

# Volara



# Volara – Combination Therapy

- ▶ OLE therapy – “Oscillatory Lung Expansion” is two types of therapy:
  - ▶ Oscillatory Lung Therapy – High frequency pulses of air to assist in bronchial hygiene-secretion removal.
  - ▶ Lung Expansion Therapy – Assists in alveolar recruitment and improved gas exchange by inflation of lung units. Treats or prevents atelectasis. Similar to:
    - ▶ Incentive Spirometer
    - ▶ PEP – Positive Expiratory Pressure
      - ▶ EZPAP (Chart “PEP/OPEP” and “Neb” separately)
    - ▶ IPPB/IPV – Use this intervention for charting Volara
- ▶ Nebulizer – Inhaled medication delivery

Volara™



04 FEB 2040 09:49

Select Therapy Mode

**Volara™**  
  
Oscillating Lung  
Expansion Therapy

Automatic

Manual



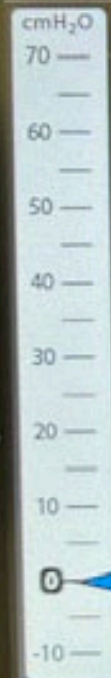
Manual Mode

Volara™

Manual



04 FEB 2040 09:49



**CPEP**  
Stage: 0  
Time: 00:00

00:00  
Total Time

**ON**  
  
Nebulizer

**CHFO**  
Stage: 0  
Time: 00:00

**7**  
cmH<sub>2</sub>O  
+  
-

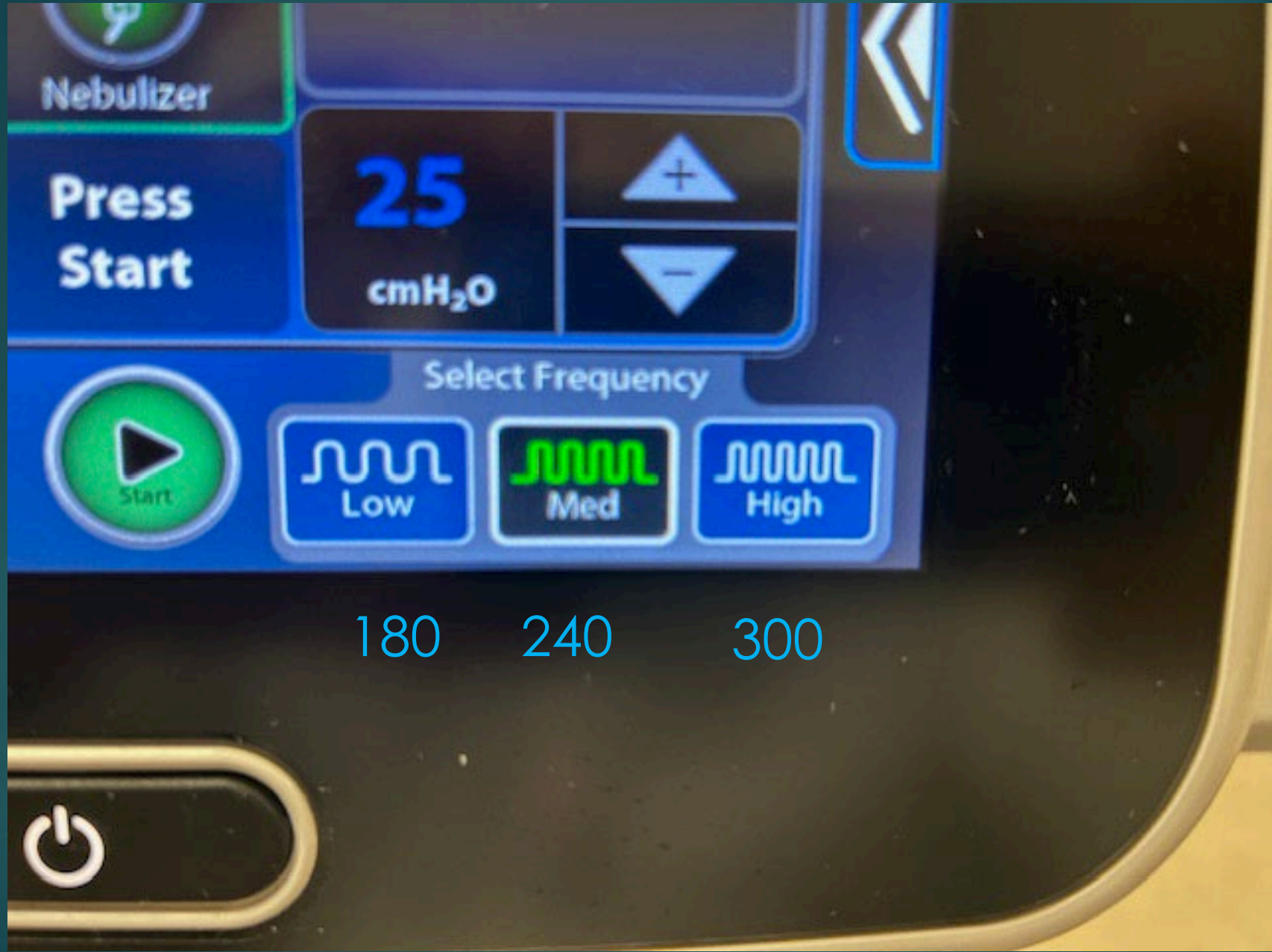
**Press Start**

**25**  
cmH<sub>2</sub>O  
+  
-



CHFO Freq.





