

Pediatric Emergency Medications

Revised 3/09

Patient Name _____ Physician Signature _____
 Weight= 3.0 kg RN Signature _____

MEDICATION	STANDARD DOSE	PATIENT DOSE	VOLUME OF DOSE
Adenosine IV 3 mg/ml	0.1 mg/kg (Up to 6 mg) If no effect, increase to 0.2 mg/kg Maximum dose of 12 mg	Rapid IV push Flush with 5-10ml NS 0.3 mg	0.1 ml
Amiodarone IV 50 mg/ml	5 mg/kg/dose May repeat up to total dose of 15 mg/kg	Max: 300 mg/dose 15 mg	0.3 ml
Atropine IV, ET 0.1 mg/ml	0.02 mg/kg/dose Minimum dose 0.1 mg Maximum dose 0.5 mg	0.06 mg	0.6 ml min = 1.0 ml
Calcium Chloride IV 100 mg/ml (10%)	20 mg/kg/dose	60 mg	0.6 ml
Calcium Gluconate IV 100 mg/ml (10%)	100 mg/kg/dose Max infusion rate 100 mg/min	300 mg	3 ml
Dextrose IV	2 ml/kg/dose of D25 Dilute D50 vials 1:1 with sterile H2O		D 25 6 ml
Diazepam IV, ET 5 mg/ml	0.04 to 0.25 mg/kg/dose Max IV Push Rate: 1-2 mg/min	0.12 mg max = 10 mg	0.024 0.15 ml max = 2.0 ml
Epinephrine IV, ET	0.1 ml/kg of 1:10,000 May 10x dose: Use 0.1 ml/kg of 1:1000 (ET Doses) May 20x dose: Use 0.2 ml/kg of 1:1000		0.3 ml 0.3 ml 0.6 ml
Lidocaine IV, ET 20 mg/ml	Bolus 1 mg/kg/dose Drip see below	Max = 100 mg/dose 3 mg	0.15 ml
Lorazepam IV, ET 2 mg/ml	Neonate 0.05 mg/kg/dose Children 0.1 mg/kg/dose	0.15 mg 0.3 mg max = 4 mg/dose	0.075 ml 0.15 ml max = 2.0 ml
Magnesium sulfate IV 500 mg/ml (50%)	25 to 50 mg/kg/dose	Max = 2 grams/dose (For Torsades) 75 mg	0.15 ml
Naloxone IV, IM 1 mg/ml	0.1 mg/kg/dose	0.3 mg	0.3 ml
Pancuronium IV 1 mg/ml	Neonate/Infant: 0.1 mg/kg/dose Children: 0.15 mg/kg/dose	0.3 mg 0.45 mg	0.3 ml 0.45 ml
Sodium Bicarbonate IV 1 mEq/ml (8.4%)	1 mEq/kg/dose or base deficit x kg x 0.3 1/2 strength under 1 yr old (4.2%)	3 mEq	3 ml
Succinyl Choline IV 20 mg/ml	Load 1 to 2 mg/kg/dose Max = 150 mg/dose	3 mg 6 mg	0.15 0.3 ml
Cardioversion	0.5 to 1 Joules/kg	1.5 J to	3 Joules
Defibrillation	2 Joules/kg		6 Joules May double for next dose

Suggested Initial Dosages:

Epinephrine- 0.1 mcg/kg/min **INFUSION RATE (ml/hour)** $\frac{\text{Weight (kg)} \times \text{Dose (mcg/kg/min)} \times 60 \text{ min/hour}}{\text{Concentration (mcg/ml)}}$
 Dopamine- 5 mcg/kg/min
 Dobutamine- 5 mcg/kg/min
 Lidocaine- 20 mcg/kg/min
 Isoproterenol- 0.1 mg/kg/min

Ett size	Newborn 3.0 - 3.5 mm	Above 2 years:	$\frac{\text{Age(in years)}}{4} + 4 =$ <u> </u> mm
	1 to 2 yr 4.0 to 4.5 mm		4

3/09 LC/JO

Source: Thomas Jefferson University Hospital, Philadelphia.