



Lesson Plan: EPIC – Ventilators

Topic:	EPIC – Ventilators
Presenter:	West Michigan Regional Medical Consortium CE Sponsor Program
Location:	West Michigan Regional Medical Consortium CE Sponsor Locations
Credit Category:	Medical – 0.5-hours Airway – 0.5-hours Special Considerations: Pediatric Airway – 0.5-hours
License Level:	MEDIC
Credits:	1.5
Format:	1.5-hour guided practical and competency evaluation (following online cognitive learning)

Objectives: At the conclusion of this CE session, the participants will be able to:

Cognitive

1. Understand the principals and goals of ventilator use.
2. Understand proper ventilator settings, adjustment, alarms and troubleshooting.
3. Recognize improper vent settings based upon patient responses.

Psychomotor

1. Demonstrate proper vent assembly and set up when provided with predetermined settings.
2. Demonstrate proper setting of PEEP, and proper response to leak, high-pressure and low-pressure alarms.
3. Adjust ventilator settings to compensate for either improper settings or changes in patient status.
4. Properly disassemble, clean and store the ventilators when treatment has been discontinued.
5. Demonstrate how to suction the ventilated patient.

Affective

1. Understand the proper approach to the evaluation of the vented patient prior to transition to the EMS ventilator, proper transition.
2. Understand effective communications with facility staff when transporting a ventilated patient.

Outline for Session

1. Introductions
2. Review of PowerPoint graphic slides and print materials
 - a. How to set up the vent for operations
 - b. Ventilator checklist
3. Set up the predetermined, facility provided ventilator settings
4. Switch between the various modes of ventilation (AC, SIMV, PSV, CPAP, NPPV)
5. Adjust sensitivity



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6. Utilize the control lock and unlock features
7. Review the extended operational menus – O2 cylinder duration
8. Demonstrate how to perform suction on the ventilated patient
9. Discuss alarms and practice response to high-pressure, low-pressure, leak, low minute volume and apnea alarms.
10. Discuss and practice PEEP
11. Discuss and practice process of proper approach to the ventilated interfacility transfer patient and effective communications with facility staff.
12. Summary & Questions

Student Evaluation Method: Students will be evaluated through multiple methods, including formative evaluations within each learning module in the form of section quizzes which require 100 percent before moving to the next section; summative evaluation through an end-course online examination which requires a score of 90 percent or better; once the student has successfully completed the online learning modules and scored at or above 90 percent, they will attend a guided practical and competency evaluation, which will serve as a cumulative summative evaluation.

Evaluation of Presentation: Continuing Education Program Sponsor Evaluation Form will be filled out by all participants.