

# PATIENT'S MANUAL

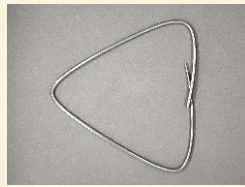
## Contents



Aum Voice Prosthesis



Shushruth Inserter



Guide Wire



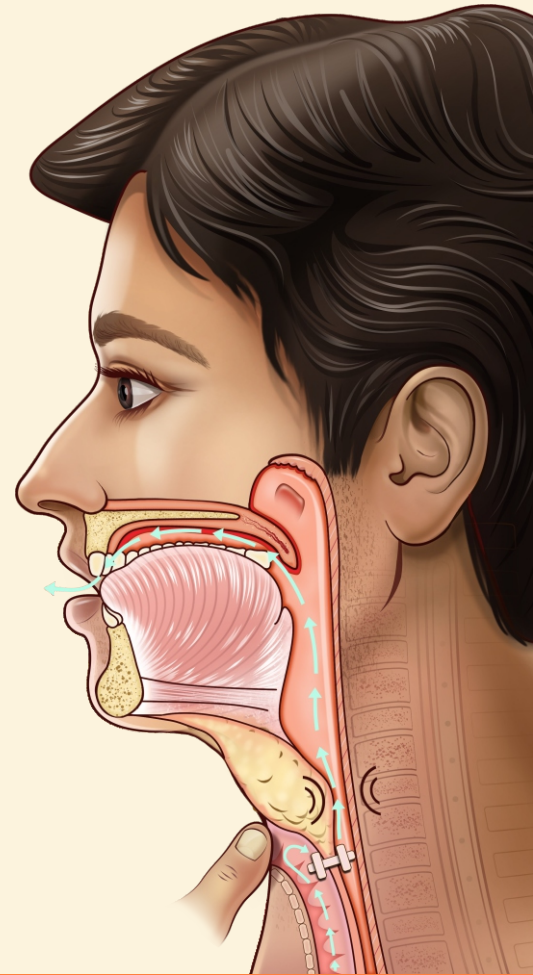
TEP Brush



Scarf



Canvas Pouch



## What is Voice Prosthesis?

Voice prosthesis is an artificial device made of platinum cured silicone, used after the removal of the voice box of laryngectomized patients. In 'Total Laryngectomy', the voice box of patient is removed because of which they lose their voices after the surgery. Voice prosthesis is a sterile single use device which can enable patients to speak again after the surgery.

## How does Prosthesis work?

An opening is made between the wind pipe (trachea) and food pipe (esophagus) (tracheoesophageal puncture) and the voice prosthesis is inserted in the puncture. Puncture can be done either primarily during the procedure of total laryngectomy or at a later date. Prosthesis has two flanges, one flange is at the wind pipe (tracheal end) and the other one in the food pipe (esophageal end). By occluding the stoma, the air from the lungs is driven to the food pipe through the prosthesis, this causes the vibration of the tissues in the food pipe, and due to the vibration of the food pipe (pharyngo-esophageal segment) the voice is produced. The valve in the prosthesis prevents the entry of food from the



## What is Voice Prosthesis?

If a patient with voice prosthesis wants to speak, they have to take a deep breath through the hole, block the hole with finger and then try to speak.

Patient need to wear scarf-especially design for the patients, over the prosthesis to prevent the dust and foreign body entering the airway. Scarf also gives the cosmetic cover to that area.

## How to take care of it?



TEP Brush

**Daily Cleaning** - To optimise the use of the prosthesis, the device needs to be cleaned daily at least once with the voice prosthesis brush provided in the kit. This also increases the longevity of the prosthesis.

**Consuming helpful diet** - Some dietary measures, like the daily intake of yogurt or butter milk containing lactobacilli, are considered to be helpful against excessive Candida growth.

## When to consult your doctor?

1. If there is a leak through the prosthesis or around the prosthesis, which causes the food particles or the liquids to enter the lungs and causing cough, then doctor needs to be consulted and prosthesis needs to be changed.
2. If there is pain, discharge of the pus or foul smell at the prosthesis site, it indicates that the area around the prosthesis is infected. Treatment for the infection has to be started and if required the voice prosthesis has to be changed.
3. If the voice prosthesis is misplaced in to the trachea or lungs, which is an emergency condition and needs immediate attention.
4. If the prosthesis is accidentally swallowed.
5. If the patient is not able to speak or have to strain a lot to speak.

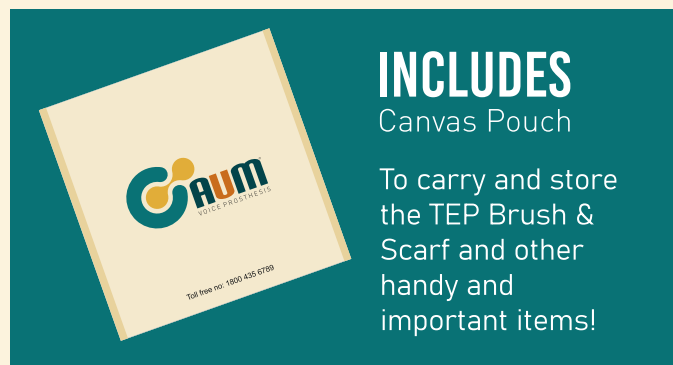
## Device's Lifespan



Duration: On an average **6-12** months, requiring replacement



Reason: Wear and tear is due to the use and **biological colonization** of the device. Also, food particles accelerates the wear and tear.



**INCLUDES**  
Canvas Pouch

To carry and store the TEP Brush & Scarf and other handy and important items!

## When the prosthesis need to be changed?

1. If there is leakage through the prosthesis, causing cough and aspiration.
2. If there is infection around the prosthesis site. Usually the biofilms clogs the prosthesis and prevents the functioning of the prosthesis.

## How to take care of it?

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