

Airway: BVM with In-Line Nebulizer

Applies to:

P

Paramedic

Clinical Indications:

1. In-line nebulization via BVM is indicated in patients whom inadequate ventilation is suspected and who present with bronchospasm (wheezing).

Procedure:

1. Ensure adequate oxygen supply to ventilation device.
2. Explain the procedure to the patient.
3. Assemble the BVM with nebulizer by adding a handheld nebulizer device between the BVM and mask using a clear adapter; add albuterol/ levalbuterol.
4. Connect the DISS adapter to demand port on regulator. Oxygen will automatically flow at 7-8 lpm.
5. Connect the BVM tubing to the primary port on the regulator and begin flow rate at 15 lpm.
6. Place the delivery mask over the mouth and nose. Oxygen should be flowing through the device at this point.
7. Secure the mask to the face using a 2-hand “E-C” technique.
8. Evaluate the response of the patient assessing breath sounds, oxygen saturation, EtCO₂ and general appearance.
9. Titrate oxygen levels to the patient’s response (O₂ sat > 92%).
10. Encourage the patient to allow assisted ventilation to occur.
11. Observe closely for signs of complications and deterioration.
12. Document time and response in the EHR.

