

Nasal Trumpet	18	Suction Catheters	8 Fr
Oral Airway	40-60	Nasogastric Tubes	8-10 Fr
Intubation Blades	Miller1-2, Mac 1	Foley Size	8-10 Fr
Endotracheal Tubes	3.5-4.0	Chest Tubes	12 Fr

<b>Cardioversion #1</b>	0.5joules/kg	<u>4 J</u>	<b>Defibrillation #1</b>	2joules/kg	<u>20 J</u>
(synchronized) #2	1joules/kg	<u>8 J</u>	(asynchronized) #2	4joules/kg	<u>30 J</u>
#3	2joules/kg	<u>20 J</u>	#3	4joules/kg	<u>30 J</u>

ADENOSINE (3mg/ml) 100mcg/kg 100mcg x 8 kg = 800 mcg = 0.27 MLS  
 3000mcg/ml

AMIODARONE (50 mg/ml) 5mg/kg 5mg x 8 kg = 40 mg = 0.8 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 8 kg = 0.16 mg = 1.6 MLS  
Minimum Dose: 0.1mg or 1ml / Maximum dose: 2 mg or 20 mls

CA. CHLORIDE 10% (100mg/ml) 20mg/kg 20mg x 8 kg = 160 mg = 1.6 MLS

EPINEPHRINE 1:10,000 (0.1mg/ml) 0.01mg/kg 0.01mg x 8 kg = 0.08 mg = 0.8 MLS  
 (ALL IV DOSES, may increase dosage for pulseless rhythms)

EPINEPHRINE 1:1,000 (1mg/ml) 0.1mg/kg 0.1mg x 8 kg = 0.8 mg = 0.8 MLS  
 (ALL ETT DOSES ONLY)

GLUCOSE--D25% (250mg/ml) 0.5gm/kg 0.5gm x 8 kg = 4 gm = 16 MLS

HCO3-8.4% (1meq/ml) 1meq/kg 1meq x 8 kg = 8 meq = 8 MLS

LIDOCAINE (20mg/ml) 1mg/kg 1mg x 8 kg = 8 mg = 0.4 MLS

MAGNESIUM (500mg/ml) 25mg/kg 25mg x 8 kg = 200 mg = 0.4 MLS

NALOXONE (NARCAN) (1mg/ml) 0.1mg/kg 0.1mg x 8 kg = 0.8 mg = 0.8 MLS

FLUMAZENIL (0.1mg/ml) 0.01mg/kg 0.01mg x 8 kg = 0.08 mg = 0.8 MLS

DILANTIN (50mg/ml) 20mg/kg 20mg x 8 kg = 160 mg = 3.2 MLS

FENTANYL (50mcg/ml) 1mcg/kg 1mcg x 8 kg = 8 mcg = 0.16 MLS

KETAMINE (10mg/ml) 1mg/kg 1mg x 8 kg = 8 mg = 0.8 MLS

THIOPENTAL (25mg/ml) 2mg/kg 2mg x 8 kg = 16 mg = 0.64 MLS

VERSED (1mg/ml) 0.1mg/kg 0.1mg x 8 kg = 0.8 mg = 0.8 MLS

ROCURONIUM (10mg/ml) 1mg/kg 1mg x 8 kg = 8 mg = 0.8 MLS

VECURONIUM (dilute 10mg/vial) 0.1mg/kg 0.1mg x 8 kg = 0.8 mg = 0.8 MLS  
 (with 10 ml sterile water = 1mcg/ml)

**8 KG DRIP CALCULATIONS VASOCONSTRICTOR / INOTROPIC MEDICATIONS**

<b>MEDICATION</b>		<b>(concentration) *****</b>																			
<b>DOBUTAMINE</b>		<b>(1 mg/ml) (Premixed bag = 250 mg/250 ml D5W)</b>																			
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	0.5 1 1.4 1.9 2.4 2.9 3.4 3.8 4.3 4.8 5.3 5.8 6.2 6.7 7.2 7.7 8.2 8.6 9.1 9.6																				

<b>DOBUTAMINE</b>		<b>(2 mg/ml) *** In a Code 99 situation, this concentration is in the crash cart in a pre-mixed IV bag. ***</b>																			
Dosage: mcg/kg/min		<b>(Premixed bag = 500 mg/250 ml D5W)</b>																			
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20																				
ml/hr	0.2 0.5 0.7 1 1.2 1.4 1.7 1.9 2.2 2.4 2.6 2.9 3.1 3.4 3.6 3.8 4.1 4.3 4.6 4.8																				

<b>MEDICATION</b>		<b>(concentration) *****</b>																			
<b>DOPAMINE</b>		<b>(0.8 mg/ml) (Premixed bag = 200 mg/250 ml D5W)</b>																			
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	0.6 1.2 1.8 2.4 3 3.6 4.2 4.8 5.4 6 6.6 7.2 7.8 8.4 9 9.6 10.2 10.8 11.4 12																				

