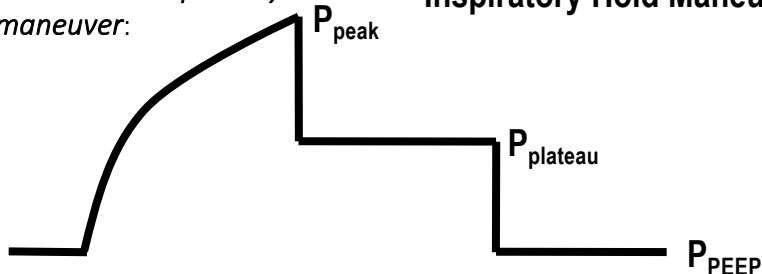




If peak pressures are *elevated* perform an *inspiratory hold maneuver*:

## Pressure Tracing During Inspiratory Hold Maneuver



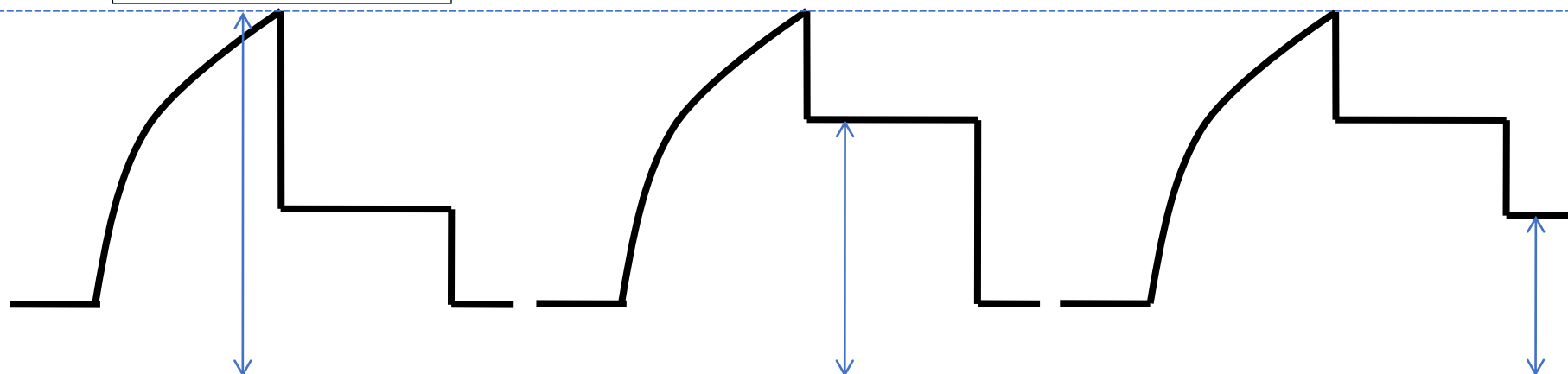
$$\text{Resistance} = \frac{\Delta P}{\text{Flow}} = \frac{P_{\text{peak}} - P_{\text{PEEP}}}{\text{Flow}}$$

$$\text{Compliance} = \frac{\Delta V}{\Delta P} = \frac{V_T}{P_{\text{plat}} - P_{\text{PEEP}}}$$

High P<sub>peak</sub>, Normal P<sub>plat</sub>  
**Resistance Problem**

High Peak, High P<sub>plat</sub>  
**Compliance Problem**

Elevated Baseline  
**PEEP Problem**



- Tubing problems
- Mucous plugging
- Bronchospasm

- Abdominal Problem
- Chest Wall Problem
  - TLSO, Burns,
  - Fentanyl wooden chest
- Mainstem Intubation
- Pneumothorax
- Parenchymal Problem
  - Pulmonary Edema
  - ARDS

- Auto-PEEP