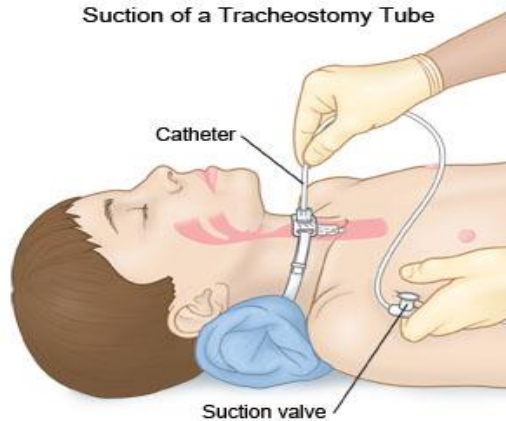


# TRACHEOSTOMY SUCTIONING (PEAD)

Pre oxygenate with  
100% O<sub>2</sub> for 30-60  
seconds

1. To maintain patent airway
2. To improve gas exchange
3. To obtain tracheal aspirate
4. To prevent effect of retained secretions.

Suction of a Tracheostomy Tube



Sterile  
technique  
should take no  
longer 15  
seconds



Suction catheter size = 2 × (size of trach tube - 2)

## RECOMMENDED PEDIATRIC TRACHEOSTOMY SUCTIONING PRESSURES

- 60 to 80 mm Hg (7.9 to 10.6 kPa) for neonates
- 80 to 100 mm Hg (10.6 to 13.3 kPa) for children
- 80 to 120 mm Hg (10.6 to 15.9 kPa) for adolescents

## COMPLICATIONS

- Hypoxia
- Vagal stimulation
- Damage to mucus membrane
- Sudden death
- When artificial airways in place , occlusion of the airway can occur when an inappropriate catheter size is chosen

## REFERENCES:

1. <https://procedures.lww.com/>
2. [library.dha.gov.ae/faq/Lippincott-procedures/](http://library.dha.gov.ae/faq/Lippincott-procedures/)
3. [https://www.aci.health.nsw.gov.au/\\_data/assets/pdf.../Suction](https://www.aci.health.nsw.gov.au/_data/assets/pdf.../Suction)