

Nasal Trumpet	22	Suction Catheters	10-12 Fr
Oral Airway	60-80	Nasogastric Tubes	12-14 Fr
Intubation Blades	Miller or Mac 2	Foley Size	10-12 Fr
Endotracheal Tubes	5.5	Chest Tubes	20 Fr

Cardioversion #1	0.5joules/kg	<u>10 J</u>	Defibrillation #1	2joules/kg	<u>50 J</u>
(synchronized) #2	1joules/kg	<u>20 J</u>	(asynchronized) #2	4joules/kg	<u>100 J</u>
#3	2joules/kg	<u>50 J</u>	#3	4joules/kg	<u>100 J</u>

ADENOSINE (3mg/ml) 100mcg/kg 100mcg x 22.5 kg = 2250mcg = 0.75 MLS
3000mcg/ml

AMIODARONE (50 mg/ml) 5mg/kg 5mg x 22.5 kg = 112.5mg = 2.25 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 22.5 kg = 0.45 mg = 4.5 MLS
Minimum Dose: 0.1mg or 1ml / Maximum dose: 2 mg or 20 mls

CA. CHLORIDE 10% (100mg/ml) 20mg/kg 20mg x 22.5 kg = 450 mg = 4.5 MLS

EPINEPHRINE 1:10,000 (0.1mg/ml) 0.01mg/kg 0.01mg x 22.5 kg = 0.225mg = 2.25 MLS
(ALL IV DOSES, may increase dosage for pulseless rhythms)

EPINEPHRINE 1:1,000 (1mg/ml) 0.1mg/kg 0.1mg x 22.5 kg = 2.25mg = 2.25 MLS
(ALL ETT DOSES ONLY)

GLUCOSE--D25% (250mg/ml) 0.5gm/kg 0.5gm x 22.5 kg = 11.25 gm = 45 MLS

HCO3--8.4% (1meq/ml) 1meq/kg 1meq x 22.5 kg = 22.5meq = 22.5 MLS

LIDOCAINE (20mg/ml) 1mg/kg 1mg x 22.5 kg = 22.5 mg = 1.13 MLS

MAGNESIUM (500mg/ml) 25mg/kg 25mg x 22.5 kg = 562.5 mg = 1.13 MLS

NALOXONE (NARCAN) (1mg/ml) 0.1mg/kg 0.1mg x 22.5 kg = 2.25 mg = 2.25 MLS

FLUMAZENIL (0.1mg/ml) 0.01mg/kg 0.01mg x 22.5 kg = 0.23 mg = 2.3 MLS

DILANTIN (50mg/ml) 20mg/kg 20mg x 22.5 kg = 450 mg = 9 MLS

FENTANYL (50mcg/ml) 1mcg/kg 1mcg x 22.5 kg = 22.5mcg = 0.45 MLS

KETAMINE (10mg/ml) 1mg/kg 1mg x 22.5 kg = 22.5mg = 2.25 MLS

THIOPENTAL (25mg/ml) 2mg/kg 2mg x 22.5 kg = 45 mg = 1.8 MLS

VERSED (1mg/ml) 0.1mg/kg 0.1mg x 22.5 kg = 2.25 mg = 2.25 MLS

ROCURONIUM (10mg/ml) 1mg/kg 1mg x 22.5 kg = 22.5 mg = 2.25 MLS

VECURONIUM (dilute 10mg/vial) 0.1mg/kg 0.1mg x 22.5 kg = 2.25 mg = 2.25 MLS
(with 10 ml sterile water = 1mg/ml)

22.5 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	1.4 2.7 4.1 5.4 6.8 8.1 9.5 10.8 12.2 13.5 14.9 16.2 17.6 18.9 20.3 21.6 23 24.3 25.7 27																				

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	0.7 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																				

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	1.7 3.4 5.1 6.8 8.4 10.1 11.8 13.5 15.2 16.9 18.6 20.3 21.9 23.6 25.3 27 28.7 30.4 32.1 33.8																				

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	0.8 1.7 2.5 3.4 4.2 5.1 5.9 6.8 7.6 8.4 9.3 10.1 11 11.8 12.7 13.5 14.3 15.2 16 16.9																				

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	0.4 0.8 1.3 1.7 2.1 2.5 3 3.4 3.8 4.2 4.6 5.1 5.5 5.9 6.3 6.8 7.2 7.6 8 8.4																				

***	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	3.4 4.1 4.7 5.4 6.1 6.8 13.5 20.3 27 33.8 40.5 47.3 54 60.8 67.5 XXX X			

	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	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 (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	0.7 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																				

22.5 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	1.4 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																	

	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	0.7 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																	

***	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	3.4 4.1 4.7 5.4 6.1 6.8 13.5 20.3 27 33.8 40.5 47.3 54 60.8 67.5 XXX X																	

	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	1.7 2 2.4 2.7 3 3.4 6.8 10.1 13.5 16.9 20.3 23.6 27 30.4 33.8 50.6 67.5																	

22.5 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	3.8 4.5 5.3 6 6.8 7.5 8.3 9 9.8 10.5 11.3																	

*****	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	3.4 5.1 6.8 8.4 10.1 11.8 13.5 15.2 16.9																	

22.5 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		0.7	1.4	2	2.7	3.4	4.1	4.7	5.4	6.1	6.8				

***** 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		0.7	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		

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		1.7	3.4	5.1	6.8	8.4	10.1	11.8	13.5	15.2	16.9	18.6	20.3	21.9	23.6	25.3	27	28.7	30.4	32.1	33.8

22.5 KG DRIP CALCULATIONS CALCIUM CHLORIDE

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

CALCIUM CHLORIDE	(10 mg/ml)				
	Dosage: mg/kg/hour				
	1	2	3	4	5
ml/hr	2.3	4.5	6.8	9	11.3

CALCIUM CHLORIDE	(50 mg/ml)				
	Dosage: mg/kg/hour				
	1	2	3	4	5
ml/hr	0.5	0.9	1.4	1.8	2.3

22.5 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	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.5

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	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2	2.3

***** 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	1.1	2.3	3.4	4.5	5.6	6.8	7.9	9	10.1	11.3

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	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2	2.3