The 1st device that allows simultaneous ventilation & intubation with continuous visualization

totaltrack VLM
The Totaltrack VLM is a versatile single use disposable device for managing anticipated or unexpected difficult patient airway interventions.

The Totaltrack VLM incorporates quick adapt light weight Videotrack reusable camera and monitor system.

The Totaltrack VLM is the only device that allows for positive pressure oxygenation in the ventilation and intubation and extubation mode with continuous visualization.

The Totaltrack VLM is single operator controlled. The healthcare provider may be in any position relative to the patient resulting in easier intubation and extubations during trauma or emergency situations.
THE 1st AIRWAY MANAGEMENT DEVICE THAT PERMITS:

- Continuous visualization during ventilation and intubation mode and vice versa.
- Safe extubation with continuous visualization and uninterrupted ventilation.
- User friendly, single operator controlled hand held device.
- Trained healthcare provider may insert the device from any position respective to the patient.
- Laryngeal blade distal tip protected by patented silicone sleeve, reducing possibility of tip breakage and tissue injury.
- Dedicated gastric aspiration tube.
- Dedicated laryngeal tube for aspiration of internal mask secretions.
- Optical antifog system.
- SD memory card for recording and video documentation.
- Video cable output jack for secondary monitor.
- Use with any large endotracheal tube (ETT) PVC or Silicone up to size 8.5. (ETT not included)
**INDICATIONS:**

1. Routine Airway management when intubation is needed.
2. Routine airway management for anticipated difficult supraglottic ventilation.
3. Routine airway management in patients with potential complications due to illness or surgical intervention.
5. As a rescue device.
6. For patients with cervical pathology.
7. For video documentation.
10. To insure extubation with positive pressure oxygenation in the ventilation mode.
11. Permits modification of anesthesia from deep to superficial anesthesia while changing from intubation to ventilation mode.

**Contraindications:**
Interdental opening less than 19 mm.
Safe extubation under continuous positive pressure oxygenation by transitioning to ventilation mode.

MANAGING INSTRUCTIONS

Preparation for use the Totaltrack VLM

1. Inspect the blister packaging for integrity and open according to hospital protocol.
2. Inflate the cuff of the Totaltrack VLM to reassure it maintains constant air pressure. Then deflate the cuff.
3. Select the appropriate ETT size (endotracheal tube not included) corresponding to the size of the Totaltrack VLM.
4. Fully inflate the ETT cuff to check the cuff integrity, deflate it, lubricate it, and introduce it through the widest Totaltrack VLM channel.
5. Advance the ETT until the 25 cm mark coincides with the corresponding mark in the battery box.
6. Inflate the ETT cuff to the proper patient pressure.
7. Lubricate the posterior side of the Totaltrack VLM.
8. Introduce the Videotrack camera through the channel of the Totaltrack VLM battery receptacle.
9. Ensure the Videotrack camera male pin connector clicks into the sealed female receptacle, and the Videotrack monitor and minicamera lights on.
**Insertion of Totaltrack VLM**

With continuous visualization via the Videotrack camera and monitor, open the patient’s mouth and slide the Totaltrack VLM down the midline of the patient’s airway until proper placement is achieved. Confirm that the proximal end of the Totaltrack VLM is perpendicular to the mouth.

Inflate the Totaltrack VLM cuff to the right patient pressure.

**Different Uses of the Totaltrack VLM**

**Ventilation Mode:**

Connect the ETT proximal end to the oxygen supply of a resuscitation bag or an anesthesia ventilator.

Confirm the Totaltrack VLM is in proper position. If not, deflate the cuff and move the Totaltrack VLM backwards and forwards a couple of times until desired position is achieved. Then inflate the cuff again and restart the oxygen supply through the ETT.

The oxygen positive pressure supply should be continuous during the ventilation mode procedure.

**Intubation Mode:**

The Totaltrack VLM may be used in intubation mode by deflating the ETT cuff, gently advancing the tube under the view of the Videotrack in the ETT channel until it passes through the vocal cords inside the trachea. Then inflate the ETT cuff inside the patients trachea.

The oxygen positive pressure supply should be continuous during the shift from the ventilation mode to intubation mode and during the intubation mode.

Make sure that you have the patient vocal cords in the middle of the Videotrack monitor while you advance the ETT tube inside the trachea. If not, deflate the laryngeal mask cuff and move the laryngeal mask back and forth until the vocal cords are in the middle of the monitor screen. Then re-inflate the Totaltrack VLM cuff, restart the oxygen positive pressure supply, and try to advance the ETT tube through the vocal cords.
**Removal of the rigid inserter from the Totaltrack VLM**

**Ventilation Mode:**

The rigid blade of the Totaltrack VLM can be removed by gently detaching it laterally from the flexible tubing and sliding it backwards over the flexible portion of the Totaltrack VLM. The Flexible Part of the Totaltrack VLM can also be removed by sliding it backwards while using your finger to maintain the ETT in the same position in the patient trachea.

During this maneuver the ETT connector must be disconnected from the oxygen supply while pushing the ETT tube through the flexible Totaltrack VLM channel. Then immediately when the flexible portion is removed reconnect the ETT connector to the oxygen supply.

**Intubation Mode:**

The rigid blade of the Totaltrack VLM can be removed by gently detaching it laterally from the flexible tubing and sliding it backwards over the flexible portion of the Totaltrack VLM.

The Totaltrack VLM and batteries are disposed according to hospital protocol. The battery container can be cut from the Totaltrack VLM flexible tubing and dispose using the hospital protocol. The battery may be removed by unscrewing the battery container and removing the battery. Then dispose the individual battery according to hospital protocol.

**Instructions for use: Videotrack**

1. Carefully insert the camera through the channel located in the Totaltrack VLM battery container.
2. Once connected, the Videotrack may be started using the button located on the monitor panel.
3. To record, press the REC button located on the monitor panel.
4. To stop recording, press the STOP button on the monitor panel.
5. The camera may be removed by gently pulling it off the battery container.
6. To clean the camera and monitor screen, gently wipe with neutral pH cleaning products to ensure there is no damage to the monitor screen or camera lens.
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