APRV mode

Which lung protective modes can I use to treat patients with ARDS?

Pressure control

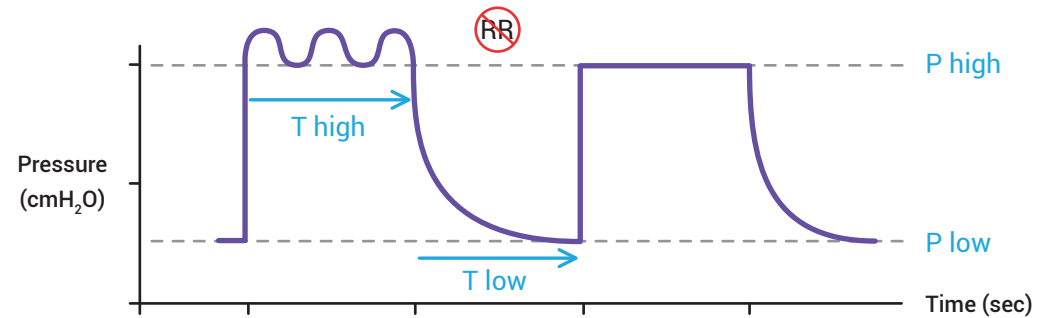Bilevel mode

APRV mode

APRV mode is a lung protective mode that can be used to treat patients with ARDS.

APRV

Pressure (cmH$_2$O)

T high

T low

P high

P low

Time (sec)

Bilevel

+ Pressure support

RR = 30

Pressure (cmH$_2$O)

T high

T low

P high

PEEP

Time (sec)

Initial settings

P high	20–30 cmH$_2$O
T high	4–6 sec
P low	0–5 cmH$_2$O
T low	0.2–0.8 sec
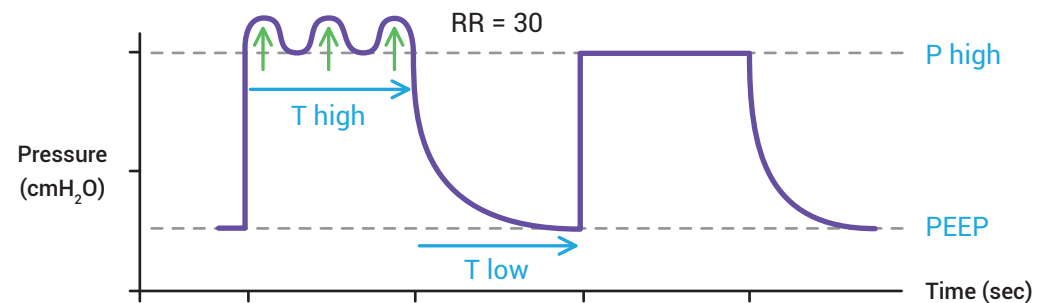
APRV
1. Set P high/P low. (No pressure support.)
2. Set T high (traditionally set longer).
3. Set T low (traditionally set shorter to prevent lung deflation).

Bilevel
1. Set P high/P low (PEEP).
2. Set T high (T low*).
3. Set RR.

*T low is automatically determined based on T high and RR.