



Nebulizer Therapy

Northwestern Memorial Hospital

April 2020



Nebulizer Kit



The NebuTech kit comes with the following parts:

- Nebulizer cup setup
- Mouthpiece
- Oxygen tubing

Initial Setup



Instill the contents of the entire medication vial into the medication cup.



Connect the medication cup to the reservoir tower.

Initial Setup with Mouthpiece



Connect the mouthpiece to the reservoir tower with the exhalation valve facing up.

Initial Setup with a Mask



To connect a mask, remove the stopper piece from the top and connect to the side of the reservoir tower.

Initial Setup with a Mask



Insert the adapter from the kit on the top port, then connect the mask.



Setup In-Line with a T-Piece

- Nebulizers can be given in-line with a non-invasive device or via a ventilator circuit.
- Set up the nebulizer as shown previously in the mask setup, but do not attach the mask.
- Connect the adapter on top of the nebulizer into a spring-loaded T-piece in the circuit by pushing in and gently twisting. (Ask a respiratory therapist to set up the T-piece).



Connecting the Oxygen Tubing



Connect oxygen tubing to the bottom of the medication cup.

Connect the other end of the tubing to the oxygen flowmeter and run the flowmeter at 8 LPM.



Completing the Treatment

The nebulizer treatment will take about 10 minutes to finish.

Once the medication cup is empty, turn the flow off the flowmeter and disconnect the tubing.

Disassemble the parts of the nebulizer, rinse with sterile water or saline and place upside down on a clean towel to air dry.

Documentation

Inhalation therapy

8/27/19	
1300	
Inhalation Therapy Tx	
Delivery Source	Oxygen
Interface	Mouthpiece
O2 Therapy	Room air
□ O2 Device	None (Room air)
\$ FIO2 (%)	
\$ O2 Flow Rate (L/min)	
SpO2	98
Safety Instructions	
Equipment Change Due Date	
Personal Best Peak Flow	
Predicted Peak Flow	
\$ Pre Peak Flow	
Pre-Treatment Breath Sounds Right	Coarse
Pre-Treatment Breath Sounds Left	Coarse
Pre-Treatment Pulse	85
Pre-Treatment Respirations	20
Post Peak Flow	
Post-Treatment Breath Sounds Right	Improved
Post-Treatment Breath Sounds Left	Improved
Post-Treatment Pulse	87
Post-Treatment Respirations	24
Post-Treatment SpO2	97
□ Cough	Strong
Respiratory Pattern	
Duration	10
\$ Treatment Device	HHN
Rinse Mouth	
Treatment tolerated?	Yes

Document fields as shown above.

Make a comment in “Delivery source” if patient refused.

	1230	8/27/19	1240
Inhalation Therapy Tx			
Delivery Source	Oxygen		
Interface	Mouthpiece		
O2 Therapy	Room air		
□ O2 Device	None (Room air)		
\$ FIO2 (%)			
\$ O2 Flow Rate (L/min)			
SpO2	98		
Safety Instructions			
Equipment Change Due Date			
Personal Best Peak Flow			
Predicted Peak Flow			
\$ Pre Peak Flow			
Pre-Treatment Breath Sounds Right	Coarse		
Pre-Treatment Breath Sounds Left	Coarse		
Pre-Treatment Pulse	86		
Pre-Treatment Respirations	20		
Post Peak Flow			
Post-Treatment Breath Sounds Right			Improved
Post-Treatment Breath Sounds Left			Improved
Post-Treatment Pulse			87
Post-Treatment Respirations			24
Post-Treatment SpO2			97
□ Cough			
Respiratory Pattern			
Duration	10		10
\$ Treatment Device	HHN		HHN
Rinse Mouth		\$ Treatment Device	
Treatment tolerated?			Yes
Additional Assessments			
Host Note	HHN (Abuterd) by Anne, RN at 08/27/19 1230		
Observations			

If more than one medication is given, create a second time column.

- Document pre in the first column and post in the second column.
- Add the medication name in the comments section.