

Nasal Trumpet	14	Suction Catheters	6-8 Fr
Oral Airway	40	Nasogastric Tubes	8 Fr
Intubation Blades	Miller 1	Foley Size	6 Fr
Endotracheal Tubes	3.0-3.5	Chest Tubes	10 Fr

Cardioversion #1	0.5joules/kg	<u>1 J</u>	Defibrillation #1	2joules/kg	<u>5 J</u>
(synchronized) #2	1joules/kg	<u>3 J</u>	(asynchronized) #2	4joules/kg	<u>10 J</u>
#3	2joules/kg	<u>5 J</u>	#3	4joules/kg	<u>10 J</u>

ADENOSINE (3mg/ml) 100mcg/kg 100mcg x 2.5 kg = 250mcg = 0.08 MLS
3000mcg/ml

AMIODARONE (50 mg/ml) 5mg/kg 5mg x 2.5 kg = 12.5 mg = 0.25 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 2.5 kg = 0.05mg = 1 MLS
Minimum Dose: 0.1mg or 1ml / Maximum dose: 2 mg or 20 mls

CA. CHLORIDE 10% (100mg/ml) 20mg/kg 20mg x 2.5 kg = 50 mg = 0.5 MLS

EPINEPHRINE 1:10,000 (0.1mg/ml) 0.01mg/kg 0.01mg x 2.5 kg = 0.025mg = 0.25 MLS
(ALL IV DOSES, may increase dosage for pulseless rhythms)

EPINEPHRINE 1:1,000 (1mg/ml) 0.1mg/kg 0.1mg x 2.5 kg = 0.25mg = 0.25 MLS
(ALL ETT DOSES ONLY)

GLUCOSE--D25% (250mg/ml) 0.5gm/kg 0.5gm x 2.5 kg = 1.25 gm = 5 MLS

HCO3-8.4% (1meq/ml) 1meq/kg 1meq x 2.5 kg = 2.5 meq = 2.5 MLS

LIDOCAINE (20mg/ml) 1mg/kg 1mg x 2.5 kg = 2.5 mg = 0.13 MLS

MAGNESIUM (500mg/ml) 25mg/kg 25mg x 2.5 kg = 62.5 mg = 0.13 MLS

NALOXONE (NARCAN) (1mg/ml) 0.1mg/kg 0.1mg x 2.5 kg = 0.25 mg = 0.25 MLS

FLUMAZENIL (0.1mg/ml) 0.01mg/kg 0.01mg x 2.5 kg = 0.025mg = 0.25 MLS

DILANTIN (50mg/ml) 20mg/kg 20mg x 2.5 kg = 50 mg = 1 MLS

FENTANYL (50mcg/ml) 1mcg/kg 1mcg x 2.5 kg = 2.5 mcg = 0.05 MLS

KETAMINE (10mg/ml) 1mg/kg 1mg x 2.5 kg = 2.5 mg = 0.25 MLS

THIOPENTAL (25mg/ml) 2mg/kg 2mg x 2.5 kg = 5 mg = 0.2 MLS

VERSED (1mg/ml) 0.1mg/kg 0.1mg x 2.5 kg = 0.25 mg = 0.25 MLS

ROCURONIUM (10mg/ml) 1mg/kg 1mg x 2.5 kg = 2.5 mg = 0.25 MLS

VECURONIUM (dilute 10mg/vial) 0.1mg/kg 0.1mg x 2.5 kg = 0.25 mg = 0.25 MLS
(with 10 ml sterile water = 1mg/ml)

2.5 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	0.2 0.3 0.5 0.6 0.8 0.9 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																			
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	0.1 0.2 0.2 0.3 0.4 0.5 0.5 0.6 0.7 0.8 0.8 0.9 1 1 1.1 1.2 1.3 1.4 1.4 1.4 1.5																			
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	0.2 0.4 0.6 0.8 0.9 1.1 1.3 1.5 1.7 1.9 2.1 2.3 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8																			
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	0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.8 0.9 1 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9																			
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	0.1 0.1 0.1 0.2 0.2 0.3 0.3 0.4 0.4 0.5 0.5 0.6 0.6 0.7 0.7 0.8 0.8 0.8 0.9 0.9																			
*** 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	0.4 0.5 0.5 0.6 0.7 0.8 1.5 2.3 3 3.8 4.5 5.3 6 6.8 7.5 11.3 15																			
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	0.2 0.2 0.2 0.2 0.3 0.3 0.6 0.9 1.2 1.5 1.8 2.1 2.4 2.7 3 4.5 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	0.1 0.1 0.1 0.1 0.1 0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 2.3 3																			

2.5 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	0.2 0.3 0.4 0.5 0.5 0.6 0.7 0.8 0.8 0.9 1 1 1.1 1.2 1.3 1.4 1.4 1.5																

	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	0.1 0.2 0.2 0.2 0.3 0.3 0.3 0.4 0.4 0.5 0.5 0.5 0.6 0.6 0.6 0.7 0.7 0.7 0.8																

***	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	0.4 0.5 0.5 0.6 0.7 0.8 1.5 2.3 3 3.8 4.5 5.3 6 6.8 7.5 11.3 15																

	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	0.2 0.2 0.3 0.3 0.3 0.4 0.8 1.1 1.5 1.9 2.3 2.7 3 3.4 3.8 5.6 7.5																

2.5 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	0.4 0.5 0.6 0.7 0.9 0.8 0.9 1 1.1 1.2 1.3																	

*****	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	0.4 0.6 0.8 0.9 1.1 1.3 1.5 1.7 1.9																	

2.5 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	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8

***** 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	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.9	1	1.1	1.1	1.2

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	0.2	0.4	0.6	0.8	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.4	2.6	2.8	3	3.2	3.4	3.6	3.8

2.5 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	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5	2.3	3	3.8	4.5	5.3	6

2.5 KG DRIP CALCULATIONS CALCIUM CHLORIDE

*****	MEDICATION	(concentration)	*****							
	CALCIUM CHLORIDE	(10 mg/ml)								
		Dosage: mg/kg/hour								
			1	2	3	4	5			
	ml/hr		0.3	0.5	0.8	1	1.3			

	CALCIUM CHLORIDE	(50 mg/ml)								
		Dosage: mg/kg/hour								
			1	2	3	4	5			
	ml/hr		0.1	0.1	0.2	0.2	0.3			

2.5 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		0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5

	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		0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3

*****	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		0.1	0.3	0.4	0.5	0.6	0.8	0.9	1	1.2	1.3

	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		0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3