



Department:

Respiratory Services

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PROCEDURE

Topic: Emergency –
Glidescope Cobalt Video
Laryngoscope (GVL)
(Respiratory Therapy)
Number: B-00-12-12068

Related Links:

APPLICABLE SITES:

St. Paul's Hospital

GENERAL INFORMATION:

The Glidescope Video Laryngoscope (GVL) is designed for “1st pass success”, and is an additional tool for managing difficult airways.

The Glidescope may be useful for the following procedures:

- Normal or restricted oropharyngeal views
- Trauma airways (i.e. blood or secretions in the airway)
- Cervical spine immobilization
- Awake intubation for difficult airway management
- Insertion of double lumen tubes
- Nasal tracheal intubation
- Supervision and teaching of airway anatomy and laryngoscopy
- Airway management for morbidly obese patients

EQUIPMENT:

- Glidescope Cobalt Video Laryngoscope System
- Cobalt Video Baton
- GVL Stat disposable blade size 4
- GVL Stat disposable blade size 3
- GlideRite Rigid Stylet or regular stylet
- Endotracheal tube (appropriately sized)
- Routine intubation equipment and supplies
- Isopropyl alcohol

GLIDESCOPE SYSTEM BATTERY CHARGE:

1. The monitor may be used at any time while plugged into an AC power source. The monitor may also be powered by internal battery provided it is fully charged.
2. To ensure proper charging, follow these steps in order:

- a. Make sure the AC power cord is disconnected and the power switch is in the **OFF** position.
- b. Slide the power switch at the back of the monitor to the **ON** position.

NOTE: If the AC power cord is inserted before the power switch is in the **ON** position, the charge status LED will flash orange.

- c. Plug the monitor into an AC power source. Insert the female end of the power cord into the port on the back of the monitor.
- d. The charge status LED will turn orange, indicating that the recharging cycle has begun.
- e. When charging is complete, the status LED will turn green. At this point, the unit is fully functional on battery power.

ATTACHING AND DETACHING THE GLIDESCOPE COBALT VIDEO BATON AND GVL STAT:

1. Insert the Video Baton cable into the port located on the face of the monitor so that the arrows on the cable and the monitor line up.
2. Insert the Video Baton into the sterile single-use GVL Stat until the baton clicks into place.

NOTE: Ensure proper insertion by matching the wide “collar” of the baton to the wide “collar” of the GVL Stat; or by matching the Glidescope logo on the side of the Video Baton with the Glidescope logo on the side of the GVL Stat.

3. To detach the GVL Stat from the Video Baton, grasp the base of the baton and pull firmly. You will hear a click as the baton detaches, and a small plastic piece will snap from the inside of the GVL Stat. This is normal and does not affect the function of the Video Baton.

NOTE: The used GVL Stat should be disposed of into a Biohazard waste container.

THE RON WALLS TECHNIQUE:

1. First look at the patient’s mouth directly when introducing the Glidescope into the midline of the oral cavity.
2. Then look at the monitor and elevate the tip of the blade to see the epiglottis and the glottic opening.
3. Next, look at the mouth to carefully guide the tube and stylet into position near the tip of the laryngoscope.
4. Then look back at the monitor to complete the intubation under direct vision.

TIPS FOR GLIDESCOPE VIDEO LARYNGOSCOPE INSERTION:

1. Recommended to insert the Glidescope down the midline of the tongue to the epiglottis.
2. The Glidescope may be used to produce a MacIntosh indirect lift of the epiglottis or a Miller lift.
3. Recommended to use a 90° angle for the endotracheal tube stylet. The GlideRite Rigid Stylet is specifically preformed to the appropriate angle to facilitate intubation.
4. To aid the passage of the endotracheal tube, withdraw the stylet approximately 5 cm and withdraw the Glidescope approximately 1-2 cm.

CLEANING THE GLIDESCOPE COBALT VIDEO BATON:

1. Remove the Video Baton from the GVL Stat disposable blade. Discard the blade.
2. Wash the Video Baton manually to remove all foreign material from the surface of the device.
3. Clean the baton, cable, and monitor with isopropyl alcohol. The baton may be placed in the video baton cradle after the GVL Stat has been removed.

MONITOR FRONT PANEL MENU BUTTON OPTIONS:

1. **Brightness:**
 - Press UP or DOWN to increase or decrease luminosity
 - A brightness setting of 18 – 20 is recommended
2. **Contrast:**
 - Press UP or DOWN to increase or decrease image contrast
 - A contrast setting of 16 – 20 is recommended
3. **Colour:**
 - Press UP or DOWN to increase or decrease displayed colour saturation
 - The default setting of 50 is recommended
4. **Mirror:**
 - Press UP to display a mirror image of the displayed image
 - Press DOWN to return to the original view
5. **Reset:**
 - Pressing either UP or DOWN will return all monitor settings to the factory defaults
6. **Exit:**
 - When exit is highlighted, press either UP or DOWN to save all settings and return to the viewing screen.