Nebulzer

Press  
Start

25

cmH<sub>2</sub>O

+

-

Select Frequency



Start



Low



Med



High

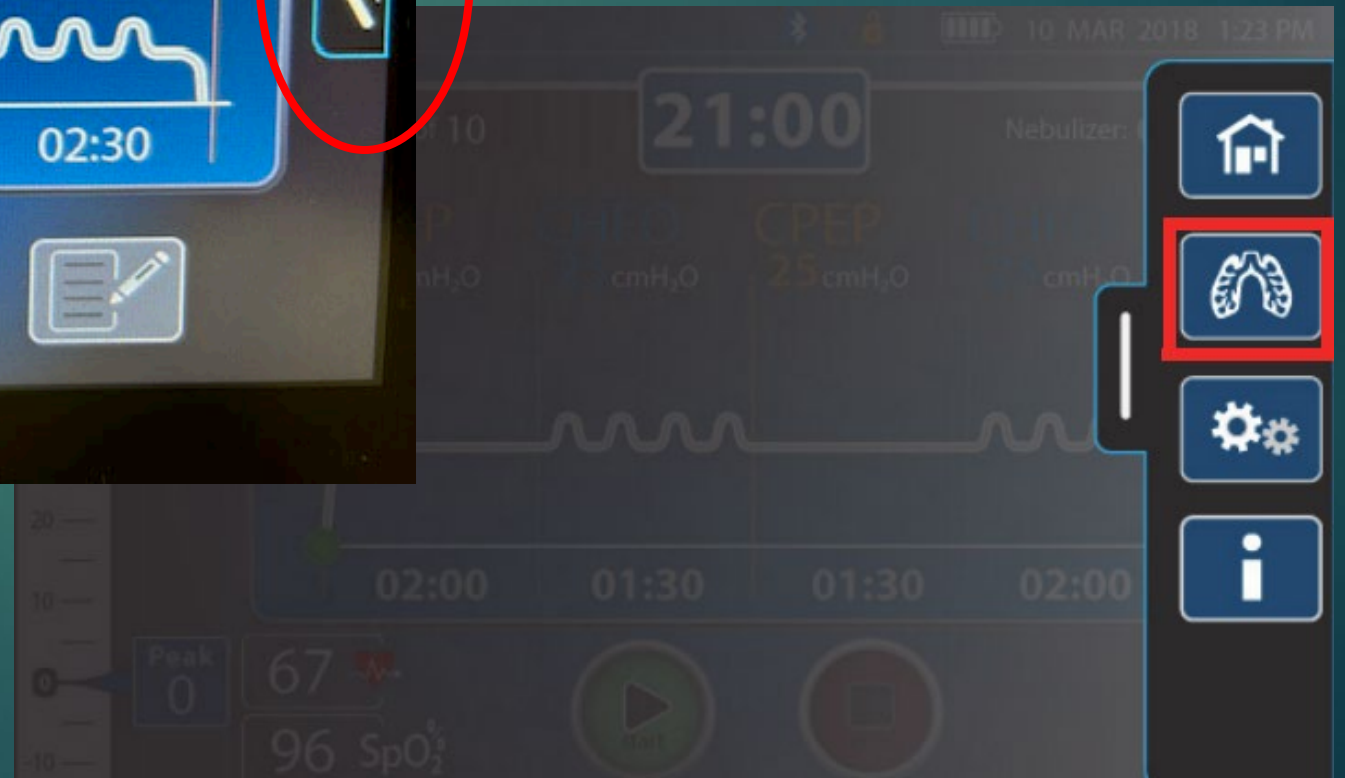
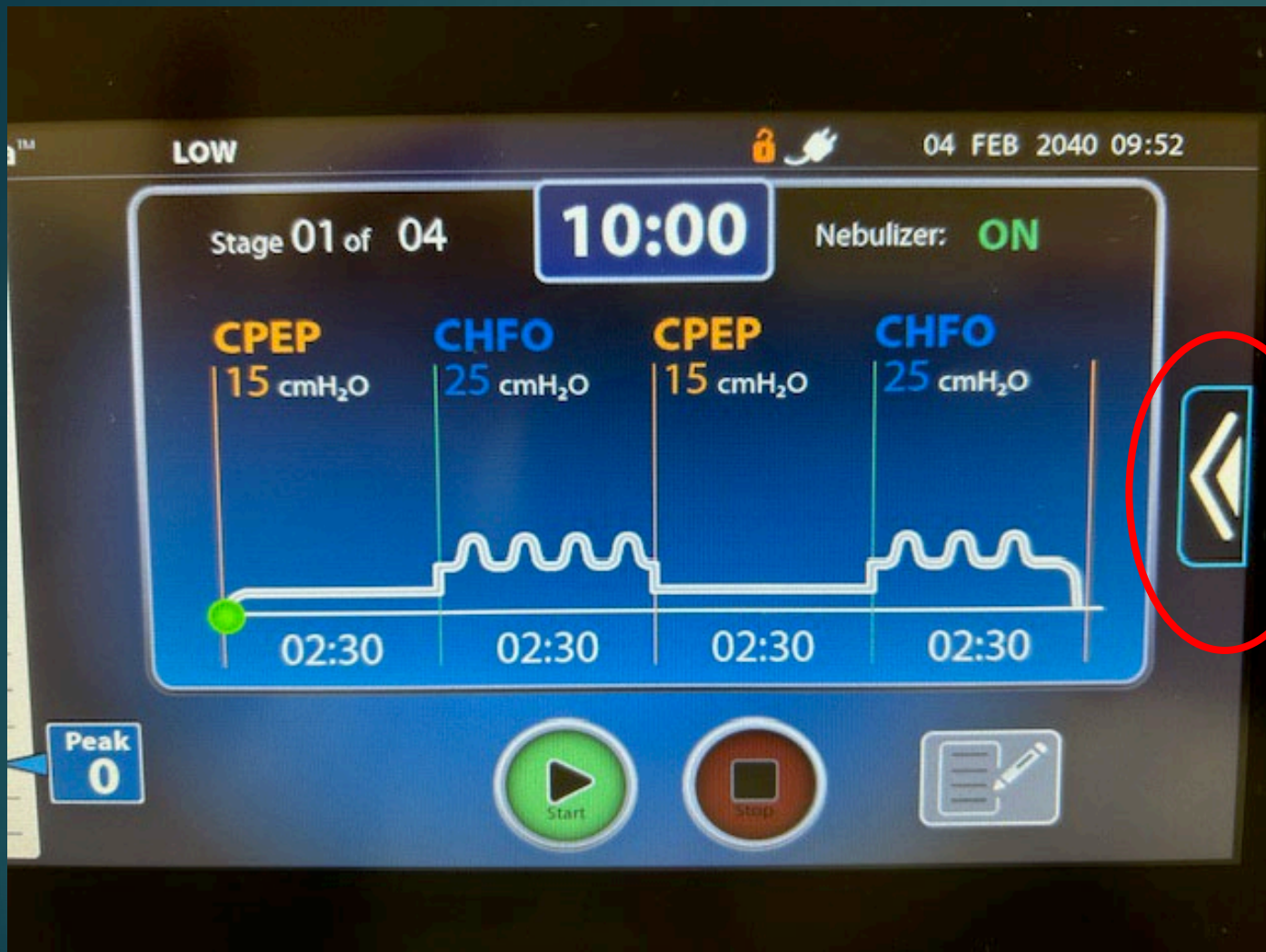
180

