

Procedure : Preparation of Nebulizer Using Nebulizer Machine

Equipment & Consumables

Nebulizer machine
Nebulizer tubing
Medication chamber
Mask or mouthpiece
Prescribed nebulizer medication
Normal saline (if ordered)
Syringe and needle (for drawing up medication)
Alcohol swab
Kidney dish
Gloves

Syringe and Needle for Nebulizer Medication

Syringe

Size: 3 mL syringe

Reason: Most nebulizer medications are **2–3 mL**
Allows **accurate measurement** of small volumes
(5 mL syringe is acceptable, but 3 mL is preferred in OSCE)

Needle

Size: 21G or 23G needle

Length: 1 inch (standard)

Reason: Suitable for **drawing up medication** from ampoule or vial
Not used for injection, **only for preparation**

No.	Step / Criteria	Done (✓)	Not Done (X)
1	Performs hand hygiene	<input type="checkbox"/>	<input type="checkbox"/>
2	Introduces self and explains procedure to patient	<input type="checkbox"/>	<input type="checkbox"/>
3	Prepares all required equipment and consumables	<input type="checkbox"/>	<input type="checkbox"/>

4	Checks doctor's order and correct medication (7 rights)	<input type="checkbox"/>	<input type="checkbox"/>
5	Checks medication label and expiry date	<input type="checkbox"/>	<input type="checkbox"/>
6	Uses syringe and needle to draw up correct medication dose	<input type="checkbox"/>	<input type="checkbox"/>
7	Transfers medication safely into nebulizer chamber	<input type="checkbox"/>	<input type="checkbox"/>
8	Assembles nebulizer correctly and connects tubing to machine	<input type="checkbox"/>	<input type="checkbox"/>
9	Positions patient upright or semi-Fowler's	<input type="checkbox"/>	<input type="checkbox"/>
10	Applies mask/mouthpiece, switches on machine, ensures mist	<input type="checkbox"/>	<input type="checkbox"/>
11	Observes patient during nebulization	<input type="checkbox"/>	<input type="checkbox"/>
12	Provides feedback to patient after procedure	<input type="checkbox"/>	<input type="checkbox"/>
13	Switches off machine and provides post-procedure care (rinse mouth, clean equipment)	<input type="checkbox"/>	<input type="checkbox"/>
14	Documents procedure correctly	<input type="checkbox"/>	<input type="checkbox"/>