

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

Cardioversion #1	0.5joules/kg	<u>5 J</u>	Defibrillation #1	2joules/kg	<u>20 J</u>
(synchronized) #2	1joules/kg	<u>9 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 9 kg = 900mcg = 0.3 MLS
3000mcg/ml

AMIODARONE (50 mg/ml) 5mg/kg 5mg x 9 kg = 45mg = 0.9 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 9 kg = 0.18ml = 1.8 MLS
Minimum Dose: 0.1mg or 1ml / Maximum dose: 2 mg or 20 mls

CA. CHLORIDE 10% (100mg/ml) 20mg/kg 20mg x 9 kg = 180 mg = 1.8 MLS

EPINEPHRINE 1:10,000 (0.1mg/ml) 0.01mg/kg 0.01mg x 9 kg = 0.09mg = 0.9 MLS
(ALL IV DOSES, may increase dosage for pulseless rhythms)

EPINEPHRINE 1:1,000 (1mg/ml) 0.1mg/kg 0.1mg x 9 kg = 0.9mg = 0.9 MLS
(ALL ETT DOSES ONLY)

GLUCOSE--D25% (250mg/ml) 0.5gm/kg 0.5gm x 9 kg = 4.5 gm = 18 MLS

HCO3--8.4% (1meq/ml) 1meq/kg 1meq x 9 kg = 9 meq = 9 MLS

LIDOCAINE (20mg/ml) 1mg/kg 1mg x 9 kg = 9 mg = 0.45 MLS

MAGNESIUM (500mg/ml) 25mg/kg 25mg x 9 kg = 225 mg = 0.45 MLS

NALOXONE (NARCAN) (1mg/ml) 0.1mg/kg 0.1mg x 9 kg = 0.9 mg = 0.9 MLS

FLUMAZENIL (0.1mg/ml) 0.01mg/kg 0.01mg x 9 kg = 0.09mg = 0.9 MLS

DILANTIN (50mg/ml) 20mg/kg 20mg x 9 kg = 180 mg = 3.6 MLS

FENTANYL (50mcg/ml) 1mcg/kg 1mcg x 9 kg = 9 mcg = 0.18 MLS

KETAMINE (10mg/ml) 1mg/kg 1mg x 9 kg = 9 mg = 0.9 MLS

THIOPENTAL (25mg/ml) 2mg/kg 2mg x 9 kg = 18 mg = 0.72 MLS

VERSED (1mg/ml) 0.1mg/kg 0.1mg x 9 kg = 0.9 mg = 0.9 MLS

ROCURONIUM (10mg/ml) 1mg/kg 1mg x 9 kg = 9 mg = 0.9 MLS

VECURONIUM (dilute 10mg/vial) 0.1mg/kg 0.1mg x 9 kg = 0.9 mg = 0.9 MLS
(with 10 ml sterile water = 1mg/ml)

9 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	0.5 1.1 1.6 2.2 2.7 3.2 3.8 4.3 4.9 5.4 5.9 6.5 7 7.6 8.1 8.6 9.2 9.7 10.3 10.8																			

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 0.5 0.8 1.1 1.4 1.6 1.9 2.2 2.4 2.7 3 3.2 3.5 3.8 4.1 4.3 4.6 4.9 5.1 5.4																			

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	0.7 1.4 2 2.7 3.4 4.1 4.7 5.4 6.1 6.8 7.4 8.1 8.8 9.5 10.1 10.8 11.5 12.2 12.8 13.5																			

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	0.3 0.7 1 1.4 1.7 2 2.4 2.7 3 3.4 3.7 4.1 4.4 4.7 5.1 5.4 5.7 6.1 6.4 6.8																			

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 0.3 0.5 0.7 0.8 1 1.2 1.4 1.5 1.7 1.9 2 2.2 2.4 2.5 2.7 2.9 3 3.2 3.4																			

***	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		1.4 1.6 1.9 2.2 2.4 2.7 5.4 8.1 10.8 13.5 16.2 18.9 21.6 24.3 27 40.5 54																	

	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		0.5 0.6 0.8 0.9 1 1.1 2.2 3.2 4.3 5.4 6.5 7.6 8.6 9.7 10.8 16.2 21.6																	

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 0.3 0.4 0.4 0.5 0.5 1.1 1.6 2.2 2.7 3.2 3.8 4.3 4.9 5.4 8.1 10.8																			

9 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 1.4 1.6 1.9 2.2 2.4 2.7 3 3.2 3.5 3.8 4.1 4.3 4.6 4.9 5.1 5.4																	
	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		0.3 0.5 0.7 0.8 0.9 1.1 1.2 1.4 1.5 1.6 1.8 1.9 2 2.2 2.3 2.4 2.6 2.7																	
***	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		1.4 1.6 1.9 2.2 2.4 2.7 5.4 8.1 10.8 13.5 16.2 18.9 21.6 24.3 27 40.5 54																	
	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		0.7 0.8 0.9 1.1 1.2 1.4 2.7 4.1 5.4 6.8 8.1 9.5 10.8 12.2 13.5 20.3 27																	

9 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		1.5 1.8 2.1 2.4 2.7 3 3.3 3.6 3.9 4.2 4.5																	
*****	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		1.4 2 2.7 3.4 4.1 4.7 5.4 6.1 6.8																	

9 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 0.5 0.8 1.1 1.4 1.6 1.9 2.2 2.4 2.7										

*****	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 0.5 0.8 1.1 1.4 1.6 1.9 2.2 2.4 2.7 3 3.2 3.5 3.8 4.1 4.3														

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	0.7 1.4 2 2.7 3.4 4.1 4.7 5.4 6.1 6.8 7.4 8.1 8.8 9.5 10.1 10.8 11.5 12.2 12.8 13.5																		

9 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 1.6 2.2 2.7 3.2 3.8 4.3 4.9 5.4 8.1 10.8 13.5 16.2 18.9 21.6														

9 KG DRIP CALCULATIONS CALCIUM CHLORIDE

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

CALCIUM CHLORIDE (10 mg/ml)
 Dosage: mg/kg/hour
 1 2 3 4 5
 ml/hr 0.9 1.8 2.7 3.6 4.5

CALCIUM CHLORIDE (50 mg/ml)
 Dosage: mg/kg/hour
 1 2 3 4 5
 ml/hr 0.2 0.4 0.5 0.7 0.9

9 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 0.5 0.7 0.9 1.1 1.3 1.4 1.6 1.8

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 0.5 0.5 0.6 0.7 0.8 0.9

***** 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 0.5 0.9 1.4 1.8 2.3 2.7 3.2 3.6 4.1 4.5

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 0.5 0.5 0.6 0.7 0.8 0.9