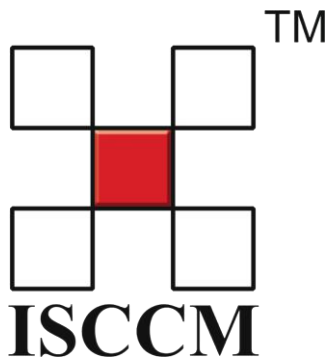


**Dilatational percutaneous vs Surgical
tracheoStomy in intEnsive Care uniT:
**A Practice Pattern Observational
Multicenter Study (DISSECT study)****

An ISCCM Research Project



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CASE RECORD FORM

I. PATIENT DEMOGRAPHIC DATA

1. Gender: Male Female

2. Age _____ Years

3. *Co-morbidities*

Hypertension Diabetes Mellitus Hypothyroidism

Hyperthyroidism Chronic kidney disease Coronary artery disease

Chronic Liver disease COPD Malignancy None

4. *Clinical parameters*

a. Glasgow Coma Scale

GCS \leq 8 GCS 9-12 GCS 13-15

b. Ventilatory parameters

Controlled ventilation mode with $FiO_2 < 0.40$

Controlled ventilation mode with $FiO_2 > 0.40$

Spontaneous mode with $FiO_2 < 0.40$

Spontaneous mode with $FiO_2 > 0.40$

On T-piece

Non intubated

c. Hemodynamic parameters

- Noradrenaline < 0.1 ug/kg/min
- Noradrenaline > 0.1 ug/kg/min
- Noradrenaline > 0.1 ug/kg/min + any other vasopressor
- No vasopressor

d. Coagulation parameters

- | | |
|--|---|
| <input type="radio"/> Platelet count > 100 x 10 ⁹ /L | Transfusion planned: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="radio"/> Platelet count 50-100 x 10 ⁹ /L | Transfusion planned: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="radio"/> Platelet count < 50 x 10 ⁹ /L | Transfusion planned: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="radio"/> INR < 1.5 | Transfusion planned: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="radio"/> INR > 1.5 | Transfusion planned: <input type="checkbox"/> Yes <input type="checkbox"/> No |

II. PROCEDURE RELATED DATA

A. PRE TRACHEOSTOMY

1. Date of Procedure _____

2. *Type of Tracheostomy decided*

- Surgical Percutaneous

3. *Indication for Tracheostomy*

- Neurological for long term airway protection
- As part of weaning process
- Emergency airway management
- Others, specify _____

4. *Timing of tracheostomy*

- Early (within 7 days of ventilator support)
- Late (after 7 days of ventilator support)

5. How many days on Ventilator / NIV / HFNC _____

6. Place of Procedure: ICU Operation Theatre

7. *If percutaneous tracheostomy, the technique used (if surgical, proceed to 8)*

- Single Dilator Multiple dilator Griggs forcep's

8. *If surgical, then reason*

- Adequate skill not present Admitting consultant opinion
- Platelet Count < 50,000 PDT kit not available
- INR > 1.5 Cost of PCT procedure is higher
- Short Neck Bronchoscopy or USG not available for PCT
- Others, specify _____

9. *Neck anatomy assessed by*

Ultrasound

Excellent

Good

Unsatisfactory

Neck circumference _____ cms

Cricosternal distance _____ cms

Clinical

B. DURING TRACHEOSTOMY

1. *Guidance used*

Ultrasound

Bronchoscopy

None

2. Number of attempts _____

3. *Sedation & Paralysis used*

Propofol / Thiopentone / Ketamine

Dose: _____

Dexmedetomidine

Dose: _____

Fentanyl / Morphine

Dose: _____

Midazolam

Dose: _____

Succinylcholine / Rocuronium

Dose: _____

Vecuronium / Atracurium / Cisatracurium

Dose: _____

None

III. OPERATOR RELATED DATA

1. *Procedure performed by:*

Intensivist Anaesthesiologist Pulmonologist ENT surgeon

Others, specify _____

2. How many tracheostomies have been approximately performed by the performer?

< 10

10-25

>25

IV. COMPLICATIONS RELATED DATA

1. *Minor Complications*

Estimated blood loss 10 - 15 ml

SpO₂ < 90% for < 5 minutes

Hypotension for < 5 minutes

Posterior wall puncture

Subcutaneous emphysema on CXR

None

2. *Major Complications*

Estimated blood loss > 15 ml

SpO₂ < 90% for more than 5 minutes

Hypotension for > 5 minutes

New requirement of ventilator support

New requirement of vasopressor therapy

False tract

Need to perform BAL post procedure

Pneumothorax

Abandoning the procedure

Death during procedure

None

V. OUTCOME RELATED DATA

1. Duration of procedure: _____ mins
2. Outcome of the procedure:
 PDT Successful ST Successful PDT converted to surgical
3. Time from decision of tracheostomy to actual procedure: _____hh: _____ mins
4. Ventilator duration post tracheostomy: _____hh: _____ mins
5. Total ventilator free duration in 7 days follow up: _____hh: _____mins
6. Cost of procedure:
 < 10000 Rs 10000 – 20000 Rs >20000 Rs