



Western Health
and Social Care Trust

Tracheostomy Policy

Policy Title	Tracheostomy Policy
Policy Reference Number	Acute20/001
Implementation Date	7 May 2020
Review Date	May 2023
Responsible Officer	Angela McKeever

1 INTRODUCTION

The aim of this policy is to ensure the safe management of adult patients with a tracheostomy insitu.

This policy outlines the standard of care that adult patients with a tracheostomy in the Western Trust within the acute hospital setting are expected to receive.

The policy has been supported by guidelines from:

National Tracheostomy Safety Project; <http://www.tracheostomy.org.uk/>

The Trust also endorses the Critical Care Network Northern Ireland (CCaNNI)

Guidelines on the management of patients with a Tracheostomy following discharge from Critical Care,

<http://.ccanni.org.uk/images/documents/trach13.pdf>

NCEPOD On the Right trach (2014)

2 PURPOSE

To provide clear guidance for Trust staff caring for patients with a tracheostomy to safely manage, to understand, prevent and manage complications and to reduce the risk of inappropriate airway management

3 SCOPE OF THE POLICY

This policy applies to **all** staff caring for adult patients with a Tracheostomy.

The policy includes:

- Management and care of surgical tracheostomy patients
- Specific guidance for Head and Neck Surgical tracheostomy's and management of these.

Patients with Laryngectomy are **NOT** included in this policy.

Paediatric Tracheostomies are **NOT** included in this guidance

4 ROLES AND RESPONSIBILITIES

All staff, clinicians and managers that are involved in the care of the patient with a Tracheostomy insitu will be responsible for implementing and adhering to the policy. This includes Outpatient settings, Accident and Emergency department and day care settings.

5 KEY POLICY PRINCIPLES

5.1 Location of Patients

- 5.2** The ward must consider placement of patient within open ward area to facilitate close observation. When this is not possible i.e. on a ward with only single rooms, staff must ensure that patients with tracheostomy in place are nursed close to the nursing station. A risk assessment must be completed by the ward manager (Appendix 12)
- 5.3** Placement of the patient in a side room is not necessary unless clinically indicated e.g. infection control risk. Following risk assessment, if the patient requires a side room and is at risk of dislodging or occlusion of the Tracheostomy, the patient should be cared for on a one to one basis by a member of staff with appropriate competence in Tracheostomy Care. Ideally this should be a member of the wards own staff complement i.e. the ward nurse must provide the 1:1 care. The ward manager assesses the delegation of this task to agency nursing staff or other.
- 5.4** Decision to allocate a special (1:1) to a tracheostomy patient should be based on patient need and risk assessment (Appendix 12). The level of 1:1 supervision (Registered nurse, or Health Care Assistant) is assessed by the ward manager.
- 5.5** Every tracheostomy patient to be risk assessed daily, or when changes in condition or environment
- 5.6** Outside of the Critical Care Unit, patients with a Tracheostomy **must** be cared for in designated areas where the staff have the necessary knowledge and skills to competently care for these patients (5.1.8)
- 5.7** Patients with a Tracheostomy should not be admitted to any other areas in the Western Trust. They should only be admitted to one of the designated Tracheostomy wards where specialised equipment will be readily available. Patients admitted under other specialities may be treated as outliers in one of the designated wards
- 5.8** Hospital Co-ordinators/Patient Flow Team/Site Managers who are responsible for patient placement/bed allocation are aware of and adhere to local policy in relation to co-horting tracheostomy patients
- 5.9** The wards currently designated for Tracheostomy patients in the Western Trust Altnagelvin site are as follows:

Altnagelvin Hospital

Critical Care Unit (HDU/ICU)

Ward 3 -Head and Neck

Ward 24 - General Medicine
Ward 26 -Respiratory Medicine
Ward 44/CCU- Cardiology
Ward 31- General Surgery

5.10 Ward Discharges from Critical care

- 5.10.1 Discharge of a patient with a Tracheostomy from the Critical Care Unit to another ward should be planned with the medical and nursing staff and the CCOS (Critical Care Outreach Service). Discharge should not occur after 5pm or at weekends.
- 5.10.2 Handover should occur between the Critical Care medical staff and the medical team receiving the patient in the ward.
- 5.10.3 There should be clear documentation and handover of all aspects relating to the Tracheostomy using the Nursing Handover Form for Tracheostomy Care (Appendix 1) including reason for the Tracheostomy, type of tube that is in place, nursing care, weaning status on discharge and when the Tracheostomy is due to be changed.
- 5.10.4 Prior to stepping down from a Critical Care setting, patients must have a Tracheostomy with a removable inner cannula in place. Where possible, this should be non-cuffed and fenestrated especially if a speaking valve is being used. Exceptions to this must be clearly documented in the patient's medical notes and a date for review determined. At least one spare inner cannula should be sent with the patient on discharge to the ward.
- 5.10.5 All patients will be discharged from Critical Care with a Tracheostomy Emergency Box specific to their needs. This should remain with the patient at their bedside and on transfer from one area to another. For patients who are admitted to the hospital with a Tracheostomy, boxes will be available from CCOS during 08:00 – 18:00. Outside these hours, boxes can be collected from the Critical Care Unit. Patients being transferred in from another hospital should have details of their Tracheostomy requirements prior to transfer to ensure

appropriate equipment is available in Tracheostomy Emergency Box.

