Weight (kg)			12.5 kg	15 kg	20 kg	25 kg	30 kg	40 kg	50 kg	Dose	Maximum Single Dose
Age			1 – 2 yr	2 – 3 yr	4 – 6 yr	7 – 8 yr	10 yr	12 yr	14 yr		
ET Tube Size			4.0 – 4.5	4.5	5.0	5.5	6.0 – 6.5	6.5	7.0 – 7.5		
Adenosine	Conc = 3 mg/mL	Dose	1.2 mg	1.5 mg	2.1 mg	2.4 mg	3 mg	3.9 mg	5.1 mg	0.1 mg/kg	12 mg
Administer by rapid IV/IO bolus		Volume	0.4 mL	0.5 mL	0.7 mL	0.8 mL	1 mL	1.3 mL	1.7 mL	0.03 mL/kg	4 mL
Amiodarone	Conc = 50 mg/mL	Dose	62.5 mg	75 mg	100 mg	125 mg	150 mg	200 mg	250 mg	5 mg/kg	300 mg
Dilute and administer IV/IO over 25 minutes		Volume	1.25 mL	1.5 mL	2 mL	2.5 mL	3 mL	4 mL	5 mL	0.1 mL/kg	6 mL
Atropine*	Conc = 0.1 mg/mL	Dose	0.25 mg	0.3 mg	0.4 mg	0.5 mg	0.6 mg	0.8 mg	1 mg	0.02 mg/kg	1 mg
Administer IV/IO		Volume	2.5 mL	3 mL	4 mL	5 mL	6 mL	8 mL	10 mL	0.2 mL/kg	10 mL
Calcium Chloride 10%	Conc = 100 mg/mL	Dose	250 mg	300 mg	400 mg	500 mg	600 mg	800 mg	1000 mg	20 mg/kg	1000 mg
Administer IV/IO very slowly (1 mL/min)		Volume	2.5 mL	3 mL	4 mL	5 mL	6 mL	8 mL	10 mL	0.2 mL/kg	10 mL
Dextrose 50%	Conc = 0.5 g/mL	Dose	6.25 g	7.5 g	10 g	12.5 g	15 g	20 g	25 g	0.5 g/kg	50 g
Dilute 1:1 with sterile water		Volume	12.5 mL	15 mL	20 mL	25 mL	30 mL	40 mL	50 mL	1 mL/kg	100 mL
Administer IV/IO		Water	12.5 mL	15 mL	20 mL	25 mL	30 mL	40 mL	50 mL	1 mL/kg	100 mL
Epinephrine 1:10,000	Conc = 0.1 mg/mL	Dose	0.125 mg	0.15 mg	0.2 mg	0.25 mg	0.3 mg	0.4 mg	0.5 mg	0.01 mg/kg	1 mg
(Syringe) Administer IV/IO		Volume	1.25 mL	1.5 mL	2 mL	2.5 mL	3 mL	4 mL	5 mL	0.1 mL/kg	10 mL
Epinephrine 1:1,000	Conc = 1 mg/mL	Dose	1.25 mg	1.5 mg	2 mg	2.5 mg	3 mg	4 mg	5 mg	0.1 mg/kg	10 mg (ETT)
(Vial) Administer per ETT only		Volume	1.25 mL	1.5 mL	2 mL	2.5 mL	3 mL	4 mL	5 mL	0.1 mL/kg	10 mL (ETT)
Lidocaine	Conc = 20 mg/mL	Dose	12 mg	15 mg	20 mg	25 mg	30 mg	40 mg	50 mg	1 mg/kg	100 mg
Administer IV/IO		Volume	0.6 mL	0.75 mL	1 mL	1.25 mL	1.5 mL	2 mL	2.5 mL	0.05 mL/kg	5 mL
Magnesium Sulfate	Conc = 500 mg/mL	Dose	300 mg	375 mg	500 mg	625 mg	750 mg	1000 mg	1250 mg	25 mg/kg	2000 mg
Dilute and administer IV/IO over 20 minutes		Volume	0.6 mL	0.75 mL	1 mL	1.25 mL	1.5 mL	2 mL	2.5 mL	0.05 mL/kg	4 mL
Naloxone (total reversal)	Conc = 0.4 mg/mL	Dose	1.24 mg	1.5 mg	2 mg	2 mg	2 mg	2 mg	2 mg	0.1 mg/kg	2 mg
Administer IV/IO/ETT		Volume	3.1 mL	3.8 mL	5 mL	5 mL	5 mL	5 mL	5 mL	0.25 mL/kg	5 mL
Naloxone (partial reversal)	Conc = 0.4 mg/mL	Dose	0.12 mg	0.16 mg	0.2 mg	0.2 mg	0.2 mg	0.2 mg	0.2 mg	0.01 mg/kg	0.2 mg
Administer IV/IO/ETT		Volume	0.3 mL	0.4 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL	0.5 mL	0.025 mL/kg	0.5 mL
Sodium Bicarbonate 8.4%	Conc = 1 mEq/mL	Dose	12.5 mEq	15 mEq	20 mEq	25 mEq	30 mEq	40 mEq	50 mEq	1 mEq/kg	50 mEq
Dilute 1:1 with sterile water; Administer IV/IO		Volume	12.5 mL	15 mL	20 mL	25 mL	30 mL	40 mL	50 mL	1 mL/kg	50 mL
Vasopressin*	Conc = 20 units/mL	Dose	10 units	12 units	16 units	20 units	24 units	32 units	40 units	0.8 units/kg	40 units
Administer IV/IO		Volume	0.5 mL	0.6 mL	0.8 mL	1 mL	1.2 mL	1.6 mL	2 mL	0.04 mL/kg	2 mL

