

Nasal Trumpet	26	Suction Catheters	12-14 Fr
Oral Airway	80	Nasogastric Tubes	14 Fr
Intubation Blades	Miller or Mac 3	Foley Size	12 Fr
Endotracheal Tubes	6.0-6.5 Cuffed	Chest Tubes	20 Fr

Cardioversion #1	0.5joules/kg	<u>20J</u>	Defibrillation #1	2joules/kg	<u>100J</u>
(synchronized) #2	1joules/kg	<u>50J</u>	(asynchronized) #2	4joules/kg	<u>200J</u>
#3	2joules/kg	<u>100J</u>	#3	4joules/kg	<u>200J</u>

ADENOSINE (3mg/ml) 100mcg/kg 100mcg x 40 kg = 4000mcg = 1.33 MLS
 3000mcg/ml

AMIODARONE (50 mg/ml) 5mg/kg 5mg x 40 kg=200 mg (Max dose=150mg) = 3 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 40 kg = 0.8 mg = 8 MLS
 Minimum Dose: 0.1mg or 1ml / Maximum dose: 2 mg or 20 mls

CA. CHLORIDE 10% (100mg/ml) 20mg/kg 20mg x 40 kg = 800 mg = 8 MLS

EPINEPHRINE 1:10,000 (0.1mg/ml) 0.01mg/kg 0.01mg x 40 kg = 0.4mg = 4 MLS
 (ALL IV DOSES, may increase dosage for pulseless rhythms)

EPINEPHRINE 1:1,000 (1mg/ml) 0.1mg/kg 0.1mg x 40 kg = 4 mg = 4 MLS
 (ALL ETT DOSES ONLY)

GLUCOSE--D50% (500mg/ml) 0.5gm/kg 0.5gm x 40 kg = 20 gms = 40 MLS

HCO3-8.4% (1meq/ml) 1meq/kg 1meq x 40 kg = 40 meq = 40 MLS

LIDOCAINE (20mg/ml) 1mg/kg 1mg x 40 kg = 40 mg = 2 MLS

MAGNESIUM (500mg/ml) 25mg/kg 25mg x 40 kg = 1 gm = 2 MLS

NALOXONE (NARCAN) (1mg/ml) 0.1mg/kg 0.1mg x 40 kg = 4 mg = 4 MLS

FLUMAZENIL (0.1mg/ml) 0.01mg/kg 0.01mg x 40 kg = 0.4 mg = 4 MLS

DILANTIN (50mg/ml) 20mg/kg 20mg x 40 kg = 800 mg = 16 MLS

FENTANYL (50mcg/ml) 1mcg/kg 1mcg x 40 kg = 40 mcg = 0.8 MLS

KETAMINE (10mg/ml) 1mg/kg 1mg x 40 kg = 40 mg = 4 MLS

THIOPENTAL (25mg/ml) 2mg/kg 2mg x 40 kg = 80 mg = 3.2 MLS

VERSED (1mg/ml) 0.1mg/kg 0.1mg x 40 kg = 4 mg = 4 MLS

ROCURONIUM (10mg/ml) 1mg/kg 1mg x 40 kg = 40 mg = 4 MLS

VECURONIUM (dilute 10mg/vial) 0.1mg/kg 0.1mg x 40 kg = 4 mg = 4 MLS
 (with 10 ml sterile water = 1mg/ml)

40 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		2.4	4.8	7.2	9.6	12	14.4	16.8	19.2	21.6	24	26.4	28.8	31.2	33.6	36	38.4	40.8	43.2	45.6	48
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		1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	18	19.2	20.4	21.6	22.8	24
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		3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60
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		1.5	3	4.5	6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21	22.5	24	25.5	27	28.5	30
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		0.8	1.5	2.3	3	3.8	4.5	5.3	6	6.8	7.5	8.3	9	9.8	10.5	11.3	12	12.8	13.5	14.3	15
***	MEDICATION	*****																			
	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		6	7.2	8.4	9.6	10.8	12	24	36	48	60	72	84	96	108	120	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		2.4	2.9	3.4	3.8	4.3	4.8	9.6	14.4	19.2	24	28.8	33.6	38.4	43.2	48	72	96			
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		1.2	1.4	1.7	1.9	2.2	2.4	4.8	7.2	9.6	12	14.4	16.8	19.2	21.6	24	36	48			

40 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		2.4 4.8 6 7.2 8.4 9.6 10.8 12 13.2 14.4 15.6 16.8 18 19.2 20.4 21.6 22.8 24																	

	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		1.2 2.4 3 3.6 4.2 4.8 5.4 6 6.6 7.2 7.8 8.4 9 9.6 10.2 10.8 11.4 12																	

***	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		6 7.2 8.4 9.6 10.8 12 24 36 48 60 72 84 96 108 120 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		3 3.6 4.2 4.8 5.4 6 12 18 24 30 36 42 48 54 60 90 120																	

40 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		6.7 8 9.3 10.7 12 13.3 14.7 16 17.3 18.7 20																	

*****	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		6 9 12 15 18 21 24 27 30																	

40 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	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	

***** 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	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	18	19.2

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	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60

40 KG DRIP CALCULATIONS CALCIUM CHLORIDE

*****	MEDICATION	(concentration)	*****									
	CALCIUM CHLORIDE	(10 mg/ml)										
		Dosage: mg/kg/hour										
			1	2	3	4	5					
ml/hr			4	8	12	16	20					

	CALCIUM CHLORIDE	(50 mg/ml)										
		Dosage: mg/kg/hour										
			1	2	3	4	5					
ml/hr			0.8	1.6	2.4	3.2	4					

40 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			0.8	1.6	2.4	3.2	4	4.8	5.6	6.4	7.2	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			0.4	0.8	1.2	1.6	2	2.4	2.8	3.2	3.6	4

*****	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			2	4	6	8	10	12	14	16	18	20

	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			0.4	0.8	1.2	1.6	2	2.4	2.8	3.2	3.6	4