5.10.6 The Patient will remain under the care of their Medical/Surgical Consultant and must have a regular review by the Medical/Surgical team responsible for the patient.

6 PATIENT MANAGEMENT

The admitting consultant retains responsibility for all aspects of the patient's care.

- Advice, support and education on Tracheostomy care is available from:
- The Critical Care Outreach Team / ENT ward / Clinical Nurse Specialists Head and Neck Cancer;
- ENT and Maxillo-Facial Consultants
- All Clinical Staff hold responsibility for escalating any patient safety concerns in order to minimise risk. An incident form must be completed for any identified issue arising from unsafe or sub-optimal Tracheostomy care or management in to order ensure patient safety.

7 STAFF TRAINING / COMPETENCIES

- All staff caring for patients with a Tracheostomy must complete the WHSCT Tracheostomy Course, which is provided by CEC. Training is mandatory and should be completed **every two years** to ensure up to date knowledge and skills are retained which reflect current best practise.
- Tracheostomy Simulation Sessions are also mandatory and must be completed **annually** for staff in the dedicated Tracheostomy wards.
- All staff caring for a patient with a tracheostomy must complete In-hospital resuscitation training as per clinical area
- Training of medical staff likely to be first responders in an emergency situation (anaesthetics, ENT, OMFS) will run on a cyclical basis and all relevant junior staff will be included upon rotating to the trust.
- Competencies must be completed and signed off by a competent tracheostomy practitioner as specified in the Competencies.

8 CLINICAL MANAGEMENT OF TRACHEOSTOMY

- If any additional training is necessary then please contact the Critical Care Outreach Team, Head & Neck Clinical Nurse Specialists or ENT nursing staff.
- Portable suction and a full cylinder of oxygen must be available to transport patients to other clinical areas
- A member of staff competent in Tracheostomy care must escort the patient, when they leave the ward environment to attend X-ray department or when transferring the patient to another area.
- All patients receiving oxygen must have it delivered via a humidified circuit and an appropriate Tracheostomy mask applied to neck stoma.
- Tracheostomy care must be completed at least 6 hourly and all care must be recorded in the Tracheostomy Care Bundle (Appendix 2)
- Suction must be carried out as required (Appendix 3) and recorded on the suction record chart (Appendix 4)
- IPCC guidelines must be followed in relation to AGPs (Aerosol Generating Procedures) when performing suction of the tracheostomy tube

9 EQUIPMENT

- The appropriate equipment must be available in all areas caring for tracheostomy patients (Appendix 5)
- Patients with a tracheostomy tube insitu must have the emergency Tracheostomy box at the bedside at all times and the standard emergency resuscitation equipment close by (Appendix 6)
- This equipment must be kept at the patient's bedside for 7 days post decannulation (removal of tracheostomy)
- Registered Nursing staff are responsible for the delivery of safe Tracheostomy Care. They are also responsible for ensuring that equipment checks are undertaken once per shift and accurate up to date documentation is completed as per WHSCT Tracheostomy Bundle.
- It is the responsibility of the nurse in charge of the patients care and the ward manager to ensure appropriate Tracheostomy Bed-head signs are complete and displayed above the patients bed alongside the Emergency algorithm (Appendix 7).

- Tracheostomy trolleys must be checked daily if in use, and weekly if not in use. Replacement stock must be ordered by the ward as required

10 TRACHEOSTOMY TUBE CHANGES

It is recommended that tubes are not left unchanged for any longer than 30 days (EEC, 1993). In practice the frequency with which the tube requires changing will be affected by the individual patient's condition and type of tube used.

Tube change should be avoided within the first 72 hours of the stoma being formed unless essential.

Responsibilities:

- It is the responsibility of the team who performed the Tracheostomy to make the first tube change, most likely that team will be either critical care, ENT and/or maxillo-facial surgeons
- It is recommended that someone that possesses advanced airway skills undertake the first change. This is a two-person procedure. At least one person must be experienced, confident and competent at changing tracheostomy tubes.
- Further tube changes must be carried out by staff with the necessary knowledge and skills i.e. Medical or Nursing staff with appropriate, advanced airway skills or an alternative competent skilled practitioner e.g. specialist nurse or specialist physiotherapist
- It is the responsibility of medical /surgical team to liaise with the appropriate team to arrange tracheostomy tube changes
- IPC guidelines must be followed in relation to AGPs when conducting a tracheostomy change.

