

Scenario A - Assist Control- Volume

Scenario: 65 y/o female with History of CHF was treated in the Emergency Room for exacerbation of her condition. Patient is intubated, not breathing spontaneously and with all appropriate treatment in place. Patient is to be transferred to a higher level of care facility. Ground transport is required, current level of care is to be maintained. Upon arrival to Hospital receive patient report and establish that the ventilator settings required.

Vt (ml)	BPM	I:E	O ₂ %	PEEP	Pmax	Pmin
450	12	1:2	60	5	40	10

Adjust ventilator settings to those required above and correct any potential hazards or alarms conditions that may occur

Scenario B - Assist Control - Pressure

Scenario: 56 y/o Male with History of COPD was treated in the Emergency Room for exacerbation of her condition. Patient is intubated, not breathing spontaneously and with all appropriate treatment in place. Patient is to be transferred to a higher level of care facility. Ground transport is required, current level of care is to be maintained. Upon arrival to Hospital receive patient report and establish that the ventilator settings required.

PSV (cmH ₂ O)	BPM	I:E	O ₂ %	PEEP	Pmax	Pmin
30	14	1.6:2.8	60	10	50	15

Adjust ventilator settings to those required above and correct any potential hazards or alarms conditions that may occur.

Scenario C - Assist Control- Volume Pediatric

Scenario: 8 y/o female with History of Asthma was treated in the Emergency Room for exacerbation of her condition. Patient is intubated, not breathing spontaneously and with all appropriate treatment in place. Patient is to be transferred to a higher level of care facility. Ground transport is required, current level of care is to be maintained. Upon arrival to Hospital receive patient report and establish that the ventilator settings required.

Vt (ml)	BPM	I:E	O ₂ %	PEEP	Pmax	Pmin
300	18	1:2	100	3	25	5

Adjust ventilator settings to those required above and correct any potential hazards or alarms conditions that may occur.

Scenario D – SIMV-Volume

Scenario: 75 y/o Male with a History of Respiratory Failure is a ward of the State. Patient is ventilator dependent and resides at local Skilled Nursing facility in the ventilator unit. The patient has contracted pneumonia and is in need of transport to the emergency room for further treatment. Patient is to be transferred to a higher level of care facility. Ground transport is required, current level of care is to be maintained. Upon arrival to Hospital receive patient report and establish that the ventilator settings required.

Vt (ml)	BPM	I:E	O ₂ %	PEEP	Pmax	Pmin
580	16	1.8:3	100	4	35	5

Adjust ventilator settings to those required above and correct any potential hazards or alarms conditions that may occur.

Scenario E – SIMV (Pressure Support)

Scenario: 86 y/o Female with History of Emphysema and is ventilator dependent. Patient resides at local Skilled Nursing facility in the ventilator unit. The patient is suffering from acute exacerbation of condition and is in need of transport to the emergency room for further treatment. Patient is to be transferred to a higher level of care facility. Ground transport is required, current level of care is to be maintained. Upon arrival to Hospital receive patient report and establish that the ventilator settings required.

PSV (cmH ₂ O)	BPM	I:E	O ₂ %	PEEP	Pmax	Pmin
35	12	1:2	100	4	40	10

Adjust ventilator settings to those required above and correct any potential hazards or alarms conditions that may occur.

Scenario F - SIMV - Volume - Pediatric

Scenario: 6 y/o Male, with a history of Epilepsy, is being treated in the ER for continuous grande mal seizures. Patient is sedated and seizures have been treated. Patient is intubated and with all appropriate treatment in place. Patient is to be transferred to a higher level of care facility. Ground transport is required, current level of care is to be maintained. Upon arrival to Hospital receive patient report and establish that the ventilator settings required.

Vt (ml)	BPM	O ₂ %	I:E	PEEP	Pmax	Pmin
250	22	100	1:1.6	4	25	3

Adjust ventilator settings to those required above and correct any potential hazards or alarms conditions that may occur.

Scenario G – CPAP

Scenario: 74 y/o Male with history of COPD. Patient is presenting today with increased difficulty breathing. Upon arrival all appropriate evaluation have been conducted and initial treatment in place. Patient vitals are BP 180/90, HR 96, RR 28, spO_2 89%, ETCO_2 55mmHg. Patient lung sounds are determined to be fine rales in the lower airway. Patient qualifies for CPAP therapy. Treat and transport patient adjusting CPAP settings as required by the patient and correct any potential hazards.

CPAP (cmH_2O)	O_2 %	Pmax	Pmin
TBD by user	TBD by user	TBD by user	TBD by user

Scenario H – BiPAP (CPAP + PSV)

Scenario: 62 y/o Male with history of CHF. Patient is presenting today with increased shortness of breath, cough with expectoration of white to yellow phlegm, increased weight and pedal oedema. Upon arrival patient is found seated on the edge of the bed, leaning forward and supporting his weight on his palms. He has marked dilated neck veins, accessory muscle use and is breathing through pursed lips. Patient vitals are BP 150/90, HR 124, RR 28, spO2 85%, Temp 105oF. Patient qualifies for BiPAP therapy however BiPAP is not a set mode on the ventilator. Treat and transport patient adjusting ventilator to deliver BiPAP and adjust settings as required by the patient and correct any potential hazards.

CPAP (cmH ₂ O)	PSV	O ₂ %	Pmax	Pmin
TBD by user	TBD by user	TBD by user	TBD by user	TBD by user

Scenario I - Unprotected airway CPR

Scenario: 56 y/o Male in full cardiac arrest. CPR is in progress with appropriate interventions in place. Advanced airway could not be established and secondary airway device is ineffective. Continue treatment with CPR protocols and utilize appropriate e700 CPR mode to ventilate patient.

CPR Mode	Vt (ml)	BPM	O ₂ %	Pmax	Pmin
TBD by user	TBD by user	TBD by user	TBD by user	TBD by user	TBD by user

Scenario J – Protected airway CPR

Scenario: 12 y/o Female in full cardiac arrest. CPR is in progress with appropriate interventions in place. Advanced airway established. Continue treatment with CPR protocols and utilize appropriate e700 CPR mode to ventilate the patient.

CPR Mode	Vt (ml)	BPM	O ₂ %	Pmax	Pmin
TBD by user	TBD by user	TBD by user	TBD by user	TBD by user	TBD by user

