

## LARYNGECTOMY ALGORITHM

The Trust has adopted this algorithm from the National Tracheostomy Safety Project

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Keywords:

**Comments**: Feedback & resources at <u>www.tracheostomy.org.uk/</u>

## **Emergency laryngectomy management**

## Call for airway expert help Look, listen & feel at the mouth and laryngectomy stoma A Mapleson C system (e.g. 'Waters circuit') may help assessment if available Use waveform capnography whenever available: exhaled carbon dioxide indicates a patent or partially patent airway No Is the patient breathing? Yes Apply high flow oxygen to laryngectomy stoma Call Resuscitation Team If any doubt whether patient has a CPR if no pulse / signs of life laryngectomy, apply oxygen to face also\* Assess laryngectomy stoma patency Most laryngectomy stomas will NOT have a tube in situ Remove **stoma cover** (if present) Remove inner tube (if present ) Some inner tubes need re-inserting to connect to breathing circuits Do not remove a tracheoesophageal puncture (TEP) prosthesis The laryngectomy stoma is patent Perform tracheal suction Yes Can you pass a suction catheter? Consider partial obstruction Ventilate via stoma if not breathing No Continue ABCDE assessment Deflate the **cuff** (if present) Look, listen & feel at the laryngectomy stoma or tube Use waveform capnography or Mapleson C if available Yes Continue ABCDE assessment Is the patient stable or improving? No. REMOVE THE TUBE FROM THE LARYNGECTOMY STOMA if present Look, listen & feel at the laryngectomy stoma. Ensure oxygen is re-applied to stoma Use waveform capnography or Mapleson C if available No Yes **Call Resuscitation Team** Continue ABCDE Is the patient breathing? CPR if no pulse / signs of life assessment Primary emergency oxygenation Secondary emergency oxygenation Attempt intubation of laryngectomy stoma Laryngectomy stoma ventilation via either Small tracheostomy tube / 6.0 cuffed ETT Paediatric face mask applied to stoma Consider Aintree catheter and fibreoptic LMA applied to stoma 'scope / Bougie / Airway exchange catheter

Laryngectomy patients have an end stoma and cannot be oxygenated via the mouth or nose

Applying oxygen to the face and stoma is the default emergency action for all patients with a tracheostomy

## Emergency tracheostomy management - Patent upper airway

