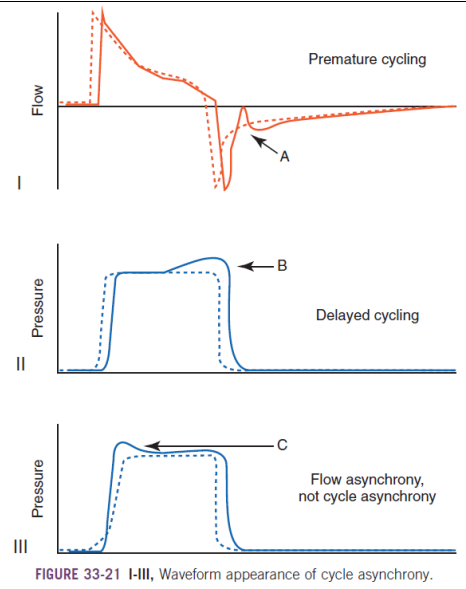
Double-triggering



Flow Dyssynchrony (starvation)



Cycle Dyssynchrony
 Delayed breath termination
 Premature breath termination



Expiratory Dyssynchrony

