Volume versus pressure

Why volume ventilation and not pressure ventilation?

Key:
amount of CO_2 exhaled
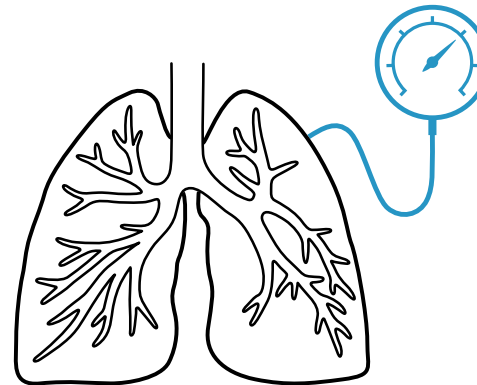
Minute ventilation
V_T x RR

Note
Some people will still benefit from pressure, but more will benefit from volume ventilation.

Pressure

RR = 14 breaths/min
V_T = ?

Minute ventilation

= V_T x 14 breaths/min

= ?

We can't calculate minute ventilation without V_T!

Volume

RR = 14 breaths/min
V_T = 600 mL

Minute ventilation

= 0.6 L x 14 breaths/min

= 8.4 L/min

We can calculate minute ventilation to ensure enough CO_2 is exhaled.