

Southeast Michigan Regional Protocol

Genesee, HEMS (Wayne), Lapeer, Macomb, Oakland, and Washtenaw/Livingston MCA's

Pediatric Drug Dosages

Drug	Weight lb/kg	5.5/2.5	11/5	22/10	44/20	66/30	88/40	110/50
Adenosine IV/IO	Initial 0.1 mg/kg	0.25	0.5	1.0	2.0	3.0	4.0	5.0
	Subsequent 0.2 mg/kg	0.50	1.0	2.0	4.0	6.0	8.0	10.0
	Max single dose 12 mg							
Albuterol 0.5%		2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg	2.5 mg
Atropine* IV/IO/ET	0.02 mg/kg	0.1	0.1	0.2	0.4	0.6	0.8	1.0
	Minimum dose of 0.1 mg							
	Maximum single dose 0.5 mg/child							
	Maximum single dose 1.0 mg/adolescent							
Max total dose 1 mg/child, 2 mg/adolescent								
Benadryl IV/IO/IM	1mg/kg	NA	NA	NA	20.0	30.0	40.0	50.0
	For patients over 15 lbs only							
Calcium Chloride IV	20-25 mg/kg							
Dextrose ** IV/IO	0.5-1.0 g/kg	1.25-2.5	2.5-5.0	5.0-10.0	10.0-20.0	15.0-25.0	20.0-25.0	25.0
	*If ≤ 1 yo: 12.5%							
	*If > 1 yo: 25%							
	Maximum of 25 gm							
Dopamine *** IV Drip	2-20µg/kg/min	5-50	10-100	20-200	40-400	60-600	80-800	100-1000

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Epinephrine – Arrest IV/IO Initial 0.01 mg/kg (1:10,000, 0.1 ml/kg) Repeat doses 0.1 mg/kg (1:1000, 0.1 ml/kg)		0.025 mg 0.25 mg	0.05 mg 0.5 mg	0.1 mg 1.0 mg	0.2 mg 2.0 mg	0.3 mg 3.0 mg	0.4mg 4.0 mg	0.5 mg 5.0 mg
Epinephrine – Arrest ET 0.1 mg/kg (1:1000, 0.1 ml/kg) Repeat dose 0.1 mg/kg (1:1000, 0.1 ml/kg)		0.25 mg or 0.25ml	0.5 mg or 0.5 ml	1.0 mg or 1.0 ml	2.0 mg or 2.0 ml	3.0 mg or 3.0 ml	4.0 mg or 4.0 ml	5.0 mg or 5.0 ml
Epinephrine- Bradycardia IV/IO IV 0.01 mg/kg (1:10,000 0.1 ml/kg)		0.025 mg or 0.25ml	0.05 mg or 0.5 ml	0.1 mg or 1.0 ml	0.2 mg or 2.0 ml	0.3 mg or 3.0 ml	0.4 mg or 4.0 ml	0.5 mg or 5.0 ml
Epinephrine- Bradycardia ET 0.1 mg/kg (1:1000, 0.1 ml/kg)		0.25 mg or 0.25ml	0.5 mg or 0.5 ml	1.0 mg or 1.0 ml	2.0 mg or 2.0 ml	3.0 mg or 3.0 ml	4.0 mg or 4.0 ml	5.0 mg or 5.0 ml
Epinephrine – Respiratory Distress SC 0.01 mg/kg of 1:1000 Maximum of 0.3 mg		0.025 mg	0.05 mg	0.3 mg	0.3 mg	0.3 mg	0.3 mg	0.3 mg
Fentanyl IV 0.5 mcg/kg 80 +2 (age) mmHg		1.25 mcg	2.5 mcg	5.0 mcg	10 mcg	15 mcg	20 mcg	25 mcg
Saline - Fluid Challenge Initial 20ml/kg Repeat dose x 2 to a maximum of 60ml/kg		50 ml	100 ml	200 ml	200 ml	200 ml	200 ml	200 ml
Lidocaine * IV Initial Bolus 1mg/kg 120 mg in 100 ml D5W Drip 20-50 µg/kg/min		2.5	5.0	10.0	20.0	30.0	40.0	50.0
Morphine IV/IM/IO 0.1 mg/kg		0.25-0.5	0.5-1.0	1.0-2.0	2.0-4.0	3.0-6.0	4.0-8.0	5.0-10.0
Narcan * IV/IO/ET If ≤ 5 yo or ≤ 20 kg :0.1 mg/kg If > 5 yo or > 20 kg : 2.0 mg		0.25	0.5	1.0	2.0	2.0	2.0	2.0
Valium IV/IO 0.2mg/kg or .5mg/kg rectal Maximum dose 10 mg		0.5. 1.25	1.0 2.5	2.0 5.0	4.0 10.0	6.0 10.0	8.0 10.0	10.0 10.0

NOTE: all dosages in the body of the chart are in the measurement that the drug is listed in on the left. For example, Lasix is listed as mg/kg, therefore the numbers 2.5, 5.0, 10.0, 20.0, and so on are 2.5 mg, 5.0 mg.....

* For endotracheal route, dilute dosage to reach a volume of 3-5ml

**Dextrose: To obtain approx 25% Glucose mix, draw 25 ml out of a 1 amp of D50 and discard. Then add 25 ml of NS.

To obtain approx 12.5% Glucose mix, draw 37.5 ml out of a 1 amp of D50 and discard. Then add 37.5 ml of NS.

***Dopamine: Multiply 6.0 mg times the pts weight in kg, then add to that enough saline to reach a volume of 100 ml.