

Nasal Trumpet	18	Suction Catheters	8 Fr
Oral Airway	60	Nasogastric Tubes	10 Fr
Intubation Blades	Miller 2, Mac 1-2	Foley Size	8-10 Fr
Endotracheal Tubes	4.0-4.5	Chest Tubes	12 Fr

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<b>Cardioversion #1</b>	0.5joules/kg	<u>6 J</u>	<b>Defibrillation #1</b>	2joules/kg	<u>20 J</u>
(synchronized) #2	1joules/kg	<u>10 J</u>	(asynchronized) #2	4joules/kg	<u>50 J</u>
#3	2joules/kg	<u>20 J</u>	#3	4joules/kg	<u>50 J</u>

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**ADENOSINE** (3mg/ml) 100mcg/kg 100mcg x 11 kg = 1100mcg = 0.37 MLS  
 3000mcg/ml

**AMIODARONE** (50 mg/ml) 5mg/kg 5mg x 11 kg = 55 mg = 1.1 MLS  
 (Bolus for VF or pulseless VT ONLY, over 20 to 60 min for VT with pulse)

**ATROPINE** (0.1mg/ml) 0.02mg/kg 0.02mg x 11 kg = 0.22 mg = 2.2 MLS  
 Minimum Dose: 0.1mg or 1ml / Maximum dose: 2 mg or 20 mls

**CA. CHLORIDE 10%** (100mg/ml) 20mg/kg 20mg x 11 kg = 220 mg = 2.2 MLS

**EPINEPHRINE 1:10,000** (0.1mg/ml) 0.01mg/kg 0.01mg x 11 kg = 0.11mg = 1.1 ML  
 (ALL IV DOSES, may increase dosage for pulseless rhythms)

**EPINEPHRINE 1:1,000** (1mg/ml) 0.1mg/kg 0.1mg x 11 kg = 1.1mg = 1.1 MLS  
 (ALL ETT DOSES ONLY)

**GLUCOSE--D25%** (250mg/ml) 0.5gm/kg 0.5gm x 11 kg = 5.5 gm = 22 MLS

**HCO3-8.4%** (1meq/ml) 1meq/kg 1meq x 11 kg = 11 meq = 11 MLS

**LIDOCAINE** (20mg/ml) 1mg/kg 1mg x 11 kg = 11 mg = 0.55 MLS

**MAGNESIUM** (500mg/ml) 25mg/kg 25mg x 11 kg = 275 mg = 0.55 MLS

**NALOXONE (NARCAN)** (1mg/ml) 0.1mg/kg 0.1mg x 11 kg = 1.1 mg = 1.1 MLS

**FLUMAZENIL** (0.1mg/ml) 0.01mg/kg 0.01mg x 11 kg = 0.11 mg = 1.1 MLS

**DILANTIN** (50mg/ml) 20mg/kg 20mg x 11 kg = 220 mg = 4.4 MLS

**FENTANYL** (50mcg/ml) 1mcg/kg 1mcg x 11 kg = 11 mcg = 0.22 MLS

**KETAMINE** (10mg/ml) 1mg/kg 1mg x 11 kg = 11 mg = 1.1 MLS

**THIOPENTAL** (25mg/ml) 2mg/kg 2mg x 11 kg = 22 mg = 0.88 MLS

**VERSED** (1mg/ml) 0.1mg/kg 0.1mg x 11 kg = 1.1 mg = 1.1 MLS

**ROCURONIUM** (10mg/ml) 1mg/kg 1mg x 11 kg = 11 mg = 1.1 MLS

**VECURONIUM** (dilute 10mg/vial) 0.1mg/kg 0.1mg x 11 kg = 1.1 mg = 1.1 MLS  
 (with 10 ml sterile water = 1mg/ml)

11 KG DRIP CALCULATIONS VASOCONSTRICTOR / INOTROPIC MEDICATIONS

MEDICATION (concentration)		*****																			
DOBUTAMINE (1 mg/ml)		(Premixed bag = 250 mg/250 ml D5W)																			
Dosage: mcg/kg/min																					
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20																				
ml/hr	0.7 1.3 2 2.6 3.3 4 4.6 5.3 5.9 6.6 7.3 7.9 8.6 9.2 9.9 10.6 11.2 11.9 12.5 13.2																				