240

300



Automatic Mode





ra™

LOW



04 FEB 2040 09:5

### Care Plan

LOW

Plan2

HIGH

Plan4

Plan5

Plan6

Plan7

...

### Therapy

### Options

Total Stages: 04

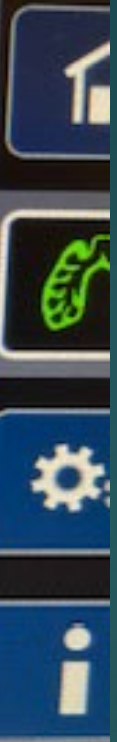
Total Time: 10:00

Back

Stage	Therapy	Pressure cmH <sub>2</sub> O	Duration minutes	Frequency	Nebulizer
1	CPEP	15	02:30	--	ON
2	CHFO	25	02:30	Med	ON
3	CPEP	15	02:30	--	ON
4	CHFO	25	02:30	Med	ON

Start ▶

Edit



LOW



04 FEB 2040 09:5

Care Plan

Modify "LOW"

Done

LOW

Plan2

HIGH

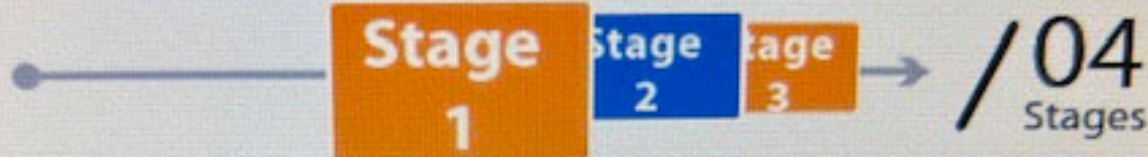
Plan4

Plan5

Plan6

Plan7

...



CPEP



Del -

Add +

Base Pressure **15** cmH<sub>2</sub>O

Nebulizer

Duration **02:30** Minutes

OFF  ON

### Care Plan

LOW

Plan2

HIGH

Plan4

Plan5

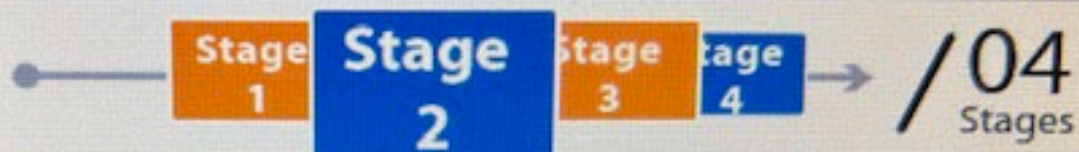
Plan6

Plan7

...

