

Nasal Trumpet	18-22	Suction Catheters	8 Fr
Oral Airway	60	Nasogastric Tubes	10 Fr
Intubation Blades	Miller or Mac 2	Foley Size	10-12 Fr
Endotracheal Tubes	4.5-5.0	Chest Tubes	16 Fr

<b>Cardioversion #1</b>	0.5joules/kg	<u>8 J</u>	<b>Defibrillation #1</b>	2joules/kg	<u>30 J</u>
(synchronized) #2	1joules/kg	<u>20 J</u>	(asynchronous) #2	4joules/kg	<u>50 J</u>
#3	2joules/kg	<u>30 J</u>	#3	4joules/kg	<u>50 J</u>

**ADENOSINE** (3mg/ml) 100mcg/kg 100mcg x 15 kg = 1500mcg = 0.5 MLS  
3000mcg/ml

**AMIODARONE** (50 mg/ml) 5mg/kg 5mg x 15 kg = 75 mg = 1.5 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 15 kg = 0.3 mg = 3 MLS  
Minimum Dose: 0.1mg or 1ml / Maximum dose: 2 mg or 20 mls

**CA. CHLORIDE 10%** (100mg/ml) 20mg/kg 20mg x 15 kg = 300 mg = 3 MLS

**EPINEPHRINE 1:10,000** (0.1mg/ml) 0.01mg/kg 0.01mg x 15 kg = 0.15 mg = 1.5 MLS  
(ALL IV DOSES, may increase dosage for pulseless rhythms)

**EPINEPHRINE 1:1,000** (1mg/ml) 0.1mg/kg 0.1mg x 15 kg = 1.5 mg = 1.5 MLS  
(ALL ETT DOSES ONLY)

**GLUCOSE--D25%** (250mg/ml) 0.5gm/kg 0.5gm x 15 kg = 7.5 gm = 30 MLS

**HCO<sub>3</sub>-8.4%** (1meq/ml) 1meq/kg 1meq x 15 kg = 15 meq = 15 MLS

**LIDOCAINE** (20mg/ml) 1mg/kg 1mg x 15 kg = 15 mg = 0.75 MLS

**MAGNESIUM** (500mg/ml) 25mg/kg 25mg x 15 kg = 375 mg = 0.75 MLS

**NALOXONE (NARCAN)** (1mg/ml) 0.1mg/kg 0.1mg x 15 kg = 1.5 mg = 1.5 MLS

**FLUMAZENIL** (0.1mg/ml) 0.01mg/kg 0.01mg x 15 kg = 0.15 mg = 1.5 MLS

**DILANTIN** (50mg/ml) 20mg/kg 20mg x 15 kg = 300 mg = 6 MLS

**FENTANYL** (50mcg/ml) 1mcg/kg 1mcg x 15 kg = 15 mcg = 0.3 MLS

**KETAMINE** (10mg/ml) 1mg/kg 1mg x 15 kg = 15 mg = 1.5 MLS

**THIOPENTAL** (25mg/ml) 2mg/kg 2mg x 15 kg = 30 mg = 1.2 MLS

**VERSED** (1mg/ml) 0.1mg/kg 0.1mg x 15 kg = 1.5 mg = 1.5 MLS

**ROCURONIUM** (10mg/ml) 1mg/kg 1mg x 15 kg = 15 mg = 1.5 MLS

**VECURIONIUM** (dilute 10mg/vial) 0.1mg/kg 0.1mg x 15 kg = 1.5 mg = 1.5 MLS  
(with 10 ml sterile water = 1mg/ml)

**15 KG DRIP CALCULATIONS VASOCONSTRICTOR / INOTROPIC MEDICATIONS**

<b>MEDICATION (concentration)</b>		*****																			
<b>DOBUTAMINE (1 mg/ml)</b>		<b>(Premixed bag = 250 mg/250 ml D5W)</b>																			
<b>Dosage: mcg/kg/min</b>																					
	<b>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20</b>																				
ml/hr	0.9 1.8 2.7 3.6 4.5 5.4 6.3 7.2 8.1 9 9.9 10.8 11.7 12.6 13.5 14.4 15.3 16.2 17.1 18																				

<b>DOBUTAMINE (2 mg/ml)</b>		<b>*** In a Code 99 situation, this concentration is in the crash cart in a pre-mixed IV bag. ***</b>																			
<b>Dosage: mcg/kg/min</b>		<b>(Premixed bag = 500 mg/250 ml D5W)</b>																			
	<b>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20</b>																				
ml/hr	0.5 0.9 1.4 1.8 2.3 2.7 3.2 3.6 4.1 4.5 5 5.4 5.9 6.3 6.8 7.2 7.7 8.1 8.6 9																				

