

SORT: Paediatric Intubation Checklist

Preparation

Planning and Team

- Are SORT aware?
- Members of the team introduce themselves
- Indication for intubation?
- Are spinal precautions required?
- Any anticipated airway difficulty? If so is ENT presence needed? Use MAST guideline
- Is the patient haemodynamically optimised for intubation?

Patient and Monitoring

- IV access (ideally 2 working sites)
- 3-minute pre-oxygenation 100% O₂
- Insert NG tube & aspirate continuously when bag-mask ventilating (especially in neonates)
- ETCO₂ attached to the bagging circuit and working
- Optimise patient position (consider shoulder roll)
- SpO₂ "beeps" on
- BP on automatic 1-minute cycles

Equipment

- Correct size facemask and Ayres T-piece (<20 Kg) or waters circuit (>20kg)
- Guedel airway
- Yankauer suction and soft suction catheters (use twice the internal diameter of ETT for size)
- 1 Video laryngoscope (gold-standard) + 1 other (bulbs/battery checked) and 2x blade sizes
- Correct size Bougie and Stylet available (ETT loaded with stylet for neonates and infants)
- Correct sized ETT + one size up/down
- ETT cuff checked
- 2-5ml syringe for inflating cuff
- Magills
- Stethoscope
- ETT tape
- Ventilator ready with appropriate settings (*see initiation of ventilation guideline*)

Drugs (*see SORT drug calculator for doses*)

- Any allergies?
- Ketamine
 - Rocuronium
 - Diluted adrenaline
 - IV fluid bolus 5-20ml/kg Hartmann's or Plasmalyte
 - Morphine + Midazolam or Propofol infusions for ongoing sedation

Time out

- Assign roles: Team leader (overviews and treats physiology), Intubator, Airway Assistant, Drug-giver, Pulse-checker, C-spine immobilisation (if required)
- Any concerns about the procedure?
- Is senior/extra help needed?
- Anticipated difficult airway?
- Airway plan discussed?

Paediatric equipment size guide

Do NOT use APLS formula to size microcuff ETT.

Neonate <3kg	consider uncuffed
>3kg up to 8 months:	3.0mm* microcuff
8 months -2 years:	3.5mm microcuff
2-4 years:	4.0mm microcuff
4-6 years:	4.5mm microcuff
6-8 years:	5.0mm microcuff

*If microcuff unavailable use cuffed 3.0mm up to 1 year, and otherwise size as above

Length: Thick black depth mark at level of the vocal cords
ORAL = Age/2 + 12, NASAL = Age/2 + 15

Supraglottic Device (LMA or iGel):

Size 1	<5 kg
Size 1.5	5-10 kg
Size 2	10-20 kg
Size 2.5	20-30 kg
Size 3	30-60 kg

Stylet:

- 2.0 Fr Stylet ETT up to 5.0mm
- 4.0 Fr Stylet ETT >5.0mm

Bougie:

- Size 5 ETT sizes <3.5
- Size 10 ETT Sizes 4.0-5.5

Suction Catheter:

Twice internal diameter of ETT (e.g. 8Fr for a 4.0mm ETT)

Post-intubation checklist

- Sustained ETCO₂ capnography waveform x7
- Tube depth checked? (*bilateral air entry*)
- ETT taped and secured (*see guideline*)
- Appropriate ventilator settings (*see ventilation guideline*)
- Sedation started
- Wean FiO₂ to target appropriate SpO₂
 - >92% respiratory
 - 75-85% in cyanotic congenital heart disease
 - >94% neuroprotection
- CXR

Documentation

Procedure Date and time:

Name and Grade of:

- Intubator

- Assistant

No. of intubation attempts:

Grade of intubation:

Bougie/Stylet used? Y/N

ETT Size:

ETT initially secured at: cm

ETT adequate position on CXR? Y/N

ETT adjusted after CXR? Y/N

Final ETT depth cm

Patient Details/Sticker

Name:

DOB:

Hospital Number:

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