### Modify "LOW"

Done



CHFO ▾

Del - Add +

Base Pressure **25** cmH<sub>2</sub>O

Nebulizer  
OFF  ON

Duration  
**02:30** Minutes

Frequency  Low  Med  High

LOW



04 FEB 2040 09:52

Stage 01 of 04

10:00

Nebulizer: ON

CPEP

15 cmH<sub>2</sub>O

CHFO

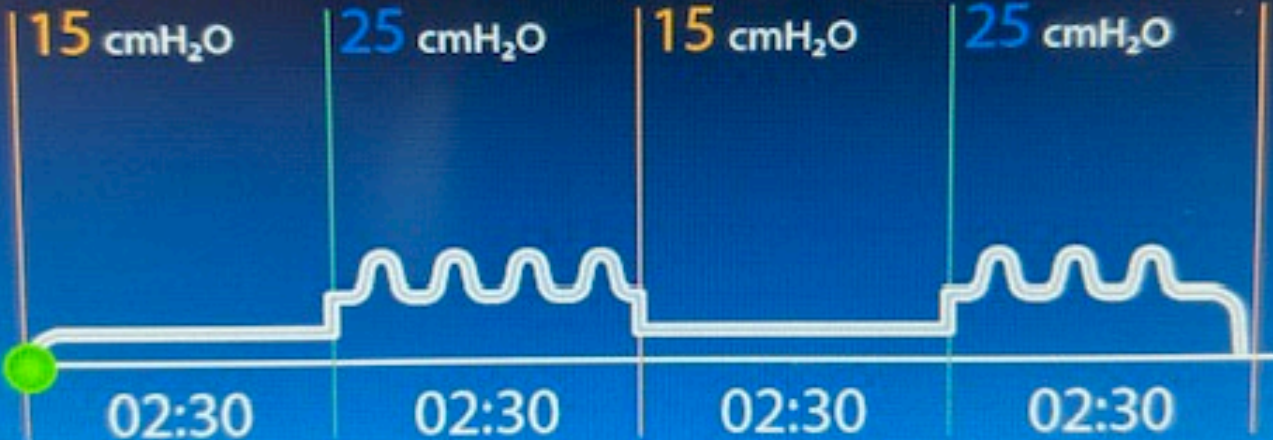
25 cmH<sub>2</sub>O

CPEP

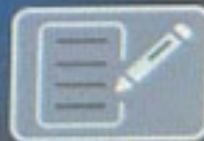
15 cmH<sub>2</sub>O

CHFO

25 cmH<sub>2</sub>O



Peak 0



Volara through the ventilator





# Volara Settings when delivering through the Vent

# Vent Delivery

- ▶ Patient doesn't need CPEP therapy while on the vent
- ▶ Use CHFO only
  - ▶ Manual Mode
  - ▶ Use a pressure that is 5 above peak pressure
    - ▶ For example if you are on volume ventilation with an average peak pressure of 25cmH<sub>2</sub>O, then start the CHFO therapy on 30cmH<sub>2</sub>O
  - ▶ Press START (Neb "ON")
  - ▶ Put finger over end and let get to pressure before attaching to spring T
  - ▶ Deliver for 10 minutes





# Volara through the vent: Considerations...

- ▶ The volara operates on 21% and therefore adds room air to the circuit. You may need to increase the delivered FIO<sub>2</sub> to compensate.
- ▶ If vent is “autocycling” at an increased rate, you can change to from flow to pressure trigger breath initiation.
- ▶ You may also need to adjust the sensitivity temporarily

# STARTING VOLARA?

Yes

Is the patient on a ventilator?

No

Set up circuit using ventilator adaptor  
\*use neb or stopper where applicable\*

Set up circuit with neb and:  
• MOUTHPIECE  
• AMBU MASK  
• TRACH ADAPTOR

**DO NOT LEAVE ROOM WHILE PERFORMING THERAPY.  
MUST STAY IN ROOM FOR FULL 10 MINUTES!**

CHOOSE MANUAL MODE

CHOOSE AUTOMATIC MODE

**SELECT CHFO ONLY!!**  
peak >25? set 5 above peak  
peak <25? set to 25

1. Place pt in VC or PC
2. Change trigger to Pressure of 10
3. Place pt on a rate if spont. breathing

i.e. if peak pressure is 30, set CHFO pressure to 35.

If pt tolerates, alternate between low/med/high every 2:30 minutes

PRESS START

STOP THERAPY AFTER 10 MINUTES  
\*\*\*TAKE VOLARA OUT OF CIRCUIT BEFORE PRESSING STOP\*\*\*

1. START WITH MED. SETTING TO ASSESS PT TOLERANCE/ABILITY
2. PRESS START
3. CHANGE TO LOW/MED/HIGH AFTER TOLERANCE ASSESSED
4. PRESS PAUSE DURING COUGHING OR PT BREAKS

THERAPY WILL STOP AFTER 10 MINUTES

Contraindication: untreated pneumothorax