

Nasal Trumpet	14	Suction Catheters	8 Fr
Oral Airway	40	Nasogastric Tubes	8 Fr
Intubation Blades	Miller 1	Foley Size	8 Fr
Endotracheal Tubes	3.5-4.0	Chest Tubes	12 Fr

Cardioversion #1	0.5joules/kg	<u>4 J</u>	Defibrillation #1	2joules/kg	<u>20 J</u>
(synchronized) #2	1joules/kg	<u>7 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 7 kg = 700mcg = 0.23 MLS
3000mcg/ml

AMIODARONE (50 mg/ml) 5mg/kg 5mg x 7 kg = 35mg = 0.7 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 7 kg = 0.14mg = 1.4 MLS
Minimum Dose: 0.1mg or 1ml / Maximum dose: 2 mg or 20 mls

CA. CHLORIDE 10% (100mg/ml) 20mg/kg 20mg x 7 kg = 140mg = 1.4 MLS

EPINEPHRINE 1:10,000 (0.1mg/ml) 0.01mg/kg 0.01mg x 7 kg = 0.07mg = 0.7 MLS
(ALL IV DOSES, may increase dosage for pulseless rhythms)

EPINEPHRINE 1:1,000 (1mg/ml) 0.1mg/kg 0.1mg x 7 kg = 0.7mg = 0.7 MLS
(ALL ETT DOSES ONLY)

GLUCOSE--D25% (250mg/ml) 0.5gm/kg 0.5gm x 7 kg = 3.5 gm = 14 MLS

HCO3-8.4% (1meq/ml) 1meq/kg 1meq x 7 kg = 7 meq = 7 MLS

LIDOCAINE (20mg/ml) 1mg/kg 1mg x 7 kg = 7 mg = 0.35 MLS

MAGNESIUM (500mg/ml) 25mg/kg 25mg x 7 kg = 175 mg = 0.35 MLS

NALOXONE (NARCAN) (1mg/ml) 0.1mg/kg 0.1mg x 7 kg = 0.7 mg = 0.7 MLS

FLUMAZENIL (0.1mg/ml) 0.01mg/kg 0.01mg x 7 kg = 0.07mg = 0.7 MLS

DILANTIN (50mg/ml) 20mg/kg 20mg x 7 kg = 140 mg = 2.8 MLS

FENTANYL (50mcg/ml) 1mcg/kg 1mcg x 7 kg = 7 mcg = 0.14 MLS

KETAMINE (10mg/ml) 1mg/kg 1mg x 7 kg = 7 mg = 0.7 MLS

THIOPENTAL (25mg/ml) 2mg/kg 2mg x 7 kg = 14 mg = 0.56 MLS

VERSED (1mg/ml) 0.1mg/kg 0.1mg x 7 kg = 0.7 mg = 0.7 MLS

ROCURONIUM (10mg/ml) 1mg/kg 1mg x 7 kg = 7 mg = 0.7 MLS

VECURONIUM (dilute 10mg/vial) 0.1mg/kg 0.1mg x 7 kg = 0.7 mg = 0.7 MLS
(with 10 ml sterile water = 1mg/ml)

7 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	0.4 0.8 1.3 1.7 2.1 2.5 2.9 3.4 3.8 4.2 4.6 5 5.5 5.9 6.3 6.7 7.1 7.6 8 8.4																			

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	0.2 0.4 0.6 0.8 1.1 1.3 1.5 1.7 1.9 2.1 2.3 2.5 2.7 2.9 3.2 3.4 3.6 3.8 4 4.2																			

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	0.5 1.1 1.6 2.1 2.6 3.2 3.7 4.2 4.7 5.3 5.8 6.3 6.8 7.4 7.9 8.4 8.9 9.5 10 10.5																			

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 0.5 0.8 1.1 1.3 1.6 1.8 2.1 2.4 2.6 2.9 3.2 3.4 3.7 3.9 4.2 4.5 4.7 5 5.3																			

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	0.1 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.6 1.7 1.8 2 2.1 2.2 2.4 2.5 2.6																			

***	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	1.1 1.3 1.5 1.7 1.9 2.1 4.2 6.3 8.4 10.5 12.6 14.7 16.8 18.9 21 31.5 42																	

	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	0.4 0.5 0.6 0.7 0.8 0.8 1.7 2.5 3.4 4.2 5 5.9 6.7 7.6 8.4 12.6 16.8																	

	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	0.2 0.3 0.3 0.3 0.4 0.4 0.8 1.3 1.7 2.1 2.5 2.9 3.4 3.8 4.2 6.3 8.4																		

7 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	0.4 0.8 1.1 1.3 1.5 1.7 1.9 2.1 2.3 2.5 2.7 2.9 3.2 3.4 3.6 3.8 4 4.2																	

	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 0.4 0.5 0.6 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2 2.1																	

***	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	1.1 1.3 1.5 1.7 1.9 2.1 4.2 6.3 8.4 10.5 12.6 14.7 16.8 18.9 21 31.5 42																	

	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	0.5 0.6 0.7 0.8 0.9 1.1 2.1 3.2 4.2 5.3 6.3 7.4 8.4 9.5 10.5 15.8 21																	

7 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	1.2 1.4 1.6 1.9 2.1 2.3 2.6 2.8 3 3.3 3.5																		

*****	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	1.1 1.6 2.1 2.6 3.2 3.7 4.2 4.7 5.3																		

7 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 0.4 0.6 0.8 1.1 1.3 1.5 1.7 1.9 2.1										

*****	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 0.4 0.6 0.8 1.1 1.3 1.5 1.7 1.9 2.1 2.3 2.5 2.7 2.9 3.2 3.4																

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	0.5 1.1 1.6 2.1 2.6 3.2 3.7 4.2 4.7 5.3 5.8 6.3 6.8 7.4 7.9 8.4 8.9 9.5 10 10.																				

7 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		0.4 0.8 1.3 1.7 2.1 2.5 2.9 3.4 3.8 4.2 6.3 8.4 10.5 12.6 14.7 16.8																

7 KG DRIP CALCULATIONS CALCIUM CHLORIDE

*****	MEDICATION	(concentration)	*****									
	CALCIUM CHLORIDE	(10 mg/ml)										
		Dosage: mg/kg/hour										
		1 2 3 4 5										
ml/hr		0.7 1.4 2.1 2.8 3.5										

	CALCIUM CHLORIDE	(50 mg/ml)										
		Dosage: mg/kg/hour										
		1 2 3 4 5										
ml/hr		0.1 0.3 0.4 0.6 0.7										

7 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		0.1 0.3 0.4 0.6 0.7 0.8 1 1.1 1.3 1.4										

	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 0.1 0.2 0.3 0.4 0.4 0.5 0.6 0.6 0.7										

*****	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 0.7 1.1 1.4 1.8 2.1 2.5 2.8 3.2 3.5										

	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 0.1 0.2 0.3 0.4 0.4 0.5 0.6 0.6 0.7										