

4.5 kg 3 Months

Emergency Drug Dosing

Emergency Drug	Dose in mL	Dose	Dose Range (in mg/grams per kg)	Notes
adenosine 3 mg/mL	0.15 mL	0.5 mg	0.1 mg/kg IVP (Max 6 mg for 1st dose)	Second dose is double the first (max 12 mg)
albuterol 2.5 mg in 3 mL	3 mL	2.5 mg	<30kg: 2.5 mg; >30 kg: 5 mg	Repeat every 20 minutes X3. Then, call physician.
amiodarone 50 mg/mL ampules*	15 mL	22.5 mg	3.33 mL/kg of the 1.5 mg/mL dilution*	5 mg/kg IVP. Maximum: 300 mg /dose
*dilute amiodarone 150 mg (3 mL of 50 mg/mL) in 100 mL normal saline for 100 mL of a 1.5 mg/mL dilution for infusion				
atropine 0.1 mg/mL	1 mL	0.1 mg	0.02 mg/kg/dose IV	Min: 0.1 mg/dose; Max: 1 mg/dose = 10 mL
dextrose (D10W) 100 mg/mL	23 mL	2.25 g	0.5 grams/kg	D10W = 1 Part D50W : 4 Parts Sterile Water
diphenhydramine 50 mg/mL	0.09 mL	5 mg	1 mg/kg IV	Max: 50 mg/dose
diazepam 5 mg/mL	0.09 mL	0.45 mg	0.1 mg/kg/dose IV. Max: 10 mg/dose	CALL PHYSICIAN BEFORE GIVING
diazepam rectal gel 5 mg/mL	0 mL	0 mg	Max: 20 mg/dose	CALL PHYSICIAN BEFORE GIVING
epinephrine 1:10,000	0.45 mL	0.05 mg	0.01 mg/kg IV/IO every 3 - 5 minutes	Maximum: 1 mg/dose = 10 mL
epinephrine 1:1,000 (ETT / HIGH DOSE)	0.45 mL	0.45 mg	0.1 mg/kg ETT. (Max 10 mg) 0.1 mg/kg IV may be considered if standard doses ineffective	
epinephrine 1:1,000 (SUBCUTANEOUS)	0.05 mL	0.05 mg	0.01 mg/kg/dose SC	for anaphylaxis (max 0.5 mg = 0.5 mL)
lidocaine 1% 10 mg/mL	0.45 mL	4.5 mg	1 mg/kg IV/ET	
morphine 10 mg/mL	0.05 mL	0.45 mg	0.1 mg/kg/dose IV. Max: 5 mg/dose	CALL PHYSICIAN BEFORE GIVING
naloxone 1 mg/mL	0.45 mL	0.45 mg	0.1 mg/kg IV/ET	Maximum 2 mg/dose = 2 mL
sodium bicarbonate 4.2% (0.5 mEq/mL)	9 - 18 mL	4.5 - 9 mEq	1 - 2 mEq/kg IV	
Sodium Chloride (0.9% NaCl)	45 mL		10 mL/kg	

Intubation Equipment	Size
Laryngoscope Blade Size (Miller)	1
Endotracheal Tube Size	3.0 UC

Defibrillation	Joules
First attempt (2 joules/kg)	9
Second attempt (3 joules/kg)	14
Subsequent attempts (4 joules/kg)	18

Synchronized Cardioversion	Joules
First attempt (0.5 joules/kg)	2
Subsequent attempts (1 joule/kg)	5



Dopamine Infusion	Dopamine 120 mg in 100 mL
concentration in mg/mL = 1.2	
Dose	Infusion Rate (mL/hr)
5 mcg/kg/min	1.1
10 mcg/kg/min	2.3
15 mcg/kg/min	3.4
20 mcg/kg/min	4.5

Lidocaine Infusion	Lidocaine 800 mg in 100 mL
concentration in mg/mL = 8	
Dose	Infusion Rate (mL/hr)
10 mcg/kg/min	0.3
20 mcg/kg/min	0.7
30 mcg/kg/min	1.0
40 mcg/kg/min	1.4
50 mcg/kg/min	1.7

CCHMC StatLine: (513) 636-8008

EMSC Education: (513) 636-6992

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