There are two commonly used methods:

- Guided exchange using a tube exchange device -usually required for early changes and for patients with a high risk of airway loss
- Blind exchange using an obturator – for patients with formed stomas and a low risk of airway loss (Appendix 8)

11 HEAD AND NECK SURGICAL PATIENTS

- Patients, who have had major Head & Neck surgeries for cancer i.e. major oral resection with reconstruction, often have tracheostomy tubes in place. Special consideration regarding weaning and emergency care for these patients is required.
- See appendix 9 for specific guidance

12 WEANING

- **All** patients with a tracheostomy tube in place will undergo a weaning process prior to decannulation
- There are **TWO** weaning guides/pathways
- Appendix 10 is a standard weaning guide that can be utilised for short term and long-term tracheostomy tubes.
- Appendix 11 is a specific weaning pathway for Head and Neck Surgical Patients, prior to decannulation.
- The weaning process in WHSCT must be a multi-disciplinary approach
- Weaning and decannulation must be documented clearly in the patients clinical notes, and verbally relayed to staff looking after the patient

13 EMERGENCY

- In the event of an airway emergency fast, bleep the Anaesthetist **AND** ENT doctor on call on 6000 via switchboard.
- For out of hour emergencies, fast bleep anaesthetist as first responder AND contact the patients parent team
- The Trust endorses the National Tracheostomy Safety Project Algorithms for emergency care and these should be displayed alongside the Bed Head Sign at each Tracheostomy patient's bed space and follow the Tracheostomy Emergency Algorithm and for 7 days post decannulation (Appendix 7)
- There is a Bed Head sign for when the tracheostomy is in place.
- When the tracheostomy is removed, there is a Bed Head sign stating that the patient has had a tracheostomy in place – this needs to be displayed above the patient's bed for 7 days post decannulation

14 RESUSCITATION

- Bed head signs should be used in conjunction with the United Kingdom Resuscitation Guidelines: <http://www.tracheostomy.org.uk/>

15 SWALLOWING AND SPEECH/ALTERNATIVE FORMS OF COMMUNICATION

- Any patient covered by this policy, identified by medical or nursing staff as having a swallowing difficulty or at being at risk of aspiration should be referred to Speech and Language Therapy
- Patients with a tracheostomy who have difficulty communicating should be referred to Speech and Language Therapy

16 SPEAKING VALVES

- The patient must be assessed for suitability for speaking valve use by a practitioner who is competent in the use of speaking valves
- Speaking valves, if used, should only be used with an **uncuffed tube**, or a cuffed tube with the **cuff deflated**. If speaking valves are used on general wards, staff must be familiar with them, the risk of blockage, and know how to remove them.

17 EATING AND DRINKING

As per Trust guidelines all inpatients should be screened using MUST nutrition screening tool which can be found in the in the Nutrition & Hydration section of the nursing admission booklet. Patients should be referred to the Dietitian as per Department of Nutrition and Dietetics Referral Criteria.

Specifically in this patient group, the following patients should be referred to Dietetics:

- MUST >2
- Modified consistency diet recommended by Speech and Language Therapy
- If enteral feeding is required

18 HANDOVER

Nursing staff must identify patients with a tracheostomy at every handover/safety briefing. ITU medical staff should ensure all patients on the unit with tracheostomy, or within 48 hours of decannulation, remain on the handover even if technically discharged from care of critical care.

19 DISCHARGE

The WHSCT Tracheostomy Discharge Pack (Available on intranet) should be commenced at the beginning of post-operative phase. Patients must be provided with emergency contact numbers, and contact details of keyworkers involved in their pathway upon discharge (this is found in the Tracheostomy Discharge Pack)

- Cuffed tracheostomy's should be removed and a non-cuffed tube placed prior to discharge home.
- In some instances, cuffed tubes can be used in primary care settings where staff are appropriately trained in management of cuffs (e.g. Hospice)
- This must be assessed on an individual basis, and requires MDT input and risk assessment by the primary care provider.

MONITORING

Ward Sisters/Charge Nurse, Senior Medical staff and Critical Care Outreach staff should continually monitor practice and ensure adherence to the recommendations detailed in these guidelines.

CONSULTATION PROCESS

This policy was circulated for Trust wide consultation.

APPENDICIES

- Appendix 1 - Critical Care Nursing Handover Form
- Appendix 2 – Tracheostomy Care Bundle
- Appendix 3 – Suction Procedure
- Appendix 4 – Suction Record Chart
- Appendix 5 – Tracheostomy Equipment
- Appendix 6 – Tracheostomy Emergency Box
- Appendix 7 - NTSP Bed Head Sign and Algorithm
- Appendix 8 – Tracheostomy Tube Change Guideline
- Appendix 9 – Head and Neck Surgery Patients with Tracheostomy
- Appendix 10 – WHSCT Tracheostomy Weaning Guideline
- Appendix 11 –Head and Neck Tracheostomy Weaning Pathway
- Appendix 12 – General Risk Assessment

EQUALITY STATEMENT

In line with duties under the equality legislation (Section 75 of the Northern Ireland Act 1998), Targeting Social Need Initiative, Disability discrimination and the Human Rights Act 1998, an initial screening exercise to ascertain if this policy should be subject to a full impact assessment has been carried out. The outcome of the equality screening for this policy, procedure, guideline or protocol is:

Major impact

Minor impact

No impact

SIGNATORIES

Policies & Procedures should be signed off by the author/responsible officer of the policy/procedure and the identified responsible director. Guidelines and Protocols do not require to be signed.

In relation to policies negotiated and agreed with Trade Union Side a signature from the Chair of Trade Union Side may also be included. In some circumstances Trade Union Side may decide not to sign a policy. Where this occurs a note should be made at the signatories section to say that the policy has been negotiated and consulted with Trade Union Side, however, not agreed.

