

WEIGHT 17.5 KG

Nasal Trumpet	22	Suction Catheters	10 Fr
Oral Airway	60-80	Nasogastric Tubes	12 Fr
Intubation Blades	Miller or Mac 2	Foley Size	10-12 Fr
Endotracheal Tubes	5.0	Chest Tubes	16 Fr

Cardioversion #1	0.5joules/kg	<u>9 J</u>	Defibrillation #1	2joules/kg	<u>30 J</u>
(synchronized) #2	1joules/kg	<u>20 J</u>	(asynchronized) #2	4joules/kg	<u>100 J</u>
#3	2joules/kg	<u>30 J</u>	#3	4joules/kg	<u>100 J</u>

ADENOSINE (3mg/ml) 100mcg/kg 100mcg x 17.5 kg = 1750mcg = 0.58 MLS
 3000mcg/ml

AMIODARONE (50 mg/ml) 5mg/kg 5mg x 17.5 kg = 87.5 mg = 1.75 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 17.5 kg = 0.35 mg = 3.5 MLS
 Minimum Dose: 0.1mg or 1ml / Maximum dose: 2 mg or 20 mls

CA. CHLORIDE 10% (100mg/ml) 20mg/kg 20mg x 17.5 kg = 350 mg = 3.5 MLS

EPINEPHRINE 1:10,000 (0.1mg/ml) 0.01mg/kg 0.01mg x 17.5 kg = 0.18 mg = 1.8 MLS
 (ALL IV DOSES, may increase dosage for pulseless rhythms)

EPINEPHRINE 1:1,000 (1mg/ml) 0.1mg/kg 0.1mg x 17.5 kg = 1.8 mg = 1.8 MLS
 (ALL ETT DOSES ONLY)

GLUCOSE--D25% (250mg/ml) 0.5gm/kg 0.5gm x 17.5 kg = 8.75 gm = 35 MLS

HCO3-8.4% (1meq/ml) 1meq/kg 1meq x 17.5 kg = 17.5meq = 18 MLS

LIDOCAINE (20mg/ml) 1mg/kg 1mg x 17.5 kg = 17.5 mg = 0.9 MLS

MAGNESIUM (500mg/ml) 25mg/kg 25mg x 17.5 kg = 437.5 mg = 0.9 MLS

NALOXONE (NARCAN) (1mg/ml) 0.1mg/kg 0.1mg x 17.5 kg = 1.8 mg = 1.8 MLS

FLUMAZENIL (0.1mg/ml) 0.01mg/kg 0.01mg x 17.5 kg = 0.18 mg = 1.8 MLS

DILANTIN (50mg/ml) 20mg/kg 20mg x 17.5 kg = 350 mg = 7 MLS

FENTANYL (50mcg/ml) 1mcg/kg 1mcg x 17.5 kg = 17.5mcg = 0.35 MLS

KETAMINE (10mg/ml) 1mg/kg 1mg x 17.5 kg = 17.5 mg = 1.75 MLS

THIOPENTAL (25mg/ml) 2mg/kg 2mg x 17.5 kg = 35 mg = 1.4 MLS

VERSED (1mg/ml) 0.1mg/kg 0.1mg x 17.5 kg = 1.8 mg = 1.8 MLS

ROCURONIUM (10mg/ml) 1mg/kg 1mg x 17.5 kg = 17.5 mg = 1.75 MLS

VECURONIUM (dilute 10mg/vial) 0.1mg/kg 0.1mg x 17.5 kg = 1.75 mg = 1.75 MLS
 (with 10 ml sterile water = 1mg/ml)

17.5 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	1.1 2.1 3.2 4.2 5.3 6.3 7.4 8.4 9.5 10.5 11.6 12.6 13.7 14.7 15.8 16.8 17.9 18.9 20 21																			

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	0.5 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																			

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	1.3 2.6 3.9 5.3 6.6 7.9 9.2 10.5 11.8 13.1 14.4 15.8 17.1 18.4 19.7 21 22.3 23.6 24.9 26.3																			

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	0.7 1.3 2 2.6 3.3 3.9 4.6 5.3 5.9 6.6 7.2 7.9 8.5 9.2 9.8 10.5 11.2 11.8 12.5 13.1																			

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	0.3 0.7 1 1.3 1.6 2 2.3 2.6 3 3.3 3.6 3.9 4.3 4.6 4.9 5.3 5.6 5.9 6.2 6.6																			

***	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			2.6 3.2 3.7 4.2 4.7 5.3 10.5 15.8 21 26.3 31.5 36.8 42 47.3 52.5 78.8 XX																	

	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			1.1 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 (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																			
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																		

17.5 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		1.1 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		
	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		0.5 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		
***	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		2.6 3.2 3.7 4.2	4.7	5.3	10.5	15.8	21	26.3	31.5	36.8	42	47.3	52.5	78.8	XX			
	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		1.3 1.6 1.8 2.1	2.4	2.6	5.3	7.9	10.5	13.1	15.8	18.4	21	23.6	26.3	39.4	52.5			

17.5 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		2.9 3.5 4.1 4.7 5.3 5.8 6.4 7 7.6 8.2 8.8																
*****	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		2.6 3.9 5.3 6.6 7.9 9.2 10.5 11.8 13.1																

17.5 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	0.5	1.1	1.6	2.1	2.6	3.2	3.7	4.2	4.7	5.3

***** 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	0.5	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

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	1.3	2.6	3.9	5.3	6.6	7.9	9.2	10.5	11.8	13.1	14.4	15.8	17.1	18.4	19.7	21	22.3	23.6	24.9	26.3

17.5 KG DRIP CALCULATIONS CALCIUM CHLORIDE

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

CALCIUM CHLORIDE	(10 mg/ml)				
	Dosage: mg/kg/hour				
	1	2	3	4	5
ml/hr	1.8	3.5	5.3	7	8.8

CALCIUM CHLORIDE	(50 mg/ml)				
	Dosage: mg/kg/hour				
	1	2	3	4	5
ml/hr	0.4	0.7	1.1	1.4	1.8

17.5 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	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.2	3.5

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	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.8

***** 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	0.9	1.8	2.6	3.5	4.4	5.3	6.1	7	7.9	8.8

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	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.8