



HANDTEVY™
Pediatric Emergency Standards

Pediatric Medication & Equipment Guide

PHI Air Medical



2 YEAR

EQUIPMENT

Bag Resuscitator with PEEP Valve	Child or Adult
Blade (Curved equivalent to McGrath Mac blade)	2 Straight
ETT Size (Have smaller and larger tubes ready for ETI)	4.0 - 4.5 Cuffed
Stylet	10 French
Suction Catheter	10 French
ETT @ Lip	12 - 13 cm
OPA (Teeth to Angle Jaw)	60 mm (Size 1)
NPA (Nostril to Earlobe)	20 French
King	2
LMA	2
iGel	2
NG Tube	10 French
Chest Tube	20 - 24 French

DRIPS (12 KG)

DRUG	CONCENTRATION	RATE	DOSE/KG
Amiodarone Vial 150 mg/3mL	2000 mcg/mL Amiodarone 200 mg + D5W 100 mL	1.8 mL/hr	5 mcg/kg/min 5 - 15 mcg/kg/min
DOBUTamine Vial 12.5 mg/mL	1000 mcg/mL DOBUTamine 250 mg + D5W 250 mL	3.6 mL/hr	5 mcg/kg/min 5- 20 mcg/kg/min
DOPamine Vial 400 mg/10mL	1600 mcg/mL DOPamine 400 mg + D5W 250 mL	2.3 mL/hr	5 mcg/kg/min 5 - 20 mcg/kg/min
EPINEPHrine Amp/Vial 1 mg/mL	10 mcg/mL EPINEPHrine 1 mg + NS 100 mL	7.2 mL/hr	0.1 mcg/kg/min 0.05 - 5 mcg/kg/min
FentaNYL Amp/Vial 50 mcg/mL	2.5 mcg/mL FentaNYL 250 mcg + NS 100 mL	4.8 mL/hr	1 mcg/kg/hr 1 - 2 mcg/kg/hr
Ketamine Vial 50 or 100 mg/mL	5 mg/mL Ketamine 500 mg + NS 100 mL	2.4 mL/hr	1 mg/kg/hr 1 - 4 mg/kg/hr
Norepinephrine Vial 4 mg/4 mL	16 mcg/mL Norepinephrine 4 mg + D5W 250 mL	4.5 mL/hr	0.1 mcg/kg/min 0.05 - 2 mcg/kg/min
Propofol Vial 10 mg/mL	10 mg/mL	0.9 mL/hr	20 mcg/kg/min 5 - 150 mcg/kg/min
Vasopressin Vial 20 unit/mL	0.4 unit/mL Vasopressin 40 units + NS 100 mL	7.2 mL/hr	0.004 unit/kg/min 0.003-0.005 units/kg/min

ZOLL		JOULES/KG	1ST	2ND	3RD	4TH	
Defibrillation		2 → 4 → 6 → 6	20	50	70	70	
Cardioversion		1 → 2 → 2 → 2	15	20	20	20	
VITALS		SBP	75 - 110	HR	85 - 140	RR	22 - 30

Option 1 -USE ACTUAL AGE (IF STANDARD SIZED CHILD)

Option 2 -ESTIMATE AGE USING HANDTEVY LENGTH
BASED TAPE (HEAD TO HEEL)

2YR

PHI Air Medical			12 KG IDEAL WEIGHT		
DRUG	CONC	VOL	RT	DOSE/KG	AMOUNT
Adenosine (1st dose)	3 mg/mL	0.4 mL	IV	0.1 mg/kg	1.2 mg
Adenosine (2nd dose)	3 mg/mL	0.8 mL	IV	0.2 mg/kg	2.4 mg
Albuterol	2.5 mg/3mL	3 mL	NEB	Dose =	2.5 mg
Amiodarone	50 mg/mL	1.2 mL	IV	5 mg/kg	60 mg
Atropine	0.1 mg/mL	2.4 mL	IV	0.02 mg/kg	0.24 mg
Bicarb 8.4%	1 mEq/mL	12 mL	IV	1 mEq/kg	12 mEq
Blood or Plasma	N/A	120 mL	IV	10 mL/kg	120 mL
Calcium Chloride	100 mg/mL	2.4 mL	IV	20 mg/kg	240 mg
Calcium Gluconate	100 mg/mL	7.2 mL	IV	60 mg/kg	720 mg
D10W (D50W - 40 mL) + 40 mL NS		60 mL	IV	0.5 g/kg	6 g
Diphenhydramine	50 mg/mL	0.24 mL	IV/IM	1 mg/kg	12 mg
EPINEPHrine IM	1 mg/mL	0.12 mL	IM/SQ	0.01 mg/kg	0.12 mg
EPINEPHrine IV	0.1 mg/mL	1.2 mL	IV	0.01 mg/kg	0.12 mg
Etomidate (Intubate)	2 mg/mL	1.8 mL	IV	0.3 mg/kg	3.6 mg
FentaNYL	50 mcg/mL	0.24 mL	IV/IN	1 mcg/kg	12 mcg
Ipratroprium	0.5 mg/2.5mL	2.5 mL	NEB	Dose =	0.5 mg
Ketamine (RSI/Sed)	100 mg/mL	0.24 mL	IV/IM	2 mg/kg	24 mg
Ketamine (Pain)	100 mg/mL	0.01 mL	IV/IM/IN	0.1 mg/kg	1.2 mg
Ketamine (RSI/Sed)	50 mg/mL	0.48 mL	IV	2 mg/kg	24 mg
Lidocaine	20 mg/mL	0.6 mL	IV	1 mg/kg	12 mg
LORazepam (Sedate)	2 mg/mL	0.3 mL	IV	0.05 mg/kg	0.6 mg
LORazepam (Sz)	2 mg/mL	0.6 mL	IV/IM	0.1 mg/kg	1.2 mg
Magnesium (Resp/Card)	500 mg/mL	0.72 mL	IV	30 mg/kg	360 mg
MethylPREDNISolone	125 mg/2mL	0.38 mL	IV	2 mg/kg	24 mg
Midazolam IV	1 mg/mL	1.2 mL	IV	0.1 mg/kg	1.2 mg
Midazolam IV (Sedate)	1 mg/mL	0.6 mL	IV	0.05 mg/kg	0.6 mg
Midazolam IM (Sz)	5 mg/mL	0.48 mL	IM	0.2 mg/kg	2.4 mg
Morphine	10 mg/mL	0.06 mL	IV/IM	0.05-0.2 mg/kg	0.6 mg
Naloxone	1 mg/mL	1.2 mL	IV/IN	0.1 mg/kg	1.2 mg
Normal Saline Bolus	0.9%	240 mL	IV	20 mL/kg	240 mL
Ondansetron	2 mg/mL	0.6 mL	IV/IM	0.1 mg/kg	1.2 mg
Phenytoin	50 mg/mL	3.6 mL	IV	15 mg/kg	180 mg
Racemic Epinephrine	2.25%	0.25 mL	NEB	0.25 mL in NS	3 mL
Rocuronium	10 mg/mL	1.2 mL	IV	1 mg/kg	12 mg
Terbutaline	1 mg/mL	0.12 mL	SQ	0.01 mg/kg	0.12 mg
Vecuronium	1 mg/mL	1.2 mL	IV	0.1 mg/kg	1.2 mg

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