Responsible Officer

Director of Acute Services

Name: Geraldine McKay Date:

Appendix 1

TEST-FORE NAME-ABCDE PATI

20/02/2019 14:53

CCANNI Discharge Document

Hospital Length of Stay

Past Medical History

Past Medical History

Resuscitation Status

Daily Resus Status

Authorised by ICU Consultant

Alerts

Allergies

Tracheostomy Insitu?

Trache Care

Trache Type Un-Cuffed; Fenestrated; Double Lumen...

Trache Type Un-Cuffed; Fenestrated; Double Lumen

Type of Procedure Percutaneous Trache

Trache Model Name Traceo

Size 8.0 mm

Type of Inner Cannula Fenestrated

Insertion Date 20/02/2019

Duration 0 days

Trache Secure ✓

Cuff Deflated

Inner Cannula Checks checked & Ok

Daily Care/Checks Humdification; Tapes Renewed

Tubing checked for excess water ✓

Trache Site Intact

Dressing Changed Yes

Emergency Box Checked ✓

Spares tracheas with patient? Yes

Risks Agitated; Risk of Falls

Synopsis Of Critical Care Admission

Reason for Critical Care Admission

Critical Care Treatments

Diagnostic Procedures

Main Diagnosis or Problems

Ongoing Issues/Pending Results

Discharge Details

Critical care ward stay?

Trache Type	Un-Cuffed; Fenestrated; Double Lumen
Type of Procedure	Percutaneous Trache
Trache Model Name	Traceo
Size	8.0 mm
Type of Inner Cannula	Fenestrated
Insertion Date	20/02/2019
Duration	0 days
Trache Secure	✓
Cuff	Deflated
Inner Cannula Checks	checked & Ok
Daily Care/Checks	Humdification; Tapes Renewed
Tubing checked for excess water	✓
Trache Site	Intact
Dressing Changed	Yes
Emergency Box Checked	✓
Spares tracheas with patient?	Yes
Risks	Agitated; Risk of Falls

Appendix 3

Procedure for Tracheal Suctioning

Essential equipment

- *Suction* source (wall or portable), collection container and tubing, changed every 24 hours to prevent growth of bacteria ([Billau 2004](#))
- Disposable plastic apron
- Eye protection, for example goggles
- Bactericidal alcohol handrub
- Sterile *suction* catheters (assorted sizes **according to tube size**) selection of non-sterile gloves.
- Sterile bottled water (labelled '*suction*' with opening date), changed every 24 hours to prevent the growth of bacteria ([Billau 2004](#))

Action	Rational
1 If secretions are tenacious, consider using, as prescribed, 2 hourly or more frequently 0.9% sterile sodium chloride nebulizers or other mucolytic agents	<i>Suctioning</i> may not be as effective if the secretions become too tenacious or dry - frequent 0.9% sterile sodium chloride or acetylcysteine nebulizers may assist in loosening dry and thick secretions.
2 Explain procedure to patient and ensure upright position if possible.	To obtain the patient's co-operation and to help them relax. The procedure is unpleasant and can be frightening for the patient (Billau 2004, E). Reassurance is vital.
3 If a patient has a fenestrated outer tube, ensure that a non fenestrated inner tube is <i>in situ</i> , rather than a fenestrated inner tube (Russell 2005).	<i>Suction</i> via a fenestrated inner tube allows a catheter to pass through the fenestration and cause trauma to the tracheal wall (Billau 2004, E).
4 Wash hands- as per WHSCT guidelines	To minimise the risk of cross-infection. E Gloves minimize the risk of infection transfer to the catheter or from the sputum to the nurse's hands (Fraise and Bradley 2009, E). Some patients may accidentally cough directly ahead at the nurse; standing to one side with tissues at the patient's tracheostomy minimizes this risk.
5 If patient is oxygen dependent, hyperoxygenate for a period of 3 minutes.	To minimize the risk of acute hypoxia (Billau 2004).
6 Ensure that the <i>suction</i> pressure is set to the appropriate level.	Recommended <i>suction</i> pressure is $\leq 100-120$ mmHg (13–16 kPa) to minimize atelectasis (ICS 2008).
7 Select the correct size catheter. As a guide, the diameter of the <i>suction</i> catheter should not exceed one-half of the internal diameter of the tracheostomy tube (Griggs 1998, Hough 2001).	This ensures that hypoxia does not occur while <i>suctioning</i> : the larger the volume, the greater the bore of the tube. Incorrect choice of catheter size can cause mucosal damage. A tube with a too small diameter may not be able to remove thick secretions.