<b>DOPAMINE</b>		<b>(1.6 mg/ml) *** In a Code 99 situation, this concentration is in the crash cart in a pre-mixed IV bag. ***</b>																			
Dosage: mcg/kg/min		<b>(Premixed bag = 400 mg/250 ml D5W)</b>																			
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20																				
ml/hr	0.3 0.6 0.9 1.2 1.5 1.8 2.1 2.4 2.7 3 3.3 3.6 3.9 4.2 4.5 4.8 5.1 5.4 5.7 6																				

<b>DOPAMINE</b>		<b>(3.2 mg/ml) (Premixed bag = 800 mg/250 ml D5W)</b>																			
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 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8 2 2.1 2.3 2.4 2.6 2.7 2.9 3																				

<b>MEDICATION</b>		<b>(concentration) *****</b>																			
<b>EPINEPHRINE / ISOPROTERENOL / PHENYLEPHRINE</b>		<b>(0.02 mg/ml)</b>																			
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	1.2 1.4 1.7 1.9 2.2 2.4 4.8 7.2 9.6 12 14.4 16.8 19.2 21.6 24 36 48																				

<b>EPINEPHRINE / ISOPROTERENOL / PHENYLEPHRINE</b>		<b>(0.05 mg/ml)</b>																			
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	0.5 0.6 0.7 0.8 0.9 1 1.9 2.9 3.8 4.8 5.8 6.7 7.7 8.6 9.6 14.4 19.2																				

<b>EPINEPHRINE</b>		<b>(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. **</b>																			
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	0.2 0.3 0.3 0.4 0.4 0.5 1 1.4 1.9 2.4 2.9 3.4 3.8 4.3 4.8 7.2 9.6																				

**8 KG DRIP CALCULATIONS VASOCONSTRICTOR / INOTROPIC MEDICATIONS**

*****	MEDICATION	(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		0.5 1 1.2 1.4	1.7	1.9	2.2	2.4	2.6	2.9	3.1	3.4	3.6	3.8	4.1	4.3	4.6	4.8			

	MILRINONE	(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		0.2 0.5 0.6 0.7	0.8	1	1.1	1.2	1.3	1.4	1.6	1.7	1.8	1.9	2	2.2	2.3	2.4			

***	MEDICATION	(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		1.2 1.4 1.7 1.9	2.2	2.4	4.8	7.2	9.6	12	14.4	16.8	19.2	21.6	24	36	48				

	NOREPINEPHRINE	(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		0.6 0.7 0.8 1	1.1	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	18	24				

**8 KG DRIP CALCULATIONS ANTIARRHYTHMIC**

*****	MEDICATION	(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. ***																
	AMIODARONE	(1.8 mg/ml)																	
		Dosage: mcg/kg/min																	
		5 6 7 8 9 10 11 12 13 14 15																	
ml/hr		1.3 1.6 1.9 2.1 2.4 2.7 2.9 3.2 3.5 3.7 4																	

*****	MEDICATION	(concentration)	*****																
			*** In a Code 99 situation, this concentration is in the crash cart in a pre-mixed IV bag. ***																
	LIDOCAINE	(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		1.2 1.8 2.4 3 3.6 4.2 4.8 5.4 6																	

8 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	0.2 0.5 0.7 1 1.2 1.4 1.7 1.9 2.2 2.4										

*****	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	0.2 0.5 0.7 1 1.2 1.4 1.7 1.9 2.2 2.4 2.6 2.9 3.1 3.4 3.6 3.8														

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	0.6 1.2 1.8 2.4 3 3.6 4.2 4.8 5.4 6 6.6 7.2 7.8 8.4 9 9.6 10.2 10.8 11.4 12																		

8 KG DRIP CALCULATIONS FOR PROSTAGLANDIN E

*****	MEDICATION	(concentration)	*****															
	PROSTAGLANDIN E	(0.01 mg/ml)																
		Dosage: mcg/kg/min																
		0.01 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09 0.1 0.15 0.2 0.25 0.3 0.35 0.4																
	ml/hr	0.5 1 1.4 1.9 2.4 2.9 3.4 3.8 4.3 4.8 7.2 9.6 12 14.4 16.8 19.2																

8 KG DRIP CALCULATIONS CALCIUM CHLORIDE

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

CALCIUM CHLORIDE (10 mg/ml)  
 Dosage: mg/kg/hour

	1	2	3	4	5
ml/hr	0.8	1.6	2.4	3.2	4

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CALCIUM CHLORIDE (50 mg/ml)  
 Dosage: mg/kg/hour

	1	2	3	4	5
ml/hr	0.2	0.3	0.5	0.6	0.8

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8 KG DRIP CALCULATIONS FENTANYL AND VERSED

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\*\*\*\*\* 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	0.3	0.5	0.6	0.8	1	1.1	1.3	1.4	1.6

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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	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.8

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\*\*\*\*\* 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	0.4	0.8	1.2	1.6	2	2.4	2.8	3.2	3.6	4

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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	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.8

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