

Queensland Paediatric Emergency Care

Skill Sheets

Queensland Paediatric Airway Management Algorithm

Guides					
Age	Cuffed ETT Size	ETT Depth	LMA	Laryngoscope	NGT size
0	3 3.5	10 12		0	6-8
1			1	1	8
2	4	13			
3					
4	4.5	14			10
5			2	2	
6	5	15			10-12
7					
8	5.5	16			
9			3		12
10	6	18		3	
11					
12			4		
13	6.5	19		4	12-14
14	Adult Sizes				
15					
16					

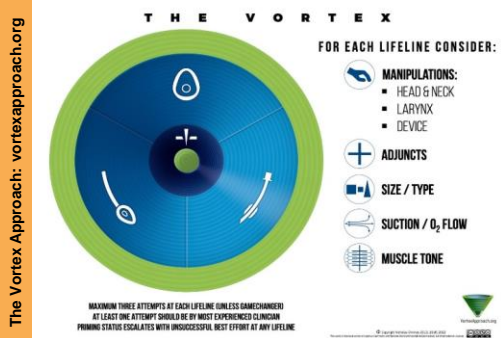
1 Optimise:

<ul style="list-style-type: none"> Patient Location 	<ul style="list-style-type: none"> - Resus, OT - Call for help - ED Consultant / anaesthetics / critical care
<ul style="list-style-type: none"> Respiratory function 	<ul style="list-style-type: none"> - Airway open, head up 20 degrees, consider NGT - High flow nasal cannulae
<ul style="list-style-type: none"> Patient position 	<ul style="list-style-type: none"> - Ear-sternal notch, face parallel to ceiling, midline, bed height
<ul style="list-style-type: none"> Pre-oxygenation 	<ul style="list-style-type: none"> - As appropriate: non-rebreather mask (NRBM) / high flow nasal therapy (HFNT) / Neopuff™ / non-invasive ventilation / bag valve mask (BVM) / T-piece
<ul style="list-style-type: none"> Haemodynamics 	<ul style="list-style-type: none"> - Beware hypotension, consider fluid / Adrenaline
<ul style="list-style-type: none"> Is difficult intubation expected? 	<ul style="list-style-type: none"> - Anatomy - Pathology (eg. burns, anaphylaxis, epiglottitis) - Physiology (eg. critical illness)

2 Designate and Identify:

PEOPLE	EQUIPMENT & MONITORING	DRUGS (DEFAULT)
<input type="checkbox"/> Intubator <input type="checkbox"/> Second Intubator <input type="checkbox"/> Airway Nurse <input type="checkbox"/> Drugs <input type="checkbox"/> Scribe <input type="checkbox"/> C-spine (PRN)	<input type="checkbox"/> Self inflating bag (BVM) <input type="checkbox"/> Suction <input type="checkbox"/> NPA/OPA <input type="checkbox"/> ETT & alternative sizes <input type="checkbox"/> Laryngoscope x 2 <input type="checkbox"/> Stylet and/or Bougie <input type="checkbox"/> LMA <input type="checkbox"/> Difficult Airway Kit	<input type="checkbox"/> Tapes or ties <input type="checkbox"/> Syringe <input type="checkbox"/> Magill's Forceps <input type="checkbox"/> Capnography (ETCO ₂) <input type="checkbox"/> SpO ₂ <input type="checkbox"/> ECG <input type="checkbox"/> BP <input type="checkbox"/> Induction - Ketamine <input type="checkbox"/> Paralysis - Rocuronium <input type="checkbox"/> Prepare: Fluid bolus , Adrenaline (resus dose & push dose pressor) Atropine Refer to CREDD for doses

3 Run resus brief and confirm plans:

	
<p>Give induction drug and continue nasal O₂ (2 L/kg/minute or 15 L/minute)</p> <p>↓</p> <p>Give paralytic agent</p> <p>↓</p> <p>Secure and confirm airway</p> <p>↓</p> <p>Post intubation cares</p>	<p>If unable to ventilate, progress to "Can't Ventilate, Can't Oxygenate" (CICO) processes.</p> <p>- Confirm ability to BVM prior to paralysis</p> <p>- Capnography, auscultate, fogging, chest movement</p> <p>- Sedation, check cuff, NGT, CXR, VBG, optimise haemodynamics and ventilation, documentation</p>

