

# Great Ormond Street Hospital Chart for Paediatric Airways

		Preterm-1 month	1-6 months	6-18 months	18 mths - 3 yrs	3-6 years	6-9 years	9-12 years	12-14 years	
Trachea (Transverse Diameter mm)		5	5-6	6-7	7-8	8-9	9-10	10-13	13	
PLASTIC	Great Ormond Street	ID (mm)	3.0	3.5	4.0	4.5	5.0	5.5	6.0	7.0
		OD (mm)	4.5	5.0	6.0	6.7	7.5	8.0	8.7	10.7
	Shiley	Size	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5
		ID (mm)	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5
		OD (mm)	4.5	5.2	5.9	6.5	7.1	7.7	8.3	9.0
	*Cuffed Tube Available	Length (mm) Neonatal	30	32	34	36				
		Paediatric	39	40	41*	42*	44*	46*	54*	56*
		Long Paediatric					50*	52*		
	Portex (Blue Line)	ID (mm)	3.0	3.5	4.0	4.5	5.0	5.0	6.0	7.0
		OD (mm)	4.2	4.9	5.5	6.2	6.9	6.9	8.3	9.7
	Portex (555)	Size	2.5	3.0	3.5	4.0	4.5	5.0	5.5	
		ID (mm)	2.5	3.0	3.5	4.0	4.5	5.0	5.5	
		OD (mm)	4.5	5.2	5.8	6.5	7.1	7.7	8.3	
		Length Neonatal	30	32	34	36				
		Paediatric	30	36	40	44	48	50	52	
	Bivona	Size	2.5	3.0	3.5	4.0	4.5	5.0	5.5	
		ID (mm)	2.5	3.0	3.5	4.0	4.5	5.0	5.5	
		OD (mm)	4.0	4.7	5.3	6.0	6.7	7.3	8.0	
		Length Neonatal	30	32	34	36				
	All sizes available with Fome Cuff, Aire Cuff & TTS Cuff	Paediatric	38	39	40	41	42	44	46	
Usable Length (mm)		55	60	65	70	75	80	85		
Bivona Hyperflex	ID (mm)	2.5	3.0	3.5	4.0	4.5	5.0	5.5		
	Usable Length (mm)	55	60	65	70	75	80	85		
	Length Neonatal	30	32	34	36					
Bivona Flextend	ID (mm)	2.5	3.0	3.5	4.0	4.5	5.0	5.5		
	Shaft Length (mm)	38	39	40	41	42	44	46		
	Flextend Length (mm)	10	10	15	15	17.5	20	20		
TracoeMini	ID (mm)	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	
	OD (mm)	3.6	4.3	5.0	5.6	6.3	7.0	7.6	8.4	
	Length (mm) Neonatal (350)	30	32	34	36					
	Paediatric (355)	32	36	40	44	48	50	55	62	
SILVER	Alder Hey	FG	12-14	16	18	20	22	24		
	Negus	FG		16	18	20	22	24	26	28
	Chevalier Jackson	FG	14	16	18	20	22	24	26	28
	Sheffield	FG	12-14	16	18	20	22	24	26	
		ID (mm)	2.9-3.6	4.2	4.9	6.0	6.3	7.0	7.6	
	Cricoid (AP Diameter)	ID (mm)	3.6-4.8	4.8-5.8	5.8-6.5	6.5-7.4	7.4-8.2	8.2-9.0	9.0-10.7	10.7
	Bronchoscope (Storz)	Size	2.5	3.0	3.5	4.0	4.5	5.0	6.0	6.0
		ID (mm)	3.5	4.3	5.0	6.0	6.6	7.1	7.5	7.5
		OD (mm)	4.2	5.0	5.7	6.7	7.3	7.8	8.2	8.2
	Endotracheal Tube (Portex)	ID (mm)	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0
OD (mm)		3.4	4.2	4.8	5.4	6.2	6.8	8.2	9.6	10.8

Table reproduced from 'Choosing a paediatric tracheostomy: an update on current practice'  
DJ Tweedie, CJ Skilbeck, LA Cochrane, J Cooke, ME Wyatt The Journal of Laryngology & Otology, 2007