PAEDIATRIC AIRWAY EQUIPMENT AND MEDICATION CALCULATOR

Broselow Trolley	Drawer 2			Drawer 3	3 Drawer 4		Drawer 5	Drawer 6	Drawer 7			Drawer 8				
Age	o mo	3 mo	6 mo	1 yo	2 YO	зуо	4yo	5yo	6уо	790	8yo	9yo	1090	11y0	12y0	13yo
WT (Kg)	3.5	6	8	10	12	14	16	20	25	28	31	34	37	40	43	46
ETT size (ID)	3.0 (Uncuffed)	3.0 (Cuffed)	3.5 (Cuffed)	4.0 (Cuffed)	4.0 (Cuffed)	4.0 (Cuffed)	4-5 (Cuffed)	4-5 (Cuffed)	5.0 (Cuffed)	5.0 (Cuffed)	5.5 (Cuffed)	5.5 (Cuffed)	6.0 (Cuffed)	6.0 (Cuffed)	6.5 (Cuffed)	6.5 (Cuffed
ETT length (cm)	8.5	9	10	11	13	13.5	14	14.5	15	15.5	16	16.5	17	17.5	18	18.5
	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3
NGT/OGT/IDC (Fr)	6	6	8	8	8	В	10	10	10	10	12	12	12	12	14	14
ICC (Fr)	8	12	14	14	16	;6	18	18;	20	20	22	22	24	24	26	26
Tidal Volume (ml)	30	50	70	100	130	150	190	200	250	280	300	340	350	400	400	450
Respiratory Rate	30	25	25	25	25	:0	20	20	20	20	20	20	20	18	16	16
Blade	Miller Straight 1			Miller Straight 2 / Mac Cun				20	20 20 20			Mac Curved 2				Maca
BVM (ml)	and the second sec			Mile Straight 27 Mile			- 2				900					I WIGC -
Atropine	130										400					
2omcg/kg	o.5ml	o.6ml	o.8mi	ıml	1.2ml	1.4ml	1.6ml	2.oml	2.5ml	2.8ml	3.1ml	x	x	x	x	x
(200mcg/ml)	(100mcg)	(120mcg)	(16omcg)	(200mcg)	(240mcg)	(28omcg)	(320mcg)	400mcg	(500mcg)	(56omcg)	(6oomcg)	^	^	^	^	^
600mcg in 3ml SYR																
Fentanyl	o armi															
2mcg/kg (2omcg/ml)	o.35ml (7mcg)	X	X	x	Х	Х	х	х	х	х	X	х	Х	х	Х	X
100mcg in 5ml SYR	(/incg)					_										
Morphine	o.35ml									100					1.2	
0.1mg/kg (7mg/ml)	(0.35mg)	×	X	X	х	×	X	х	х	х	X	X	Х	×	х	x
10mg in 10ml SYR	1-55-57															
Ketamine											0.754					
2mg/kg (2omg/ml)	x	o.6ml	o.8ml	ıml	10.2ml	1.4ml	1.6ml	2.oml	2.5ml	2.8ml	3.1ml	3.4ml	3.7ml	4ml	4.3ml	4.6ml
200mg in 10ml SYR		(12mg)	(16mg)	(20mg)	(24mg)	(28mg)	(32mg)	(40mg)	(50mg)	(56mg)	(62mg)	(68mg)	(74mg)	(8omg)	(86mg)	(92mg)
The second s																
Suxamethonium				and a	-11/271		C - 1		and the second	. 0	0.001		and the			
2 mg/kg (10mg/ml)	0.35ml	o.6ml	0.8ml	1ml	1.2ml	1.4ml	1.6ml	2.oml	2.5ml	2.8ml	3.1ml	3.4ml	3.7ml	4ml	4.3ml	4.6ml
100mg in 10ml SYR	(⁊mg)	(6mg)	(16mg)	(10mg)	(12mg)	(14mg)	(16mg)	(20mg)	(25mg)	(28mg)	(31mg)	(34mg)	(37mg)	(40mg)	(43mg)	(46mg)
Rocuronium			-													
	o.35ml	o.6ml	0.8ml	ıml	1.2ml	1.4ml	1.6ml	2.oml	2.5ml	2.8ml	3.1ml	3.4ml	3.7ml	4ml	4.3ml	4.6ml
1.2mg/kg (1omg/ml) 50mg in 10ml SYR	(4.2mg)	(6mg)	(8mg)	(10mg)	(12mg)	(14mg)	(16mg)	(20mg)	(25mg)	(28mg)	(31mg)	(34mg)	(37mg)	(4omg)	(43mg)	(46mg)
Adrenaline bolus	1								1.000							
1mcg/kg (1omcg/ml)	o.35ml	o.6ml	o.8mi	ıml	1.2ml	1.4ml	1.6ml	2.oml	2.5ml	2.8ml	3.1ml	3.4ml	3.7ml	4ml	4.3ml	4.6ml
100mcg in 10ml SYR	(3.5mcg)	(6mcg)	(8mcg)	(10mcg)	(12mcg)	(14mcg)	(16mcg)	(20mcg)	(25mcg)	(28mg)	(31mcg)	(34mcg)	(37mcg)	(4omcg)	(43mcg)	(46mcg)
NS 0.9% Bolus		C I	0	1.1.1			- C - 21 - 1	and the second		0			and the second second	in the second se		C 1
10ml/64	۶۶ml	6oml	8oml	100ml	120ml	140ml	16oml	200ml	250ml	280ml	310ml	34oml	370ml	400ml	430ml	46oml
-																
100 Contractor 100																
Propofol	х	1.2ml	1.6ml	2ml	2.4ml	2.8ml	3.2ml	4ml	5ml	5.6ml	6.2ml	6.8ml	7.4ml	8ml	8.6ml	9.2ml
2mg/kg (10mg/ml)		(12mg)	(16mg)	(20mg)	(24mg)	(28mg)	(32mg)	(4omg)	(50mg)	(56mg)	(62mg)	(68mg)	(74mg)	(8omg)	(86mg)	(92mg)
	•							SIONS								
Morphine infusion					1mg/kg o	f Morphine i	n 50ml NS o.g	% at 10 – 40	mcg/kg/hr (2	omcg/kg/hr =	= 1ml/hr at o.g	5 – 2 ml/hr)				
Midazolam infusion							INS 0.9% at									
Adrenaline infusion	4			0.1	15mg/kg 1:100	00 (1mg/ml) i	n 50ml NS 0.0	% at 0.05 - 0	.5 mcg/kg/m	in (0.05 mcg.	/k/min = 1ml/	hr at 1 – 10 m	l/hr)			

*SYR: Syringe

DISCLAIMER: All doses based on APLS equations below. These are comparable with the NETs and SCH Emergency Paediatric Calculator doses, and equally valid.

Estimated weight <5yo = (Age x 2) + 8. Estimated weight >5yo = (Age in years x 3) + 7. Cuffed ETT ID (mm) = (Age in years / 4) + 3.5. ETT length at lip (cm) = (Age in years / 2) + 12. NGT = 2 x ETT. ICC = 4 x ETT.