

Airway Equipment and Initial Respiratory Support Settings

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



British Association of
Perinatal Medicine

Airway Equipment Size	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 0.5/0 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/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																				
	FiO2	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

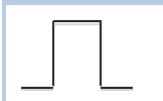
Colorimetric ET CO₂

detectors

(Neo-StatCO₂ or Pedi-Cap)
GOLD IS GOOD
False -ve: low cardiac output

Capnography Traces

GOOD



OBSTRUCTION/
BRONCHOSPASM



BIG LEAK



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.