<p>8 Open the end of the <i>suction</i> catheter pack and use the pack to attach the catheter to the <i>suction</i> tubing. Keep the rest of the catheter in the sterile packet. Use an aseptic technique throughout.</p>	<p>To reduce the risk of transferring infection from hands to the catheter and to keep the catheter as clean as possible. E</p>
<p>9 An additional clean, disposable glove can be used on the dominant hand at this stage.</p>	<p>To facilitate easy disposal of the <i>suction</i> catheter after <i>suction</i>.</p>
<p>10 Remove the catheter from the sleeve and introduce the catheter to about one-third of its length or approximately 10–15 cm (ICS 2008) or until the patient coughs. If resistance is felt, withdraw catheter approximately 1 cm before applying <i>suction</i> by placing the thumb over the <i>suction</i> port control and slowly withdraw the remainder of the catheter (Dean 1997, Wood 1998).</p>	<p>Gentleness is essential; damage to the tracheal mucosa can lead to trauma and respiratory infection. E</p> <p>The catheter should go no further than the carina to prevent trauma. R</p> <p>The catheter is inserted with the <i>suction</i> off to reduce the risk of trauma (Clotworthy 2006c, C).</p>
<p>11 Do not <i>suction</i> the patient for more than 10 seconds (ICS 2008).</p>	<p>Prolonged <i>suctioning</i> may result in acute hypoxia, cardiac arrhythmias (Day <i>et al.</i> 2002, C), mucosal trauma, infection and the patient experiencing a feeling of choking.</p>
<p>12 Wrap catheter around dominant hand, then pull back glove over soiled catheter, thus containing catheter in glove, then discard.</p>	<p>Catheters are used only once to reduce the risk of introducing infection</p>
<p>13 If the patient is oxygen dependent, reapply oxygen immediately.</p>	<p>To prevent hypoxia.</p>
<p>14 Rinse the <i>suction</i> tubing by dipping its end into the sterile water bottle and applying <i>suction</i> until the solution has rinsed the tubing through.</p>	<p><i>suction</i> until the solution has rinsed the tubing through.</p>
<p>15 If the patient requires further <i>suction</i>, repeat the above actions using new gloves and a new catheter. Allow the patient sufficient time to recover between each <i>suction</i> (Billau 2004), particularly if oxygen saturation is low or if patient coughs several times during the procedure. The patient should be observed throughout the procedure.</p>	<p>To ensure general condition is stable.</p>
<p>16 Repeat the <i>suction</i> until the airway is clear. No more than three <i>suction</i> passes should be made during any one <i>suction</i> episode (Day 2000, Glass and Grap 1995) unless in emergency such as tube occlusion (Nelson 1999).</p>	<p>To minimize the risk of hypoxaemia (Day 2000, E).</p>
<p>Post-procedure</p>	
<p>17 Where appropriate, reconnect the patient to oxygen within 10 seconds post <i>suctioning</i>.</p>	<p>To minimize the risk of hypoxaemia (Day 2000, E).</p>
<p>18 Observe patient's respiratory rate and pattern, oxygen saturations, heart rate and work of breathing closely over the following 15 minutes. Observe for signs of bleeding.</p>	<p><i>Suctioning</i> can be complicated by hypoxaemia, bradycardia, tracheal mucosal damage and bleeding (ICS 2008, C).</p>

