



## Zoll EMV+ Ventilator Skill Evaluation Form

Date : \_\_\_\_\_

Student Name: \_\_\_\_\_

Evaluator Name: \_\_\_\_\_

**Purpose:**

To teach and evaluate competent skills and decision making to meet or exceed the standard of care for ventilator dependent patients.

SKILL TASK	TASK COMP
Verbalizes Equipment Needed (Vent, Oxygen, BVM)	
Correctly Connects High Pressure Hose and QC	
Correctly Connects Circuit, Oxygen, and Exhalation Port	
Selects Correct Settings For Scenario #1 (AC Mode)	
Selects Correct Settings For Scenario #2 (SIMV Mode)	
Selects Correct Settings For Scenario #3 (CPAP)	
Selects Correct Settings For Scenario #4 (BiLevel)	
Demonstrates Checking & Troubleshooting Alarms	
Verbalizes Reasons for High & Low Pressure Alarms	
Verbalizes and Explains DOPE mnemonic	
Verbalizes and Understands Patient Must be Stable on Vent for 15 Minutes Prior to Transport	
PROFICIENT IN USE	

Student Signature: \_\_\_\_\_

Evaluator Signature: \_\_\_\_\_

## Vent Scenarios

### Scenario 1: AC

Vt: 350

RR: 12

PEEP: 7

FiO2: 21

I:E 1:2 (Ask what this means)

High Pressure Alarm goes off PIP >35. Next steps?

- Decrease Vt / Decrease PEEP. Describe effects of both changes.

### Scenario 2: SIMV

Ask them how to change it to a SIMV mode and what that means for the patient.

What kind of patients would benefit from SIMV vs. AC?

If patient is not tolerating ambulance trip and you decide to sedate patient further, what vent considerations would you need to make?

(e.g...if they are heavily sedated, do you need to switch to AC mode to support the decline in respiratory effort from the patient?)

### Scenario 3: CPAP

Emphasize they need to start in Mask CPAP mode from the start menu. This turns on the leak compensation for the device. Also emphasize mask seal.

What can the Paramedic do to make it easier for the patient to trigger a breath? Change the trigger sensitivity closer to -0.5.

### Scenario 4: BiPAP (aka BL on our Vent)

IPAP/EPAP: 12/5

Trigger: -0.5 (makes it easier to trigger a breath)

Cycle % off time: 40% (helps the patient take a longer breath)

FiO2: 60

**\*\*IN SC YOU MUST OBTAIN A DHEC PART-C FORM ANY TIME YOU ARE TRANSPORTING A PATIENT ON THE VENTILATOR. (THIS INCLUDES BOTH INVASIVE AND NON-INVASIVE VENTILATION)\*\***