

## ENDOTRACHEAL TUBE TAPING GUIDE

### Equipment and Preparation for retaping



- This is a 2 practitioner procedure at all times. One to hold the ETT and one to tape.
- When retaping the Xray should be checked with the medical team to ensure appropriate position
- Necessary monitoring equipment, including an audible QRS tone on the monitor
- Mechanical insufflation-exsufflation (MIE) set
- Appropriately sized face mask
- Suction equipment – with appropriately sized suction catheters and yankeur
- ETT – 1 same size and 1 size smaller
- Correct size laryngoscope handle and blade
- Magills forceps
- KY Jelly
- Scissors
- Elastoplast tape, 2 pieces cut into 'trouser legs'
- Duoderm (if applicable)
- Cavilon swabs
- Adhesive remover wipes to remove old tapes
- Stethoscope
- ETCO2 detector
- Patent IV access
- Medications to be used for retaping of ETT
- All other necessary equipment ie bougie, introducer etc can be readily available on the airway trolley
- 3ml syringe to deflate the cuff- if the ETT is being moved position

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### Skin Care Considerations

- Before applying new tapes the face should be cleaned, allowed to dry and the skin integrity should be checked
- Nasal ETT: should be taped securely with the ETT pointed downwards, like an elephant's trunk, to avoid pressure on the nostril.
  - The skin should be checked that the tapes are not "pinching" with the anchoring trouser leg around the ETT.
- Oral ETT: The corners of the lips should be checked for skin integrity.
  - *If safe*, when retaping with the medical team the ETT can be moved to the other side of the mouth.
- Avoid taping on the lips, the adhesive can be irritating, it is uncomfortable for the child and can lift the tapes due to secretions and saliva.
- Skin integrity should be documented clearly in the patient's medical notes and compromised skin integrity should be escalated **promptly**.

Skin Protectant used under the ETT tapes: Cavilon and Duoderm (in Crumlin)

Cavilon Application	Duoderm Application (Crumlin)	Example of ETT Taped Downwards
	 <p>Applied to both cheeks under the ET Tapes.</p>	

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### ORAL ENDOTRACHEAL TUBE TAPING

			
<p><b>Step 1</b> One practitioner holds the ETT securely. Clean the face, let dry it and apply skin protectant. Cavilon and Duoderm (if used) Assess the skin integrity of the cheeks and lips</p>	<p><b>Step 2</b> Place the first tape on the cheek the SAME side as the ET tube. Align the V in the tapes at the angle of the mouth</p>	<p><b>Step 3</b> The top leg is placed under the nose and on to the other cheek. Avoid contact with the lip.</p>	<p><b>Step 4</b> The lower leg goes around the ETT with 2-3 anchoring turns. Fold back a small piece of the tape so it will make it easier when removing the tapes.</p>
			
<p><b>Step 5</b> Place the second tape on the cheek opposite ETT. Align the V in the tapes at the angle of the mouth</p>	<p><b>Step 6</b> The lower trouser leg is placed under the lower lip.</p>	<p><b>Step 7</b> The top trouser leg goes over the upper lip and down around the ETT.</p>	<p><b>Step 8</b> Give 2 anchoring turns and leave a small fold in the tape.</p>

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### NASAL ENDOTRACHEAL TUBE TAPING

			
<p><b>Step 1</b> One practitioner holds the ETT securely. Clean the face, let dry it and apply skin protectant. Cavilon and Duoderm (if used) Assess the skin integrity on the nostril.</p>	<p><b>Step 2</b> Place the first tape on the cheek OPPOSITE side to the nostril with the ET tube. Align the V in the tapes at the angle of the nose</p>	<p><b>Step 3</b> The lower leg is placed under the nose and on to the other cheek. Avoid contact with the lip. <b>Opposite side over same side under!</b></p>	<p><b>Step 4</b> The top leg goes over the nose and then down to the ETT with 2-3 anchoring turns. Fold back a small piece of the tape so it will make it easier when removing the tapes.</p>
			
<p><b>Step 5</b> Place the second tape on the cheek from the SAME side as the ETT. Align the V in the tapes at the angle of the nose</p>	<p><b>Step 6</b> The upper trouser leg is applied over the nose and on to the tape on the opposite cheek. Align the V in the tapes at the angle of the nose.</p>	<p><b>Step 7</b> The inferior 'trouser leg' is applied up from under and around the ETT at least 2-3 times ensuring it is well secure. Leave small tab for removal. <b>Opposite side over same side under!</b></p>	<p><b>Step 8</b> Ensure that the nostril is visible and ETT is in a secure position. The ETT should be pointed downwards and away from the nasal rim to prevent pressure.</p>

**Commented [KM1]:** The new starters reviewed this and suggested to add in opposite over and same side under in red

**Commented [KM2]:** The new starters reviewed this and suggested to add in opposite over and same side under in red



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