

TEAM

PATIENT

IV DRUGS MONITORS

EQUIPMENT

1. Notify senior ED doctor
2. Verbalise indication for intubation
3. Allocate roles
4. Confirm intubation plan*
 - A. Initial tracheal intubation attempts × 3
 - B. Final tracheal intubation attempt
 - C. Rescue plan to maintain oxygenation
 - D. Rescue plan for front of neck access
5. Assign lead for post-intubation debrief

1. Optimise haemodynamics,
consider:

- Fluid bolus
- Inotrope/vasopressor
- Bolus dose vasopressor drawn up

2. Optimise pre-oxygenation,
consider:

- 100% FiO₂
- PEEP via t-piece
- Apnoeic oxygenation (NP)
 - 2 L/kg/min (15L/min)
- Elevate head of bed

3. Optimise position, consider:

- <1 year: towel/trauma mat under shoulders
- >8 years: towel/pillow under head

If any difficulties anticipated
CALL FOR HELP

* see Emergency Intubation Algorithm

1. T-piece/face mask checked for leak
2. Suction functioning (yankauer and flexible)
3. Airway equipment template complete
4. Glidescope at bedside/turned on

1. IV access functioning
2. Intubation drugs/dose chosen and drawn up
3. Cardiac monitoring
4. BP (2 minute cycle)
5. SpO₂
6. EtCO₂

7. Post intubation sedation drawn up

Emergency pre-intubation checklist. Endorsed by the Paediatric Improvement Collaborative.

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https://www.rch.org.au/clinicalguide/guideline_index/Emergency_airway_management/

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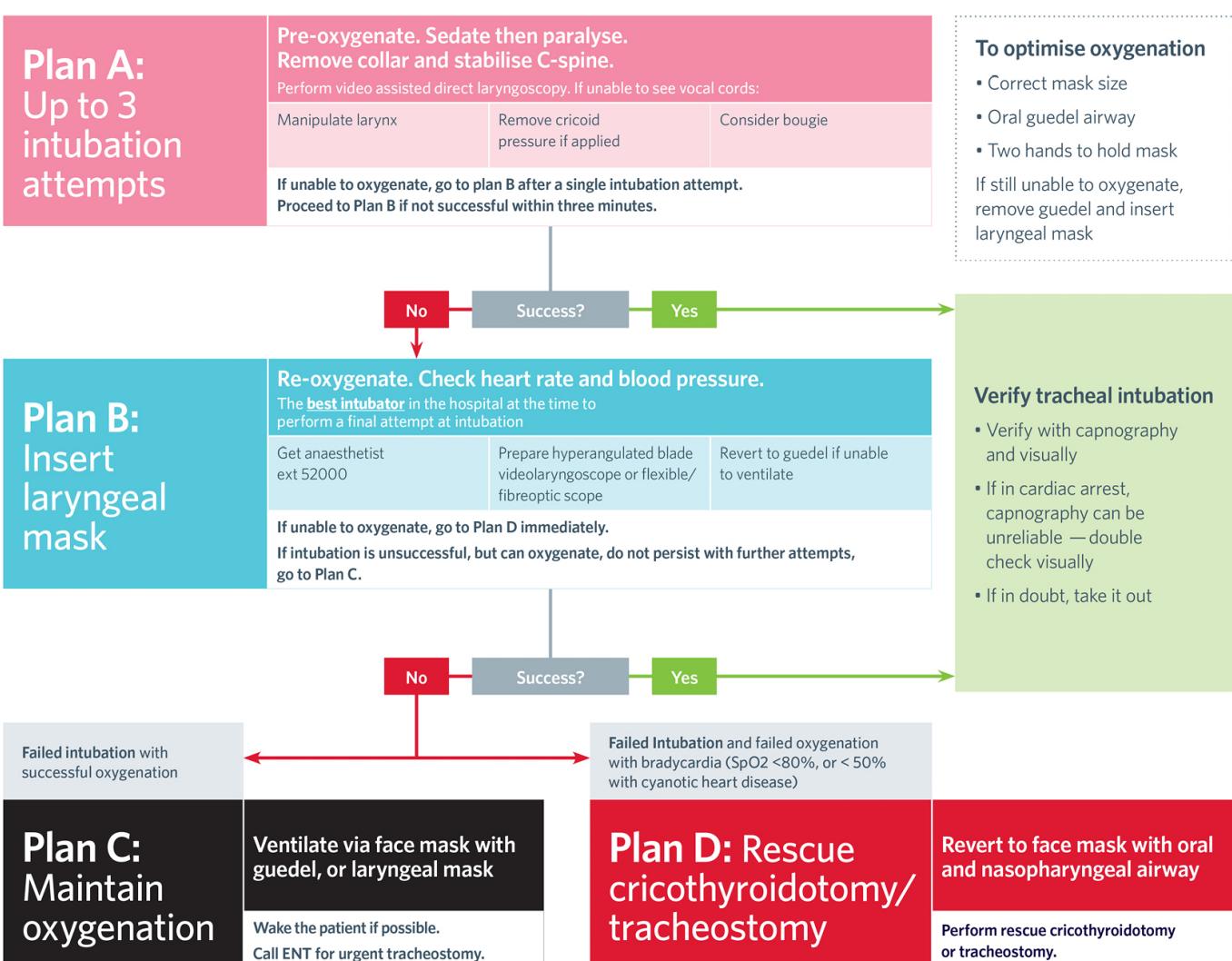
ANY PROBLEM AT ANY TIME

