

HOW TO SUCTION

Fundamentals of Nursing The Art and Science of Nursing 7th edition Taylor, Lillis, LeMone, Lynn

- Perform hand hygiene and wear appropriate PPE
- Identify Patient
- Place patient in semi-fowler's position
- Adjust suction to appropriate pressure
 - Wall unit for:
 - adult: 100-120mm Hg
 - neonates: 60-80 mm Hg
 - Infants: 80-100 mm Hg
 - Children: 80-100 mm Hg
 - Adolescents: 80-120 mm Hg
 - Portable unit for:
 - Adult: 10-15 cm Hg
 - neonates: 6-8 cm Hg
 - Infants: 8-10 cm Hg
 - Children: 8-10 cm Hg
 - Adolescents: 8-10 cm Hg
- Check connecting tubing to check suction pressure
- Open sterile suction package using aseptic technique
 - Pour saline into tray
- Increase supplement O2 or apply per protocol
- Put on face shield or goggles and mask. Put on sterile gloves
 - Dominant hand manipulates the catheter and must remain sterile
 - Nondominant hand is considered clean rather than sterile and will control the suction valve (Y port) on the catheter
- Connect tubing and suction catheter
- Moisten catheter by dipping it into the container of sterile saline. Occlude Y-tube to check suction
- Encourage patient to take several deep breaths
- Apply lubricant to first 2"-3" of catheter
- Do not apply suction as the catheter is inserted
 - Hold the catheter between thumb and forefinger
- Insert catheter
 - Nasopharyngeal – gently insert catheter through nares and along the floor of the nostril toward trachea
 - Advance approximately 5"-6" to reach the pharynx
 - Oropharyngeal – insert catheter through the mouth, alongside the mouth toward the trachea
 - Advance the catheter 3"-4" to reach pharynx

- Apply suction by intermittently occluding the Y port on the catheter with the thumb of your nondominant hand
- Gently rotate the catheter as it is being withdrawn
- DO NOT suction for more than 10 to 14 seconds at a time
- Replace O2 device using nondominant hand and have patient take several deep breaths
- Flush catheter with saline
- Assess effectiveness of suctioning and repeat as needed
 - Wrap suction catheter around your dominant hand between attempts
- Allow at least 30 second to 1minute interval if additional suctioning is needed

Equipment Needed:

1. WALL OUTLET OR WORKING PORTABLE SUCTION MACHINE
2. ADAPTERS FOR WALL OUTLETS
3. CLEAN AND STERILE GLOVES
4. TUBING
5. STERILE DISPOSABLE SUCTION SETS WITH VARIOUS SIZES OF SUCTION CATHETERS
6. STERILE CONTAINERS FOR STERILE SOLUTION
7. STERILE WATER OR STERILE NORMAL SALINE SOLUTION
8. TONGUE DEPRESSORS PADDED WITH GAUZE
9. AN OXYGEN SOURCE AND ADMINISTERING EQUIPMENT
10. PACKETS OF STERILE, WATER-SOLUBLE LUBRICANT
11. GOWNS, MASKS AND GOGGLES