APPENDIX 5

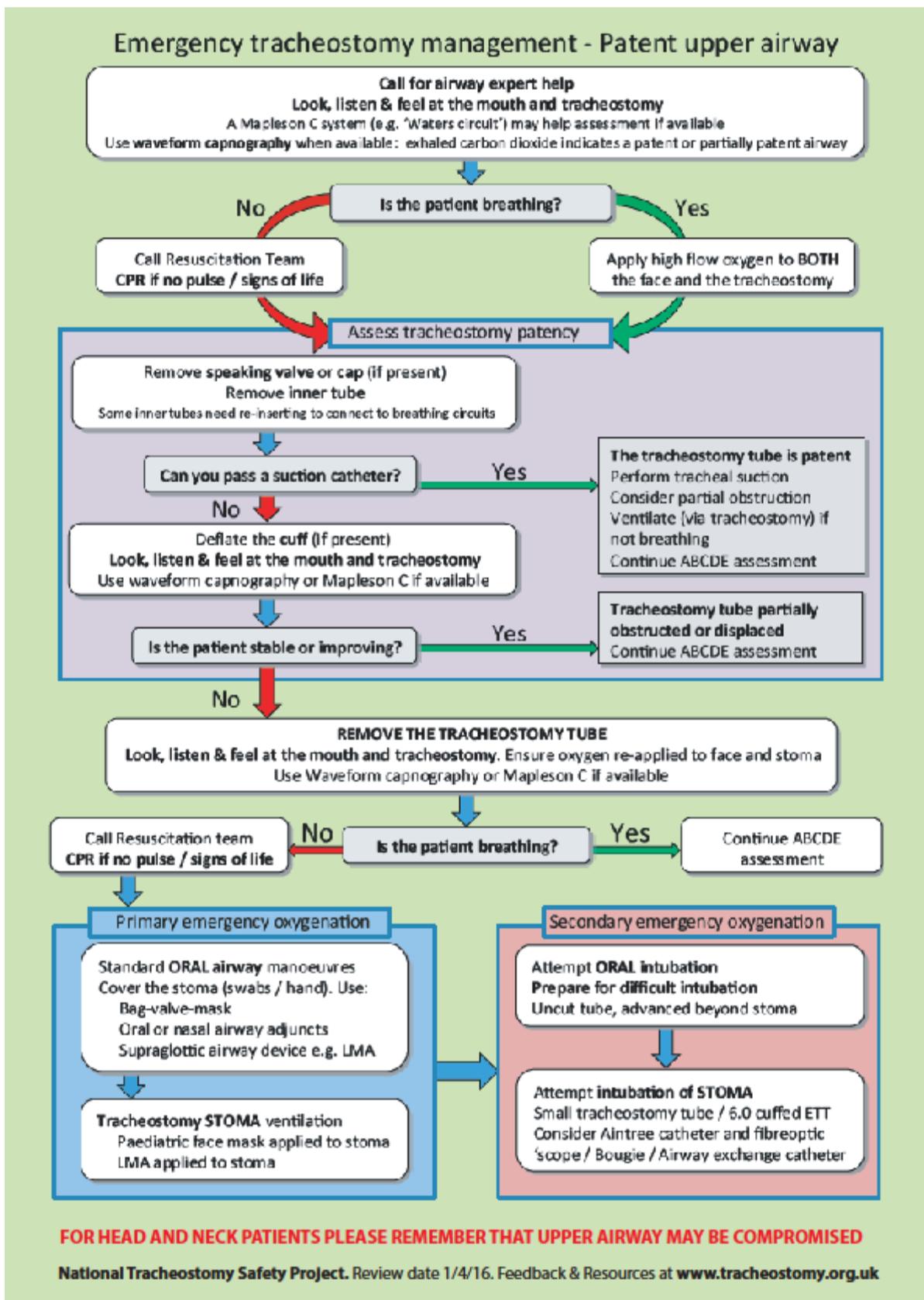
Essential bedside equipment

- Emergency Tracheostomy Box
- Nurse call bell
- Ambu-bag/paediatric mask/portable suction (Resus trolley)
- Oxygen port with double flow meter
- Non-Rebreathe Mask
- Humidified oxygen equipment
- Cuff pressure manometer
- Wall suction
- Yankauer suckers
- Soft suction catheters of appropriate size
- Spare inner cannula (Can use disposable inner cannulas for Shiley tubes)
- Clean pot for spare inner cannula
- Tracheostomy cleaning swab
- Sterile water for suction tubing
- Sterile dressing pack
- Tracheostomy dressing
- Tracheostomy Velcro holder
- PPE: Gloves, apron, Eye protection
- Communication aids
- Head of bed signs

APPENDIX 6

Emergency Tracheostomy Box containing:

- Replacement tracheostomy tubes- same size and type as patient currently has, one a size smaller the same type and one a size smaller than the patient has in situ cuffed for resuscitation purpose
- Tracheal dilators
- Catheter mount with suction port
- 20 ml syringe
- Lubricating gel x2 sachets
- Tracheostomy dressing
- Tracheostomy Velcro holder
- Sterile Scissors



This patient has a
TRACHEOSTOMY

Affix patient label

Surgical/Open/Percutaneous tracheostomy

DATE PERFORMED

TRACHEOSTOMY TUBE SIZE

DATE DECANNULATED

Notes:



Percutaneous



Slit type

Circle as appropriate

Emergency Call: 6000

Anaesthesia:

ENT:

MaxFax Consultant:

Adult Cardiac Arrest Team: 6666

This patient has had a
TRACHEOSTOMY TUBE REMOVED
(Display for 7 days following
decannulation)

Affix patient label

Date tracheostomy inserted

Date tube removed

H&C number

Insert number of DAYS that
Tracheostomy Tube has been
removed:

Notes:

Emergency Call 6000:

Anaesthesia:

ENT:

MaxFax Consultant:

Adult Cardiac Arrest Team: 6666

APPENDIX 8

Tracheostomy tube change

Equipment required:

- Dressing pack
- Suture cutter
- Appropriately sized tracheostomy tube and one a size smaller
- Tracheostomy tube Velcro tie
- 10ml syringe for cuffed tubes
- Water-soluble lubricant
- Sterile normal saline
- Tracheostomy dressing
- Gloves, apron and protective eye wear
- Tracheal dilators
- Functioning suction unit and appropriate sized suction catheters
- Stethoscope
- Airway exchange catheter
- Mapleson circuit for pre-oxygenation
- Resuscitation equipment

Blind exchange using an obturator

- Check emergency equipment
- Apply continuous pulse oximetry
- Explain procedure to patient and gain patient consent
- Position patient in semi-recumbent position
- Where required pre-oxygenate
- Ensure assistant is clear regarding what is expected of them
- Check and lubricate tube
- Insert obturator
- Ask assistant to suction if required, remove old dressing, inner cannula and tapes and support tube

- Deflate cuff if cuff inflated
- Remove tube on expiration
- If patient not oxygen dependent and stoma well formed, observe site, swab if site looks infected and clean stoma
- Insert tube on expiration, remove obturator (inflate cuff)
- Check for airflow through tube
- Ask assistant to support the new tube
- Dress and apply tracheostomy ties (Velcro)
- Replace inner cannula where used
- Check patient is stable
- Inflate cuff and check cuff pressure (if applicable)
- All tube changes must be documented in the patients notes along with details of the Tracheostomy tube inserted

Guided exchange using a bougie device

- Check emergency equipment
- Apply continuous pulse oximetry
- Explain procedure to patient and gain patient consent
- Position patient in semi-recumbent position
- Where required pre-oxygenate
- Ensure assistant is clear regarding what is expected of them
- Check and lubricate tube
- Ask assistant to suction if required, remove old dressing, inner cannula and tapes and support the tube
- Insert bougie to length of tube
- Ask assistant to deflate the cuff
- Remove old tube over bougie
- Insert new tube over bougie
- Check for airflow through tube.
- Inflate cuff and check cuff pressure (if applicable)