CALL FOR HELP

| Preparation | Assess | Check | Help | Plan | Optimise | Anaesthetist ext 52000 | Operating Theatre ext 52001 | PICU ext 52324 | NICU ext 52211 | ED ext 52169 | MET ext 2222 |
|-------------|---|--|--|--|---|------------------------|-----------------------------|----------------|----------------|--------------|--------------|
| | <ul style="list-style-type: none">AirwaySeverity of conditionYour skillsGet help if difficulty anticipated | <ul style="list-style-type: none">EquipmentMonitorsDrugs for anaesthesiaResuscitation | <ul style="list-style-type: none">Who?Availability?Inform consultant | <ul style="list-style-type: none">Discuss Plans (A, B, C and D) with your teamNominate a timekeeperCan this patient be woken up if intubation fails? | <ul style="list-style-type: none">Optimise position of the head and neckComplete checklist | | | | | | |

REMEMBER: successive attempts at intubation must have different personnel, position, or technique.

MAINTAIN: oxygenation, sedation and paralysis between each attempt.



Emergency airway plan. Endorsed by the Paediatric Improvement Collaborative.

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THE VORTEX

FOR EACH LIFELINE CONSIDER:



MANIPULATIONS:

- HEAD & NECK
- LARYNX
- DEVICE



ADJUNCTS