DOBUTAMINE (2 mg/ml)		*** In a Code 99 situation, this concentration is in the crash cart in a pre-mixed IV bag. ***																			
Dosage: mcg/kg/min		(Premixed bag = 500 mg/250 ml D5W)																			
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20																				
ml/hr	0.3 0.7 1 1.3 1.7 2 2.3 2.6 3 3.3 3.6 4 4.3 4.6 5 5.3 5.6 5.9 6.3 6.6																				

MEDICATION (concentration)		*****																			
DOPAMINE (0.8 mg/ml)		(Premixed bag = 200 mg/250 ml D5W)																			
Dosage: mcg/kg/min																					
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20																				
ml/hr	0.8 1.7 2.5 3.3 4.1 5 5.8 6.6 7.4 8.3 9.1 9.9 10.7 11.6 12.4 13.2 14 14.9 15.7 16.5																				

DOPAMINE (1.6 mg/ml)		*** In a Code 99 situation, this concentration is in the crash cart in a pre-mixed IV bag. ***																			
Dosage: mcg/kg/min		(Premixed bag = 400 mg/250 ml D5W)																			
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20																				
ml/hr	0.4 0.8 1.2 1.7 2.1 2.5 2.9 3.3 3.7 4.1 4.5 5 5.4 5.8 6.2 6.6 7 7.4 7.8 8.3																				

DOPAMINE (3.2 mg/ml)		(Premixed bag = 800 mg/250 ml D5W)																			
Dosage: mcg/kg/min																					
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20																				
ml/hr	0.2 0.4 0.6 0.8 1 1.2 1.4 1.7 1.9 2.1 2.3 2.5 2.7 2.9 3.1 3.3 3.5 3.7 3.9 4.1																				

***	MEDICATION	*****	(concentration)	*****															
	EPINEPHRINE / ISOPROTERENOL / PHENYLEPHRINE		(0.02 mg/ml)																
	Dosage: mcg/kg/min																		
	0.05 0.06 0.07 0.08 0.09 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1 1.5 2																		
ml/hr	1.7 2 2.3 2.6 3 3.3 6.6 9.9 13.2 16.5 19.8 23.1 26.4 29.7 33 49.5 66																		

	EPINEPHRINE / ISOPROTERENOL / PHENYLEPHRINE		(0.05 mg/ml)																
	Dosage: mcg/kg/min																		
	0.05 0.06 0.07 0.08 0.09 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1 1.5 2																		
ml/hr	0.7 0.8 0.9 1.1 1.2 1.3 2.6 4 5.3 6.6 7.9 9.2 10.6 11.9 13.2 19.8 26.4																		

	EPINEPHRINE (0.1 mg/ml)	** In a Code 99 situation, draw up 45 ml's of D5W in a 60 ml syringe and add 5 ml's of 1:1,000 Epinephrine (vial) for a final concentration of 0.1 mg/ml. **																			
	Dosage: mcg/kg/min																				
	0.05 0.06 0.07 0.08 0.09 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1 1.5 2																				
ml/hr	0.3 0.4 0.5 0.5 0.6 0.7 1.3 2 2.6 3.3 4 4.6 5.3 5.9 6.6 9.9 13.2																				

11 KG DRIP CALCULATIONS VASOCONSTRICTOR / INOTROPIC MEDICATIONS

*****	<b>MEDICATION</b>	(concentration)	*****																
	MILRINONE	(0.1 mg/ml)																	
		Dosage: mcg/kg/min																	
	0.1	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	1	
ml/hr	0.7	1.3	1.7	2	2.3	2.6	3	3.3	3.6	4	4.3	4.6	5	5.3	5.6	5.9	6.3	6.6	

	<b>MILRINONE</b>	(0.2 mg/ml)	(Premixed bag = 40 mg/200 ml D5W)																
		Dosage: mcg/kg/min																	
	0.1	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	1	
ml/hr	0.3	0.7	0.8	1	1.2	1.3	1.5	1.7	1.8	2	2.1	2.3	2.5	2.6	2.8	3	3.1	3.3	

***	<b>MEDICATION</b>	(concentration)	*****																
	NOREPINEPHRINE	(0.02 mg/ml)																	
		Dosage: mcg/kg/min																	
	0.05	0.06	0.07	0.08	0.09	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1	1.5	2		
ml/hr	1.7	2	2.3	2.6	3	3.3	6.6	9.9	13.2	16.5	19.8	23.1	26.4	29.7	33	49.5	66		