<b>MEDICATION (concentration)</b>		*****																			
<b>DOPAMINE (0.8 mg/ml)</b>		<b>(Premixed bag = 200 mg/250 ml D5W)</b>																			
<b>Dosage: mcg/kg/min</b>																					
	<b>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20</b>																				
ml/hr	1.1 2.3 3.4 4.5 5.6 6.8 7.9 9 10.1 11.3 12.4 13.5 14.6 15.8 16.9 18 19.1 20.3 21.4 22.5																				

<b>DOPAMINE (1.6 mg/ml)</b>		<b>*** In a Code 99 situation, this concentration is in the crash cart in a pre-mixed IV bag. ***</b>																			
<b>Dosage: mcg/kg/min</b>		<b>(Premixed bag = 400 mg/250 ml D5W)</b>																			
	<b>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20</b>																				
ml/hr	0.6 1.1 1.7 2.3 2.8 3.4 3.9 4.5 5.1 5.6 6.2 6.8 7.3 7.9 8.4 9 9.6 10.1 10.7 11.3																				

<b>DOPAMINE (3.2 mg/ml)</b>		<b>(Premixed bag = 800 mg/250 ml D5W)</b>																			
<b>Dosage: mcg/kg/min</b>																					
	<b>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20</b>																				
ml/hr	0.3 0.6 0.8 1.1 1.4 1.7 2 2.3 2.5 2.8 3.1 3.4 3.7 3.9 4.2 4.5 4.8 5.1 5.3 5.6																				

<b>*** MEDICATION ***** (concentration) *****</b>																					
<b>EPINEPHRINE / ISOPROTERENOL / PHENYLEPHRINE (0.02 mg/ml)</b>																					
<b>Dosage: mcg/kg/min</b>																					
	<b>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</b>																				
ml/hr	2.3 2.7 3.2 3.6 4.1 4.5 9 13.5 18 22.5 27 31.5 36 40.5 45 67.5 90																				

<b>EPINEPHRINE / ISOPROTERENOL / PHENYLEPHRINE (0.05 mg/ml)</b>																					
<b>Dosage: mcg/kg/min</b>																					
	<b>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</b>																				
ml/hr	0.9 1.1 1.3 1.4 1.6 1.8 3.6 5.4 7.2 9 10.8 12.6 14.4 16.2 18 27 36																				

<b>EPINEPHRINE (0.1 mg/ml)</b>		<b>** 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. **</b>																			
<b>Dosage: mcg/kg/min</b>																					
	<b>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</b>																				
ml/hr	0.5 0.5 0.6 0.7 0.8 0.9 1.8 2.7 3.6 4.5 5.4 6.3 7.2 8.1 9 13.5 18																				

**15 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	0.9 1.8 2.3 2.7 3.2 3.6 4.1 4.5 5 5.4 5.9 6.3 6.8 7.2 7.7 8.1 8.6 9																	

	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 0.9 1.1 1.4 1.6 1.8 2 2.3 2.5 2.7 2.9 3.2 3.4 3.6 3.8 4.1 4.3 4.5																	

***	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	2.3 2.7 3.2 3.6 4.1 4.5 9 13.5 18 22.5 27 31.5 36 40.5 45 67.5 90																	

	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	1.1 1.4 1.6 1.8 2 2.3 4.5 6.8 9 11.3 13.5 15.8 18 20.3 22.5 33.8 45																	

**15 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	2.5 3 3.5 4 4.5 5 5.5 6 6.5 7 7.5																	

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

15 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	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.5

\*\*\*\*\* 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	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.5	5	5.4	5.9	6.3	6.8	7.2

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		1.1	2.3	3.4	4.5	5.6	6.8	7.9	9	10.1	11.3	12.4	13.5	14.6	15.8	16.9	18	19.1	20.3	21.4	22.5

15 KG DRIP CALCULATIONS CALCIUM CHLORIDE

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

CALCIUM CHLORIDE	(10 mg/ml)								
	Dosage: mg/kg/hour								
		1	2	3	4	5			
ml/hr		1.5	3	4.5	6	7.5			

CALCIUM CHLORIDE	(50 mg/ml)								
	Dosage: mg/kg/hour								
		1	2	3	4	5			
ml/hr		0.3	0.6	0.9	1.2	1.5			

15 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		0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3

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	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5

\*\*\*\*\* 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		0.8	1.5	2.3	3	3.8	4.5	5.3	6	6.8	7.5

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		0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5