

HEALTHEAST MEDICAL TRANSPORTATION
MEDICAL OPERATIONS MANUAL

7F6 VENTILATOR MANAGEMENT

PATIENT CARE GOALS

- Appropriately manage the Newport ventilator to provide oxygenation and ventilation for the patient requiring mechanical ventilation.

PARAMEDIC

Setting Up the Ventilator

1. Turn on the ventilator using the black toggle switch on the back of the machine.
2. Assemble breathing circuit and attach to ventilator (see photos, below).

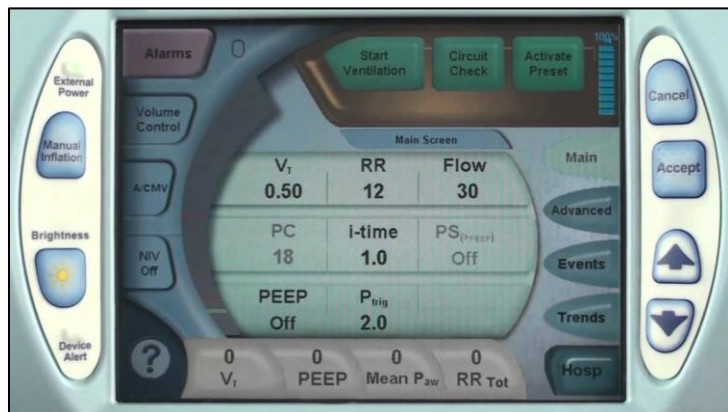


Patient side assembly



Circuit attachment to ventilator

3. Ensure blender is turned to 21% FiO₂.
4. Initiate a circuit check by pressing middle green "Circuit Check" button at top right of screen. Follow instructions on the ventilator screen to complete the circuit check.
5. Enter patient ventilator settings acquired from nurse, respiratory therapist or physician. Remember to press "Accept" after each change to confirm the setting.
6. Auscultate lung sounds.
7. Attach breathing circuit to test lung and press "Start Ventilation".
 - a. Test lung may cause high-pressure alarm to sound.
8. Attach to oxygen source.
9. Confirm proper operation.
10. Remove test lung from breathing circuit, apply in-line capnography if indicated, and apply circuit



Ventilator home screen

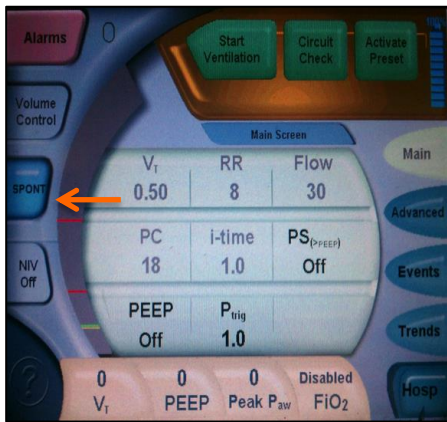
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to patient.

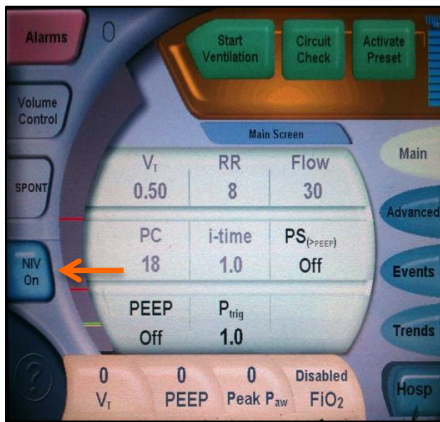
11. Auscultate lung sounds.
12. Quickset alarms by pressing “Alarms”, “Quickset”, “Accept”. After several seconds, the alarm parameters will automatically be set.
 - a. Alarm Quickset will not work if there are alarms sounding or previous alarms have not been cleared.
 - b. To clear previous alarms, press the red alarm silence button until the three green buttons appear again at the top right of the screen.

Programing the Vent for BiPAP

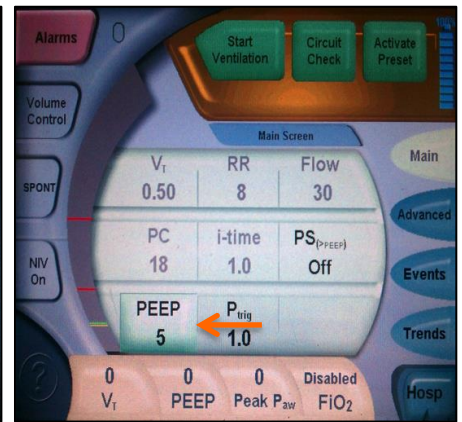
1. Perform initial setup by following Steps 1-4 above.



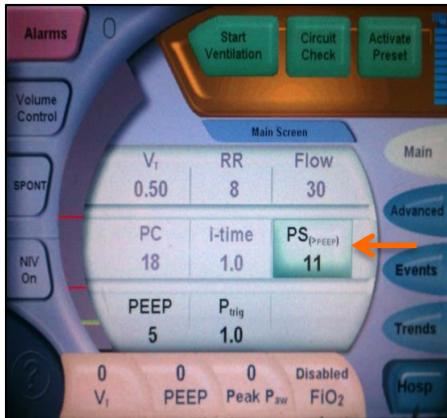
2. Select Spontaneous Mode (Spont).



