

Supplementary File 2: Nurses' Confidence and Readiness in Tracheostomy Care and Emergencies: A Cross-Sectional Study

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Domain 1: Socio-Demographic and participant assessment	
Gender	☐ Male ☐ Female
Age in years	
Years in Practice	
Educational level	☐ Diploma ☐ Bachelor's degree ☐ Master's degree ☐ Doctorate degree
Profession	☐ Nurse ☐ Physician ☐ Respiratory therapist ☐ Speech therapist ☐ Occupational therapist ☐ Physio therapist ☐ Others, <i>please specify</i> ()
Area of work	☐ Critical care (☐ MICU, ☐ SICU, ☐ TICU, ☐ PICU, ☐ HDU) ☐ Non-critical (☐ Medical, ☐ Surgical, ☐ Long term, ☐ Acute unit, ☐ Trauma) ☐ Emergency Department ☐ Outpatient clinics ☐ Others, <i>please specify</i> ()
Patient group	☐ Pediatric ☐ Adult ☐ General (Pediatric and Adult)
1. How often you are caring of tracheostomy patients: ☐ Daily ☐ Weekly ☐ Monthly ☐ Yearly ☐ Never	
2. Do you have evidence of competence for caring of patient with tracheostomy tubes? ☐ Yes ☐ No	
3. Did you attend any training related to tracheostomy before including tracheostomy emergency management at HMC? ☐ Yes ☐ No	
4. Have you experienced patient with tracheostomy airway emergency? ☐ Yes ☐ No	

Domain 2: Confidence assessment						
On the scale below Please describe your confidence level dealing with the listed situations						
	Situation	Completely Not Confident	Not Confident	Not Sure	Confident	Completely Confident
1.	Dealing with a tracheostomy tube blockage					
2.	Dealing with a tracheostomy tube dislodgment					
3.	Dealing with a tracheostomy tube Accidental removal					
4.	Dealing with a tracheostomy active Bleeding					
5.	Overall confidence level caring of patient with life-threatening tracheostomy emergency					
6.	Overall confidence level caring of patient with tracheostomy tubes					

Domain 3: Perception and Readiness Assessment

#	Perception and Readiness Assessment
1.	Which of the following is an indication to perform a tracheostomy? (a) Airway obstruction (b) Prolonged mechanical ventilation (c) Inability to intubate (d) Neck / Facial trauma (e) Neuromuscular disease (f) Bilateral vocal cord paralysis (g) Infections (h) Congenital anomaly (i) Prophylaxis in some head and neck procedures
2.	How frequently should the inner cannula be checked and cleaned? (a) Once a day (b) Once per shift (c) Every 2 days (d) As needed only (e) I don't know
3.	The ideal tracheostomy tube cuff pressure is at a range of: (a) Around 28 cmH ₂ O (b) 25 – 28 cmH ₂ O (c) 20 – 25 cmH ₂ O (d) I don't know
4.	Tracheostomy tube cuff can be deflated (a) Cuff should always be inflated (b) When the patient is off MV (c) I don't know
5.	It's recommended that all patients with tracheostomy tubes need to receive humidified oxygen (a) Yes (b) No (c) I don't know
6.	How frequent should 'suctioning' be performed? (a) Only when indicated (b) Routinely every 2 h (c) Routinely every 4 h (d) Routinely on each shift (e) I do not know
7.	Recommended suction pressure for adult patients is: (a) 50 – 95 mmHg (b) 95 – 110 mmHg (c) 100 – 140 mmHg (d) 80 – 120 mmHg (e) I do not know

8.	Mandatory bedside tracheostomy equipment that should be maintained Constantly (a) Tracheal dilator (b) Spare tracheostomy tube of a larger size (c) Spare tracheostomy tube of the same size (d) Spare tracheostomy tube of a smaller size (e) Yankauer suction tip (f) Endotracheal tube (g) I do not know
9.	Your patient is on Swedish nose room air, The tracheostomy tube was accidentally removed, following patient assessment, and calling for help you need to: (a) Reinsert the tube (b) Immediately cover the stoma and perform oxygenated bag valve mask ventilation (c) Remove accessories and perform oral and tracheal suctioning (d) I don't know
10.	The first measure should be taken for confirmed tube blockage for a Patient with a single lumen tube: (a) Prepare for intubation (b) Give O2, Deflate cuff and suction (c) Remove tracheostomy tube (d) Perform oxygenated Bag valve mask ventilation.
11.	The first measure that should be taken for tracheostomy bleeding is: (a) Remove the tube (b) Start suctioning (c) Apply pressure dressing (d) Inflate the cuff (e) I do not know
12.	Tracheostomy tube cuff is used for: (Please select all that apply) (a) Seal off the airway and avoid leakage (b) Maintain tube in place and avoid dislodgment (c) Maintain correct tidal volume for MV patients (d) Reduce risk of aspiration (e) Reduce risk of Ventilator-Associated Event (VAE) (f) I don't know
13.	Subglottic evacuation port is used to: (a) Reduce risk of infection (b) Open the airway (c) Cuff deflation (d) Monitor cuff pressure (e) I don't know
14.	Following removal of the tracheostomy tube, the patient should be closely observed/ monitored for any signs of complications and deterioration for minimum of: (a) 4 – 6 hours (b) 8 – 12 hours (c) 24 – 48 hours (d) 3 – 5 Days (e) I don't know

15.	what do you think the following letters mentioned on the tube label/box stand for (abbreviation)? (a) ID: (b) OD: (c) TL: (d) Am not sure
16.	This tube is: (Select all that apply, and you can identify) (a) Cuffed (b) Uncuffed (c) Fenestrated (d) Non-fenestrated (e) Reinforced (f) Subglottic port (g) Double lumen (h) Single lumen (i) Adjustable length 
17.	Performing the subglottic port evacuation should be done every: (a) 2-4 hours (b) 8 hours (c) 24 hours (d) As needed only (e) I don't know
18.	A bedside warning sticker is required for a patient with cuff deflation (a) Yes (b) No (c) I don't know
19.	After removing the tracheostomy tube, the Emergency tracheostomy equipment need to be removed from bed side. (a) Yes (b) No (c) I don't know
20.	Which of the following can cause an accidental decannulation/dislodgment? (a) Loose tie (b) Cuff deflation (c) Cough (d) I don't know
21.	What do think is the most common complications for a newly inserted tracheostomy tube:
22.	What do think is the most common complications for a long-term tracheostomy tube:

	Correct Answer/ Answers
1	a, b, c, d, e, f, h, i
2	b
3	c
4	b
5	a
6	a
7	d
8	a, c, d
9	c
10	b
11	d
12	a, c, d, e
13	a
14	c
15	ID: Inner Diameter , OD: Outer Diameter , TL: Total Length
16	a, d, e, h, i
17	b
18	a
19	b
20	a
21	Free text
22	Free text