

# VENT TROUBLESHOOTING: HIGH PEAK PRESSURES

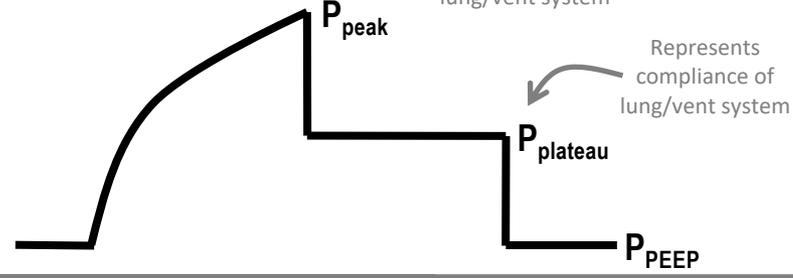


High Peak Inspiratory Pressures (PIP)

Try in-line suctioning

Perform an **inspiratory hold maneuver**

Pressure Tracing During **Inspiratory Hold Maneuver**



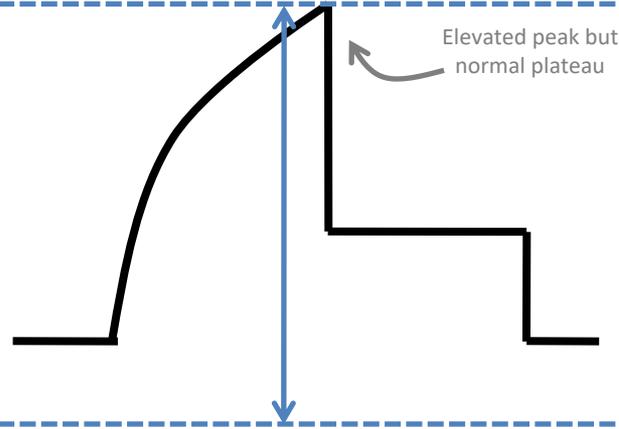
$$\text{Resistance} = \frac{\Delta P}{\text{Flow}} = \frac{\Delta P}{P_{\text{plat}} - P_{\text{PEEP}}}$$

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

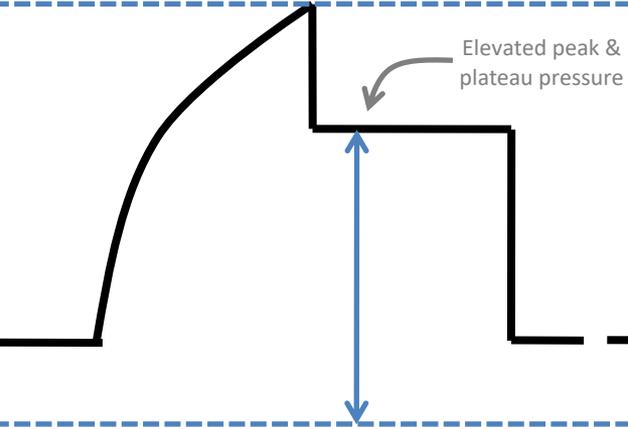
**High Ppeak, Normal Pplat**  
**Resistance Problem**

**High Peak, High Pplat**  
**Compliance Problem**

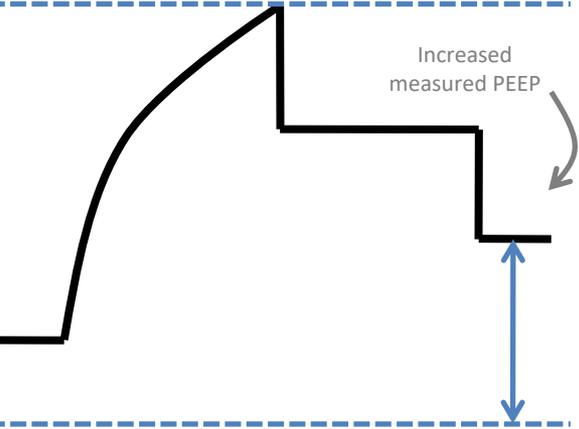
**Elevated Baseline**  
**PEEP Problem**



- Tubing problems
- Mucous plugging
- Bronchospasm



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



- Auto-PEEP