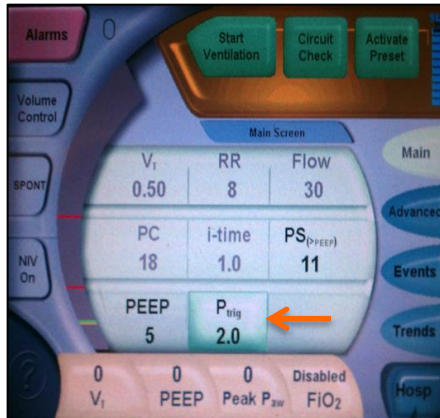
3. Set NIV On.



4. Set PEEP to desired ePAP.



5. Set PS equal to desired iPAP minus PEEP.



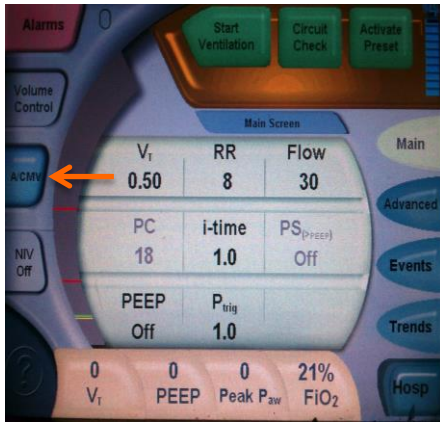
6. Set P_{trig} to 2.0.

7. Set FiO₂ blender to appropriate amount and connect ventilator to oxygen source.
8. Start ventilation.
9. Place the mask on patient's face and apply gentle pressure until a tight seal is obtained.
10. Attach the head straps once the patient becomes comfortable with the treatment. Tighten straps sufficiently to maintain a leak-free mask seal.

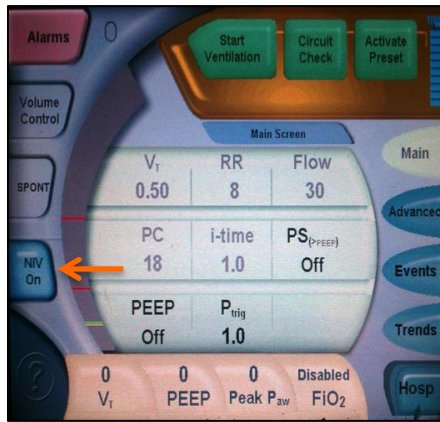
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Programing the Vent for BiPAP with a Rate

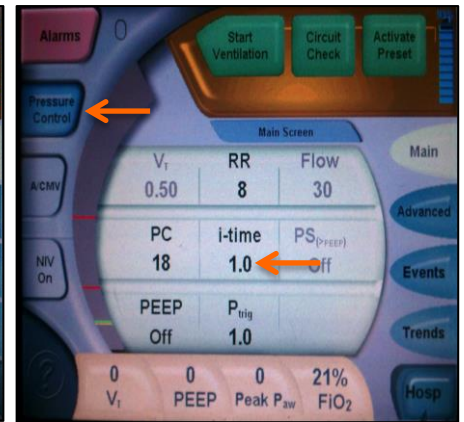
1. Perform initial setup by following Steps 1-4 above.



2. Select Assist Control (A/CMV) mode.



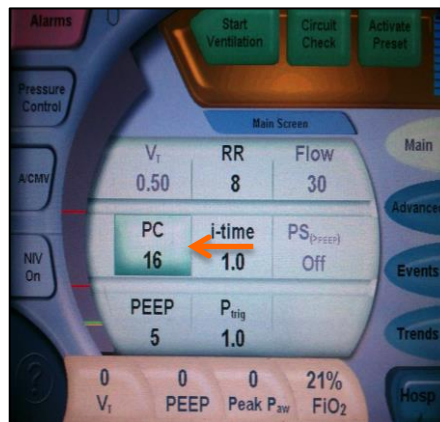
3. Set NIV On.



4. Set to Pressure Control Mode



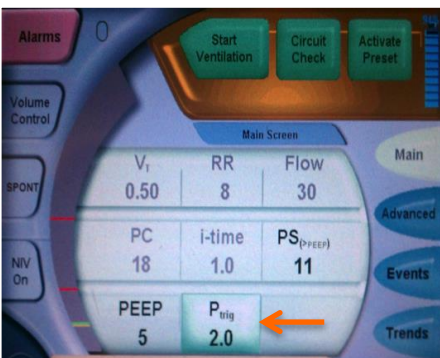
5. Set PEEP to desired ePAP.



6. Set PC to desired iPAP. Must be at least 5 higher than PEEP.



7. Set RR to desired respiratory rate.



8. Set P_{trig} to 2.0.

9. Set FiO₂ blender to appropriate amount and connect ventilator to oxygen source.
10. Start ventilation.
11. Place the mask on patient's face and apply gentle pressure until a tight seal is obtained.
12. Attach the head straps once the patient becomes comfortable with the treatment. Tighten straps sufficiently to maintain a leak-free mask seal.

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DOCUMENTATION KEY POINTS

- Reason for using mechanical ventilator and complications, if any, encountered.
- Ventilator mode: NIV, Assist Control, IMV, SIMV.
- Tidal volume, FiO₂, rate, PEEP.
- For BiPAP document inspiratory and expiratory pressures.

NOTES

None