

Mechanical Ventilation: Standard Weaning Criteria (Respiratory Therapy)

CHECKLIST

S = Satisfactory **U** = Unsatisfactory **NP** = Not Performed

Step	S	U	NP	Comments
Performed hand hygiene before patient contact.				
Introduced self to the patient.				
Verified the correct patient using two identifiers.				
Assessed the patient for signs and symptoms of inadequate ventilation.				
Assessed the patient's need for a long-term artificial airway and mechanical ventilatory assistance.				
Considered positioning the patient in a high semi-Fowler position, if his or her condition allowed.				
Performed hand hygiene and donned gloves.				
Explained the procedure to the patient and ensured that he or she agreed to treatment.				
Attached a portable respirometer to the airway via the adapter and the series of one-way valves. If the patient was receiving PPV, placed him or her back on the ventilator (or manually ventilated with a self-inflating manual resuscitation bag) to rest for a few minutes between all measurements.				
Measured VTS.				
1. Instructed the patient to breathe normally.				
2. Counted the frequency and recorded the minute ventilation.				
3. Divided minute ventilation by f to obtain the average VTS.				
Measured VC.				
1. Verified that the respirometer was at the starting point.				
2. Instructed the patient to inhale as deeply as possible.				
3. Instructed the patient to exhale as much as possible.				
Measured NIF.				
1. Closed or capped the inspiratory one-way valve, ensuring a closed system for measurement of inspiratory effort but allowing exhalation.				
2. Attached the pressure manometer to the airway with the adapter and one-way valves.				

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3. Instructed the patient to inhale as deeply as possible.				
4. Observed the manometer needle during inspiration.				
5. After the patient had been attached to the closed system manometer for a few seconds, instructed him or her to initiate a series of breaths and generate a negative pressure.				
6. Watched the manometer as the 20 seconds elapsed and stopped the procedure after the NIF measurements peaked within the maximum time allowed or if the patient did not tolerate the procedure.				
Measured PEP.				
1. Capped the expiratory valve, ensuring the patient was able to breathe in but had to exhale against a closed system.				
2. Attached the pressure manometer to the airway via the adapter and one-way valves.				
3. Instructed the patient to take a deep breath and exhale forcefully because PEP is effort dependent.				
4. Instructed the patient to exhale forcefully a number of times (not to exceed 20 seconds). Recorded the greatest positive number.				
Encouraged the patient throughout all measurements.				
Observed the patient for signs or symptoms of pain. If pain was suspected, reported it to the authorized practitioner.				
Discarded supplies, removed gloves, and performed hand hygiene.				
Documented the procedure in the patient's record.				

Learner: _____ Signature: _____

Evaluator: _____ Signature: _____

Date: _____