



## **PERCUSSION WITH VIBRATION PROTOCOL**

For use with Hill-Rom SPO<sub>2</sub>RT Bed

### **(Respiratory Therapy to initiate treatment)**

**Goal:** To achieve mobilization of pulmonary secretions.

**Indications:** Atelectasis, increased sputum production, inability to clear secretions, and crackles.

**Contraindications:** Active TB with hemoptysis, pulmonary embolism, possible pulmonary embolism, severe hemoptysis, and untreated DVT.

Obtain a physician order for patients with thoracotomy, trauma, or neurological issues / concerns.

### **Therapy plan**

- Insert percussion / vibration module into the bed and ensure the following settings:
  1. Position: Select the CLRT (continuous lateral rotation therapy) mode on the bed
  2. Turn %: Adjust the turn angle to 60% for each side with 0.5 min. pause to each side and center position.  
(% turn is not the same as degree turn)
  3. Percussion / Vibration: CLRT
  4. Percussion frequency and intensity:
    - Select two beats per second for ten minutes with low intensity, then -
    - Select four beats per second for ten minutes with medium intensity
  5. Vibration frequency: 15 beats per second
- Initiate therapy immediately following each breathing treatment. Hold therapy between 2400 and 0500 if patient is sleeping or not sedated on the ventilator.

**Discontinue when indications are resolved or by physician order**