	<b>NOREPINEPHRINE</b>	(0.04 mg/ml)																	
		Dosage: mcg/kg/min																	
	0.05	0.06	0.07	0.08	0.09	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1	1.5	2		
ml/hr	0.8	1	1.2	1.3	1.5	1.7	3.3	5	6.6	8.3	9.9	11.6	13.2	14.9	16.5	24.8	33		

11 KG DRIP CALCULATIONS ANTIARRHYTHMIC

*****	<b>MEDICATION</b>	(concentration)	*****																
			*** In a Code 99 situation, draw up 48 ml's of D5W in a 60 cc syringe and add 1.8 ml's of Amiodarone for a concentration of 1.8 mg/ml. ***																
	<b>AMIODARONE</b>	(1.8 mg/ml)																	
		Dosage: mcg/kg/min																	
	5	6	7	8	9	10	11	12	13	14	15								
ml/hr	1.8	2.2	2.6	2.9	3.3	3.7	4	4.4	4.8	5.1	5.5								

*****	<b>MEDICATION</b>	(concentration)	*****																
			*** In a Code 99 situation, this concentration is in the crash cart in a pre-mixed IV bag. ***																
	<b>LIDOCAINE</b>	(4 mg/ml)	(Premixed bag = 2 grams/500 ml D5W)																
		Dosage: mcg/kg/min																	
	10	15	20	25	30	35	40	45	50										
ml/hr	1.7	2.5	3.3	4.1	5	5.8	6.6	7.4	8.3										

11 KG DRIP CALCULATIONS FOR VASODILATOR/ANTIHYPERTENSIVE MEDICATIONS

\*\*\*\*\* MEDICATION (concentration) \*\*\*\*\*

NICARDIPINE (1 mg/ml)	
Dosage: mcg/kg/min	
	0.5 1 1.5 2 2.5 3 3.5 4 4.5 5
ml/hr	0.3 0.7 1 1.3 1.7 2 2.3 2.6 3 3.3

\*\*\*\*\* MEDICATION (concentration) \*\*\*\*\*

NITROPRUSSIDE (1 mg/ml)	
Dosage: mcg/kg/min	
	0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5 6 6.5 7 7.5 8
ml/hr	0.3 0.7 1 1.3 1.7 2 2.3 2.6 3 3.3 3.6 4 4.3 4.6 5 5.3

MEDICATION (concentration) \*\*\*\*\*

NITROGLYCERIN (0.8 mg/ml)	
Dosage: mcg/kg/min	
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
ml/hr	0.8 1.7 2.5 3.3 4.1 5 5.8 6.6 7.4 8.3 9.1 9.9 10.7 11.6 12.4 13.2 14 14.9 15.7 16.5

11 KG DRIP CALCULATIONS CALCIUM CHLORIDE

*****	MEDICATION	(concentration)	*****									
	CALCIUM CHLORIDE	(10 mg/ml)										
		Dosage: mg/kg/hour										
		1 2 3 4 5										
ml/hr		1.1 2.2 3.3 4.4 5.5										

	CALCIUM CHLORIDE	(50 mg/ml)										
		Dosage: mg/kg/hour										
		1 2 3 4 5										
ml/hr		0.2 0.4 0.7 0.9 1.1										

11 KG DRIP CALCULATIONS FENTANYL AND VERSED

*****	MEDICATION	(concentration)	*****									
	FENTANYL	(25 mcg/ml = 0.025 mg/ml)										
		Dosage: mcg/kg/hour										
		0.5 1 1.5 2 2.5 3 3.5 4 4.5 5										
ml/hr		0.2 0.4 0.7 0.9 1.1 1.3 1.5 1.8 2 2.2										

	FENTANYL	(50 mcg/ml = 0.05 mg/ml)										
		Dosage: mcg/kg/hour										
		0.5 1 1.5 2 2.5 3 3.5 4 4.5 5										
ml/hr		0.1 0.2 0.3 0.4 0.6 0.7 0.8 0.9 1 1.1										

*****	MEDICATION	(concentration)	*****									
	VERSED	(1 mg/ml)										
		Dosage: mg/kg/hour										
		0.05 0.1 0.15 0.2 0.25 0.3 0.35 0.4 0.45 0.5										
ml/hr		0.6 1.1 1.7 2.2 2.8 3.3 3.9 4.4 5 5.5										

	VERSED	(5 mg/ml)										
		Dosage: mg/kg/hour										
		0.05 0.1 0.15 0.2 0.25 0.3 0.35 0.4 0.45 0.5										
ml/hr		0.1 0.2 0.3 0.4 0.6 0.7 0.8 0.9 1 1.1										