

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	Chest Tubes	16 Fr

<b>Cardioversion #1</b>	0.5joules/kg	<u>7 J</u>	<b>Defibrillation #1</b>	2joules/kg	<u>30 J</u>
(synchronized) #2	1joules/kg	<u>10 J</u>	(asynchronized) #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 14 kg = 1400mcg = 0.47 MLS  
3000mcg/ml

AMIODARONE (50 mg/ml) 5mg/kg 5mg x 14 kg = 70 mg = 1.4 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 14 kg = 0.28 mg = 2.8 MLS  
Minimum Dose: 0.1mg or 1ml / Maximum dose: 2 mg or 20 mls

CA. CHLORIDE 10% (100mg/ml) 20mg/kg 20mg x 14 kg = 280 mg = 2.8 MLS

EPINEPHRINE 1:10,000 (0.1mg/ml) 0.01mg/kg 0.01mg x 14 kg = 0.14 mg = 1.4 MLS  
(ALL IV DOSES, may increase dosage for pulseless rhythms)

EPINEPHRINE 1:1,000 (1mg/ml) 0.1mg/kg 0.1mg x 14 kg = 1.4 mg = 1.4 MLS  
(ALL ETT DOSES ONLY)

GLUCOSE-D25% (250mg/ml) 0.5gm/kg 0.5gm x 14 kg = 7 gm = 28 MLS

HCO3-8.4% (1meq/ml) 1meq/kg 1meq x 14 kg = 14 meq = 14 MLS

LIDOCAINE (20mg/ml) 1mg/kg 1mg x 14 kg = 14 mg = 0.7 MLS

MAGNESIUM (500mg/ml) 25mg/kg 25mg x 14 kg = 350 mg = 0.7 MLS

NALOXONE (NARCAN) (1mg/ml) 0.1mg/kg 0.1mg x 14 kg = 1.4 mg = 1.4 MLS

FLUMAZENIL (0.1mg/ml) 0.01mg/kg 0.01mg x 14 kg = 0.14 mg = 1.4 MLS

DILANTIN (50mg/ml) 20mg/kg 20mg x 14 kg = 280 mg = 5.6 MLS

FENTANYL (50mcg/ml) 1mcg/kg 1mcg x 14 kg = 14 mcg = 0.28 MLS

KETAMINE (10mg/ml) 1mg/kg 1mg x 14 kg = 14 mg = 1.4 MLS

THIOPENTAL (25mg/ml) 2mg/kg 2mg x 14 kg = 28 mg = 1.12MLS

VERSED (1mg/ml) 0.1mg/kg 0.1mg x 14 kg = 1.4 mg = 1.4 MLS

ROCURONIUM (10mg/ml) 1mg/kg 1mg x 14 kg = 14 mg = 1.4 MLS

VECURONIUM (dilute 10mg/vial) 0.1mg/kg 0.1mg x 14 kg = 1.4 mg = 1.4 MLS  
(with 10 ml sterile water = 1mg/ml)

**14 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>																		
Dosage: mcg/kg/min																				
ml/hr	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	0.8	1.7	2.5	3.4	4.2	5	5.9	6.7	7.6	8.4	9.2	10.1	10.9	11.8	12.6	13.4	14.3	15.1	16	16.8
<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>																		
Dosage: mcg/kg/min		<b>(Premixed bag = 500 mg/250 ml D5W)</b>																		
ml/hr	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.4	3.8	4.2	4.6	5	5.5	5.9	6.3	6.7	7.1	7.6	8	8.4
<b>MEDICATION (concentration) *****</b>																				
<b>DOPAMINE (0.8 mg/ml)</b>		<b>(Premixed bag = 200 mg/250 ml D5W)</b>																		
Dosage: mcg/kg/min																				
ml/hr	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	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
<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>																		
Dosage: mcg/kg/min		<b>(Premixed bag = 400 mg/250 ml D5W)</b>																		
ml/hr	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	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
<b>DOPAMINE (3.2 mg/ml)</b>		<b>(Premixed bag = 800 mg/250 ml D5W)</b>																		
Dosage: mcg/kg/min																				
ml/hr	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	0.3	0.5	0.8	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
<b>*** MEDICATION ***** (concentration) *****</b>																				
<b>EPINEPHRINE / ISOPROTERENOL / PHENYLEPHRINE</b>		<b>(0.02 mg/ml)</b>																		
Dosage: mcg/kg/min																				
ml/hr	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			
	2.1	2.5	2.9	3.4	3.8	4.2	8.4	12.6	16.8	21	25.2	29.4	33.6	37.8	42	63	84			
<b>EPINEPHRINE / ISOPROTERENOL / PHENYLEPHRINE</b>		<b>(0.05 mg/ml)</b>																		
Dosage: mcg/kg/min																				
ml/hr	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			
	0.8	1	1.2	1.3	1.5	1.7	3.4	5	6.7	8.4	10.1	11.8	13.4	15.1	16.8	25.2	33.6			
<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>																		
Dosage: mcg/kg/min																				
ml/hr	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			
	0.4	0.5	0.6	0.7	0.8	0.8	1.7	2.5	3.4	4.2	5	5.9	6.7	7.6	8.4	12.6	16.8			

