

Airway Equipment and Initial Respiratory Support Settings



Individual babies vary and clinical assessment and further tests should be used to confirm suitability.

	Gestation (wks)	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41+
		Face Mask Size (mm)	35mm					35mm/42mm			42mm			42/50mm		50mm					
Laryngeal mask size	Not recommended			Consider in extremis		Consider Size 1 igel or size 0.5/00 LMA						Size 1 Laryngeal mask (igel or LMA)									
Laryngoscope Blade (Miller straight)	size 00						size 0						size 1								
ET Tube size (mm)	2.0-2.5		2.5				3						3.5								
Oral ET depth of insertion at lips (cm)	5	5.5		6		6.5			7		7.5		8		8.5		9				
Initial Respiratory support & Ventilation settings at Delivery	CPAP/HFT	CPAP 6-8 cm H ₂ O OR 6-8L/min nHFT																			
	PIP	20-25cm H ₂ O										30cm H ₂ O									
	PEEP	5-6 cm H ₂ O																			
	FiO ₂	0.3					0.21-0.30					0.21									
	Weight (kg)	0.5	0.6	0.7	0.8	0.9	1	1.1	1.25	1.4	1.55	1.75	1.95	2.15	2.45	2.65	2.9	3.1	3.3	3.5	3.6

Predictal SpO₂ Targets

- 2 mins 65%
- 5 mins 85%
- 10 mins 90%

Tube Placement Check

- ✓ Chest Rise
- ✓ Auscultation
- ✓ CO₂ Detection

Colorimetric ET CO₂ detectors
(Neo-StatCO₂ or Pedi-Cap)

GOLD IS GOOD

False -ve: low cardiac output

Capnography Traces

GOOD	BIG LEAK
OBSTRUCTION/ BRONCHOSPASM	OESOPHAGEAL INTUBATION

Surfactant

Initial Dose 200mg/kg Curosurf®

ET surfactant: ensure insertion length of catheter is shorter than ET

Surfcath: ensure 0.5cm black tip is still visible above glottis for babies <27 weeks.