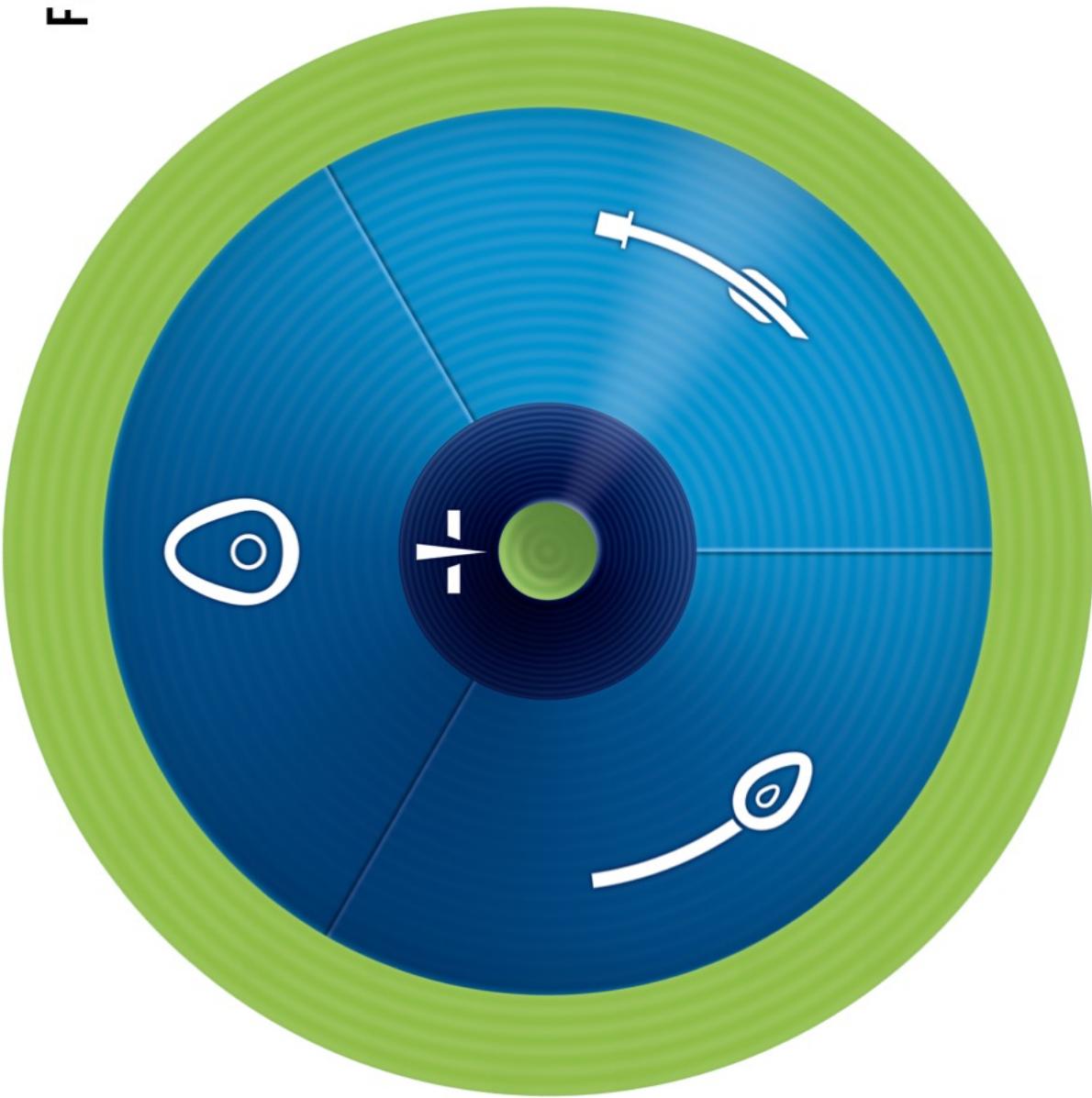
SIZE / TYPE



SUCTION / O₂ FLOW



MUSCLE TONE



MAXIMUM THREE ATTEMPTS AT EACH LIFELINE (UNLESS GAMECHANGER)
AT LEAST ONE ATTEMPT SHOULD BE BY MOST EXPERIENCED CLINICIAN
CICO STATUS ESCALATES WITH UNSUCCESSFUL BEST EFFORT AT ANY LIFELINE OR WITH UNSUCCESSFUL ATTEMPTS AT ANY TWO CONSECUTIVE LIFELINES



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Emergency Intubation

USE IN CONJUNCTION WITH BASIC LIFE SUPPORT GUIDELINES. SEE RCH AIRWAY MANAGEMENT CLINICAL PRACTICE GUIDELINES.



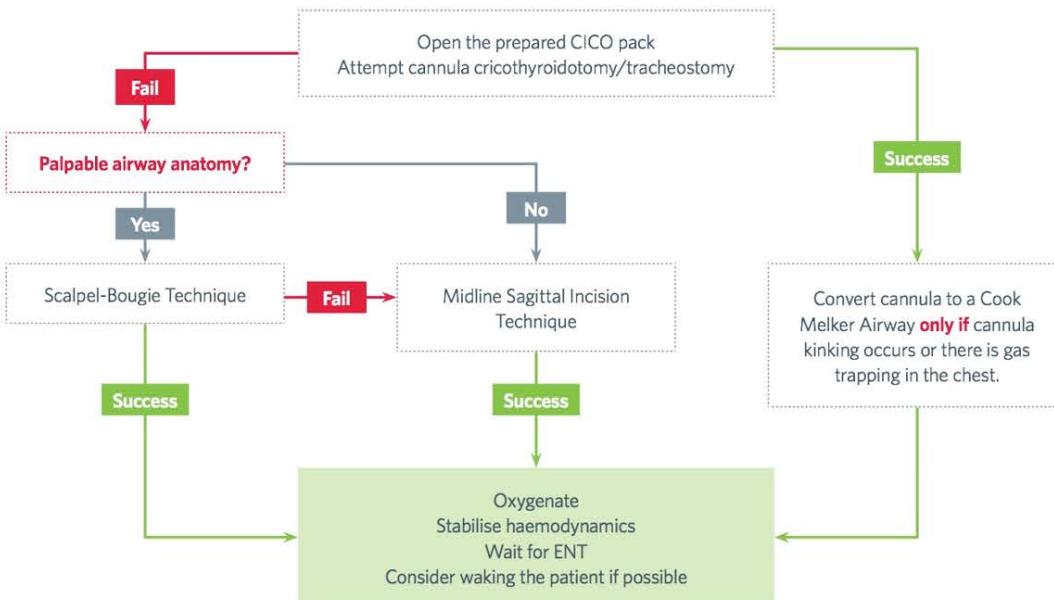
Anaesthesia, PICU, NICU, and Emergency

Plan D: RESCUE CRICOHYOIDOTOMY/TRACHEOSTOMY

CAN'T INTUBATE, CAN'T OXYGENATE

Perform IF:

1. Child anaesthetised/unconscious with GCS < 8
2. Unable to intubate patient
3. Unable to oxygenate/ventilate patient with either a guedel airway, a laryngeal mask airway, or a two person ventilation technique
4. Oxygen saturation is <80% (< 50% with cyanotic heart disease) with bradycardia
5. No reversible cause (e.g. laryngospasm) and cricoid pressure has been removed
6. Child cannot be woken up



Airway Group

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Grade 3 larynx, Epiglottis only



Grade 4 larynx, no structures visualized



Safe emergency airway management APLS



A



B