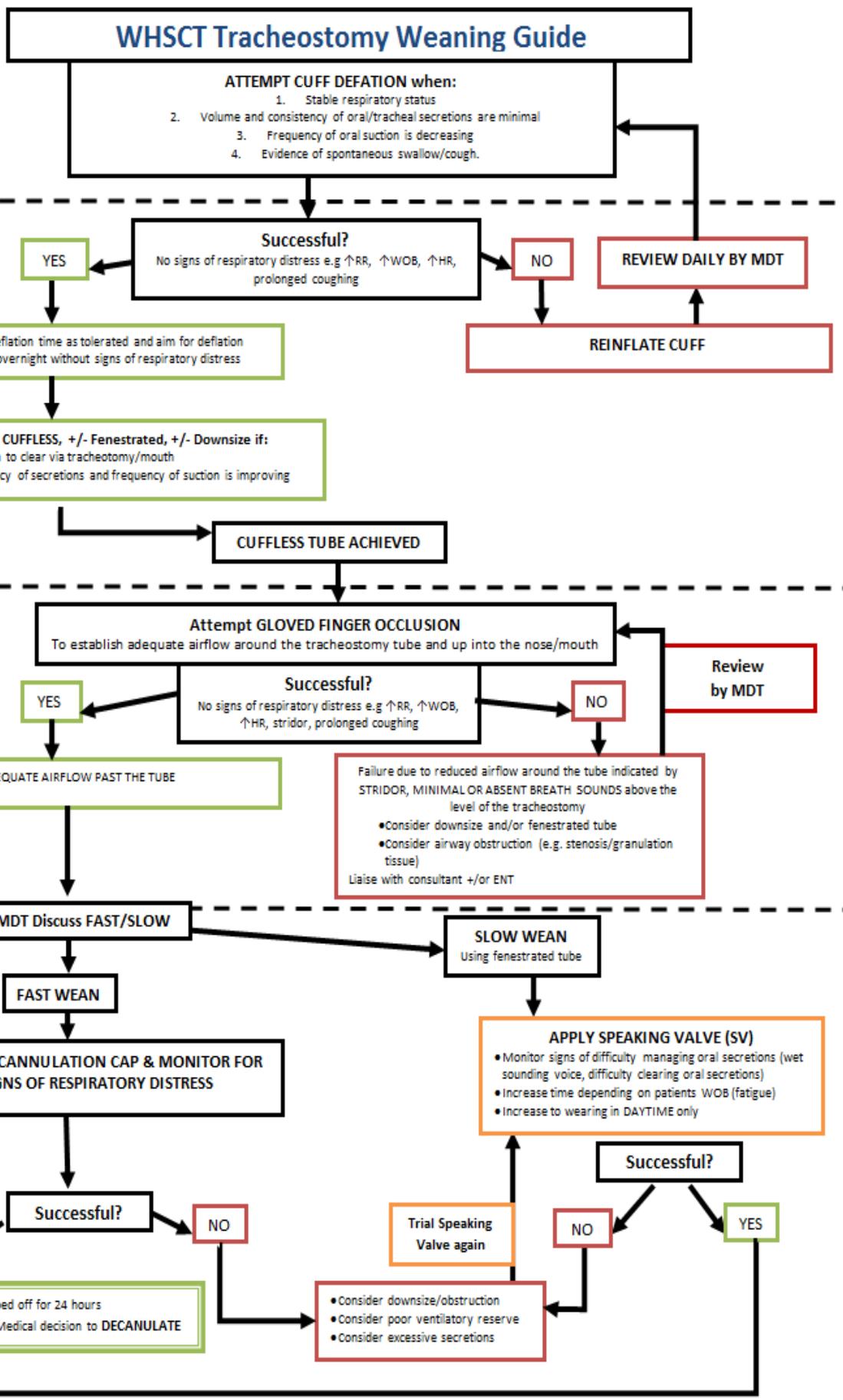
- Remove bougie
- Observe site, swab if required and clean while assistant support the tube
- Dress and apply tracheostomy Velcro tie
- Replace inner cannula
- Check patient is stable (and cuff pressure if applicable)
- All tube changes must be documented in the patients notes along with details of the Tracheostomy tube inserted

