

Equipment for intubation of the newborn

Based on the recommendations of the ARC/NZRC: Neonatal Guideline 13.5 (2010)

Intubation equipment

- Laryngoscopes with straight blades:
 - o Size 0/ 00 (7.5 cm) for premature infants
 - o Size 1 (10 cm) for term infants
- Spare bulbs & batteries (unless using a fibre optic laryngoscope handle)
- Endotracheal tubes: Sizes 2.5, 3.0, 3.5, 4.0 mm internal diameter
- The endotracheal tubes should be:
 - o Uncuffed
 - o Uniform diameter
 - o Without a shoulder (i.e. do not use Coles tubes)
 - o With a standard curve
 - o Clear or translucent
 - o Radio-opaque
 - o With centimetre markings to indicated the depth of insertion
- Sterile endotracheal stylet or introducer (for oral intubation only)
- Magill's forceps: neonatal size (for nasal intubation only)
- End tidal CO₂ detector (Pedi- Cap™) or similar
- Sterile scissors

Suction equipment

- Suction catheters: Fg 6, Fg 8, Fg 10, Fg 12
- Suction tubing
- Access to a suction unit set at a negative pressure of 100 mmHg (133 cmH₂O, 13 kPa or 1.9 Psi)

Positive pressure ventilation equipment

- T-piece device (e.g. Neopuff™)
- Self inflating bag (e.g. Laerdal™) with a reservoir and a manometer (if available)
- Face masks: sizes 0, 1 & 2
- Laryngeal mask airway: size 0 (optional)

Equipment to secure the endotracheal tube

- Non- latex adhesive tape (Leukoplast™ & Elastoplast™)
- Cotton or silk ties
- Thin DuoDerm™ or Coloplast™ to protect the skin on the face
- Scissors

Equipment for gastric decompression

- Feeding tubes: sizes Fg 8 and/or Fg 10
- 10 mL syringe for aspirating the gastric contents

Monitoring equipment

- Stethoscope (neonatal size)
- Pulse oximeter with a neonatal cable
- A posy to secure the oximeter sensor