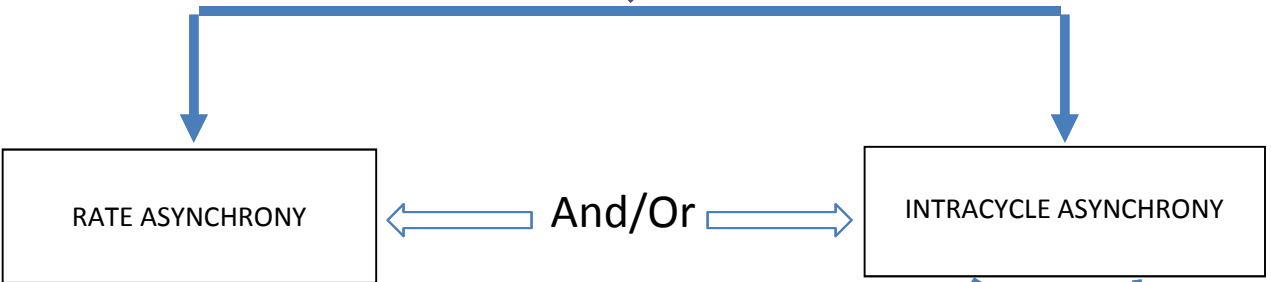


1 STEP 1: Visual analysis of the traces → GOOD

BAD

No obvious leaks, no obvious obstructions

2 STEP 2: Diagnosis of Primary asynchrony



3 STEP 3 : Find who makes what?
Controlled cycle or **T**riggered cycle ? and **P**atient's demand or **O** demand?

ventilator rate > patient rate

Double triggering

T	T
P	

Autotriggering

T	T
O	

Uncoupling

C	T
O	P

patient rate > ventilator rate

Ineffective effort

∅
P

patient rate ≠ ventilator rate

Prolonged uncoupling

FLOW ASYNCHRONY

Underassistance

T (or C)
P

PHASE ASYNCHRONY

Delayed-cycling (long cycle)

T (or C)
P

Premature cycling (short-cycle)

T (or C)
P

T= triggered cycle
C = controlled cycle
∅ = no ventilator response
P= patient demand
O = no patient demand