APPENDIX 9

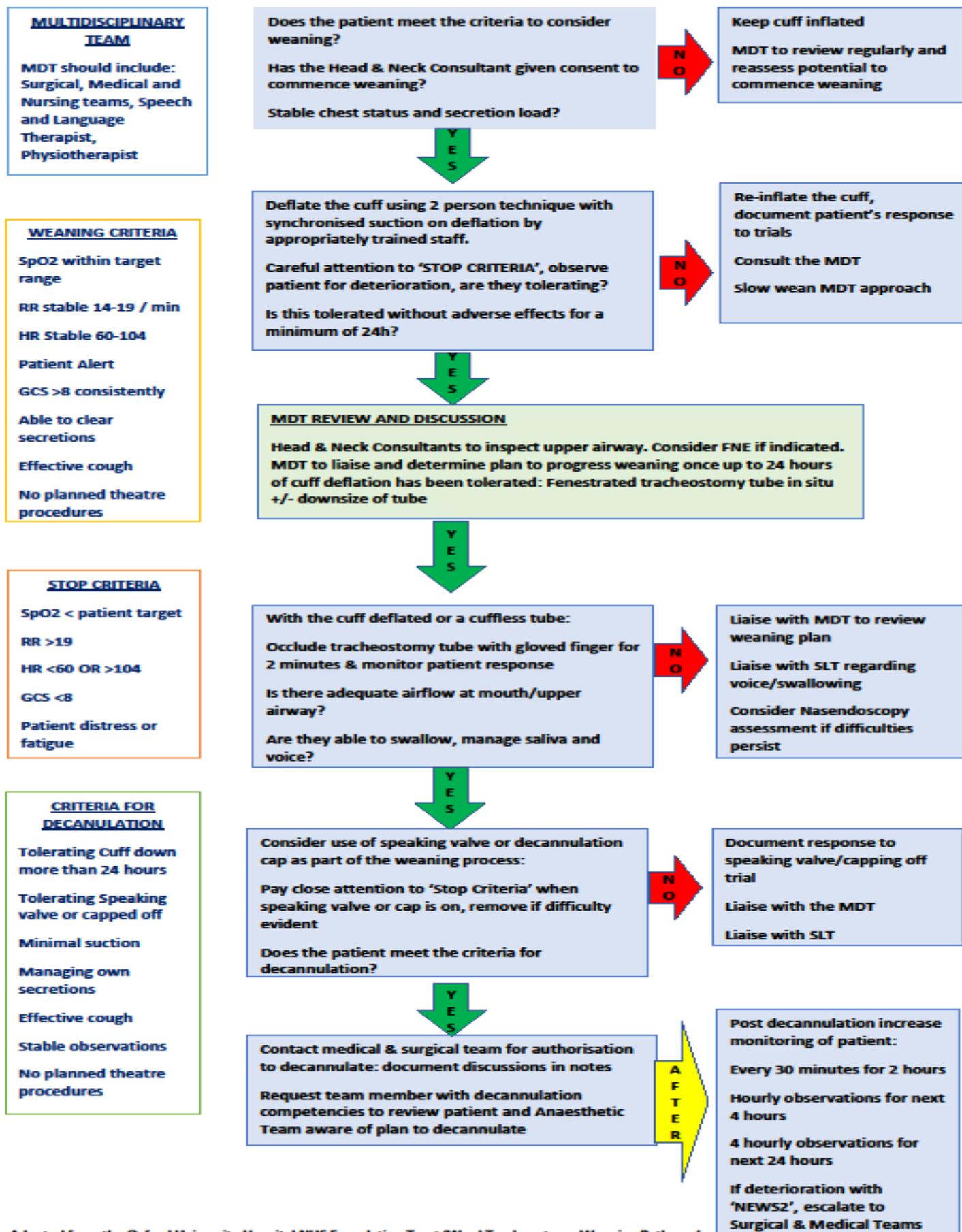
HEAD AND NECK CANCER SURGERY PATIENTS WITH TRACHEOSTOMY TUBES

- Patients undergoing complex Head and Neck surgery will often have a surgical tracheostomy placed for acute airway cover.
- These differ from the percutaneous tubes, as the tract for surgical tracheostomy can remain patent for up to 7 days after decannulation (removal).
- Tracheostomy tubes are sutured in place to avoid ties that can restrict free flap blood flow.
- These patients will undergo tracheostomy weaning as per the Western Trust 'WHSCT Head and Neck Tracheostomy Weaning Pathway'
- Decannulation should take place after evaluation of the upper airway and discussion with the MDT.
- In the case of emergency intubation being required, transoral intubation may be difficult.
- The National Tracheostomy Safety Project Algorithm should be utilised, but front of neck access should be considered as a primary source of intubation.
- In a recently decannulated tracheostomy, stoma site should be visualised early and intubation via tracheotomy site attempted.
- Bougie guide may create false passage if trachea is not visible.
- In Head and Neck surgical patients, there may be complex reconstructive surgical changes or tumour present making oral intubation more difficult.
- Intubation of the tracheotomy can be carried out with a cuffed tracheostomy or ET (Endotracheal Tube)

APPENDIX 10



HEAD AND NECK SURGICAL TRACHEOSTOMY WEANING PATHWAY



APPENDIX 12



General Risk Assessment Form

Area or Activity Being Risk Assessed:	Directorate:	Date of Assessment:
Facility:	Sub-Directorate:	Review Date:
Ward/Department:	Assessor(s):	Contact No/Ext.

Description of Hazard	Persons affected (e.g. Staff, clients, patients, contractors)	Existing Control Measures	Current Risk Rating (refer to Risk Rating Matrix) (please mark with an "X")				Further Action Required to Address Gaps in Controls	Person(s) Responsible	Date to be completed by?	Date Completed
			Low	Med	High	Ext				

Please note that if any of the above hazards cannot be adequately controlled at a local level, the Facility/Ward Manager should inform their line manager. The line manager will then consider including it on the appropriate Risk Register. Please refer to the Trust's Risk Management Strategy for further guidance on this process.

Signed by Risk Assessor(s) _____ Date: _____ 20 _____

Original Form to be retained at Ward/Facility and copy provided to line Manager. Risk Assessment must be reviewed at least yearly, or earlier if necessary (please refer to Risk Assessment Guidance document on circumstances which should prompt an earlier review).