*Atropine and vasopressin may be administered via ETT at 2 - 2.5 times IV/IO dose. Defibrillate 2 joules/kg Cardioversion 0.5 joules/kg

Initiated by / Date: _____ Rechecked by / Date: _____

Shands Children's Hospital at UF

NOT PART OF PERMANENT RECORD
DISCARD AFTER DISCHARGE

Patient Name: Patient Identification #:

Child Emergency Drug Reference

Department of Nursing and Patient Services

Rev. 12/22/08 15-9059-0

Child Emergency Drug Reference

Department of Nursing and Patient Services

Weight (kg)		12.5 kg	15 kg	20 kg	25 kg	30 kg	40 kg	50 kg	Starting Dose
Amiodarone IV infusion		Add 100 mg (2 mL from 50 mg/mL vial) to 100 mL D5W							
Vial conc = 50 mg/mL	**Starting Infusion rate** (mL/hr)	**6.3**	**7.5**	**10**	**12.5**	**15**	**20**	**25**	**0.5 mg/kg/hr**
Final conc = 1 mg/mL	1 mL/hr = (mg/kg/hr)	0.08	0.07	0.05	0.04	0.03	0.025	0.02	
Dobutamine IV infusion		Add 100 mg (8 mL from 12.5 mg/mL vial) to 100 mL D5W or NS							
Vial conc = 12.5 mg/mL	**Starting Infusion rate** (mL/hr)	**7.5**	**9**	**12**	**15**	**18**	**24**	**30**	**10 mcg/kg/min**
Final conc = 1000 mcg/mL	1 mL/hr = (mcg/kg/min)	1.3	1.1	0.83	0.67	0.56	0.4	0.33	
Dopamine IV infusion		Premixed dopamine 800 mcg/mL bag on crash cart							
Premixed bag on cart	**Starting Infusion rate** (mL/hr)	**9.4**	**11.3**	**15**	**18.8**	**22.5**	**30**	**37.5**	**10 mcg/kg/min**
Final conc = 800 mcg/mL	1 mL/hr = (mcg/kg/min)	1.1	0.89	0.67	0.53	0.44	0.33	0.27	
Epinephrine IV infusion		Add 0.8 mg (0.8 mL from 1 mg/mL vial) to 100 mL D5W or NS							
Vial conc = 1 mg/mL	**Starting Infusion rate** (mL/hr)	**4.7**	**5.6**	**7.5**	**9.4**	**11.3**	**15**	**18.8**	**0.05 mcg/kg/min**
Final conc = 8 mcg/mL	1 mL/hr = (mcg/kg/min)	0.01	0.009	0.007	0.005	0.004	0.003	0.003	
Norepinephrine IV infusion		Add 0.8 mg (0.8 mL from 1 mg/mL vial) to 100 mL D5W or NS							
Vial conc = 1 mg/mL	**Starting Infusion rate** (mL/hr)	**4.7**	**5.6**	**7.5**	**9.4**	**11.3**	**15**	**18.8**	**0.05 mcg/kg/min**
Final conc = 8 mcg/mL	1 mL/hr = (mcg/kg/min)	0.01	0.009	0.007	0.005	0.004	0.003	0.003	
Vasopressin IV infusion		Add 40 units (2 mL from 20 units/mL vial) to 100 mL D5W or NS							
Vial conc = 20 units/mL ****FOR SHOCK****	**Starting Infusion rate** (mL/hr)	**1.9**	**2.3**	**3**	**3.8**	**4.5**	**6**	**7.5**	**1 milliunit/kg/min**
Final conc = 0.4 units/mL	1 mL/hr = (milliunit/kg/min)	0.5	0.4	0.3	0.27	0.22	0.17	0.13	

Use the following equation for drip titrations:

$$\frac{\text{Dose ordered by prescriber}}{\text{(1 mL/hr = \_\_\_\_(given in above table))}} \times 1 \text{ mL/hr} = \underline{\quad\quad} \text{ mL/hr to deliver ordered dose}$$

Example Problem:

25 kg child, physician orders epinephrine 0.03 mcg/kg/min

$$\frac{0.03 \text{ mcg/kg/min}}{0.005 \text{ mcg/kg/min}} \times 1 \text{ mL/hr} = \textbf{6 mL/hr} \text{ (new infusion rate to deliver 0.03 mcg/kg/min for a 25 kg child)}$$