

50 kg Adolescent

Emergency Drug Dosing

Emergency Drug	Dose in mL	Dose	Dose Range (in mg/grams per kg)	Notes
adenosine 3 mg/mL	1.67 mL	5.0 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	6 mL	5.0 mg	<30kg: 2.5 mg; >30 kg: 5 mg	Repeat every 20 minutes X3. Then, call physician.
amiodarone 50 mg/mL ampules*	166.65 mL	250 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	10 mL	1 mg	0.02 mg/kg/dose IV	Min: 0.1 mg/dose; Max: 1 mg/dose = 10 mL
dextrose (D25W) 250 mg/mL	100 mL	25 g	0.5 grams/kg	D25%W = D50%W : Sterile Water 1:1
diphenhydramine 50 mg/mL	1 mL	50 mg	1 mg/kg IV	Max: 50 mg/dose
diazepam 5 mg/mL	1 mL	5 mg	0.1 mg/kg/dose IV. Max: 10 mg/dose	CALL PHYSICIAN BEFORE GIVING
diazepam rectal gel 5 mg/mL	4 mL	20 mg	Max: 20 mg/dose	CALL PHYSICIAN BEFORE GIVING
epinephrine 1:10,000	5 mL	0.50 mg	0.01 mg/kg IV/IO every 3 - 5 minutes	Maximum: 1 mg/dose = 10 mL
epinephrine 1:1,000 (ETT / HIGH DOSE)	5 mL	5.00 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)	0.50 mL	0.50 mg	0.01 mg/kg/dose SC	for anaphylaxis (max 0.5 mg = 0.5 mL)
lidocaine 1% 10 mg/mL	5 mL	50.0 mg	1 mg/kg IV/ET	
morphine 10 mg/mL	0.50 mL	5.00 mg	0.1 mg/kg/dose IV. Max: 5 mg/dose	CALL PHYSICIAN BEFORE GIVING
naloxone 1 mg/mL	2 mL	2.00 mg	0.1 mg/kg IV/ET	Maximum 2 mg/dose = 2 mL
sodium bicarbonate 8.4% (1 mEq/mL)	50 - 100 mL	50.0 - 100 mEq	1 - 2 mEq/kg IV	Maximum: 100 mEq/dose = 100 mL
Sodium Chloride (0.9% NaCl)	1000 mL		20 mL/kg	

Intubation Equipment	Size
Laryngoscope Blade Size (Miller)	3
Endotracheal Tube Size	7.0 C

Defibrillation	Joules
First attempt (2 joules/kg)	100
Second attempt (3 joules/kg)	150
Subsequent attempts (4 joules/kg)	200

Synchronized Cardioversion	Joules
First attempt (0.5 joules/kg)	25
Subsequent attempts (1 joule/kg)	50

Dopamine Infusion	Dopamine 240 mg in 100 mL
concentration in mg/mL =	2.4
Dose	Infusion Rate (mL/hr)
5 mcg/kg/min	6.3
10 mcg/kg/min	12.5
15 mcg/kg/min	18.8
20 mcg/kg/min	25.0

Lidocaine Infusion	Lidocaine 800 mg in 100 mL
concentration in mg/mL =	8
Dose	Infusion Rate (mL/hr)
10 mcg/kg/min	3.8
20 mcg/kg/min	7.5
30 mcg/kg/min	11.3
40 mcg/kg/min	15.0
50 mcg/kg/min	18.8

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