14 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	0.8	1.7	2.1	2.5	2.9	3.4	3.8	4.2	4.6	5	5.5	5.9	6.3	6.7	7.1	7.6	8	8.4

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	0.4	0.8	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9	3.2	3.4	3.6	3.8	4	4.2

\*\*\* 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	2.1	2.5	2.9	3.4	3.8	4.2	8.4	12.6	16.8	21	25.2	29.4	33.6	37.8	42	63	84

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	1.3	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

14 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	2.3	2.8	3.3	3.7	4.2	4.7	5.1	5.6	6.1	6.5	7

\*\*\*\*\* 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	2.1	3.2	4.2	5.3	6.3	7.4	8.4	9.5	10.5

14 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		0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.4	3.8	4.2

\*\*\*\*\* 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		0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.4	3.8	4.2	4.6	5	5.5	5.9	6.3	6.7

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	2.1	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

**14 KG DRIP CALCULATIONS CALCIUM CHLORIDE**

---

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

**CALCIUM CHLORIDE** (10 mg/ml)  
**Dosage: mg/kg/hour**

	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
ml/hr	1.4	2.8	4.2	5.6	7

---

**CALCIUM CHLORIDE** (50 mg/ml)  
**Dosage: mg/kg/hour**

	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
ml/hr	0.3	0.6	0.8	1.1	1.4

---

**14 KG DRIP CALCULATIONS FENTANYL AND VERSED**

---

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

**FENTANYL** (25 mcg/ml = 0.025 mg/ml)  
**Dosage: mcg/kg/hour**

	<b>0.5</b>	<b>1</b>	<b>1.5</b>	<b>2</b>	<b>2.5</b>	<b>3</b>	<b>3.5</b>	<b>4</b>	<b>4.5</b>	<b>5</b>
ml/hr	0.3	0.6	0.8	1.1	1.4	1.7	2	2.2	2.5	2.8

---

**FENTANYL** (50 mcg/ml = 0.05 mg/ml)  
**Dosage: mcg/kg/hour**

	<b>0.5</b>	<b>1</b>	<b>1.5</b>	<b>2</b>	<b>2.5</b>	<b>3</b>	<b>3.5</b>	<b>4</b>	<b>4.5</b>	<b>5</b>
ml/hr	0.1	0.3	0.4	0.6	0.7	0.8	1	1.1	1.3	1.4

---



---

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

**VERSED** (1 mg/ml)  
**Dosage: mg/kg/hour**

	<b>0.05</b>	<b>0.1</b>	<b>0.15</b>	<b>0.2</b>	<b>0.25</b>	<b>0.3</b>	<b>0.35</b>	<b>0.4</b>	<b>0.45</b>	<b>0.5</b>
ml/hr	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3	7

---

**VERSED** (5 mg/ml)  
**Dosage: mg/kg/hour**

	<b>0.05</b>	<b>0.1</b>	<b>0.15</b>	<b>0.2</b>	<b>0.25</b>	<b>0.3</b>	<b>0.35</b>	<b>0.4</b>	<b>0.45</b>	<b>0.5</b>
ml/hr	0.1	0.3	0.4	0.6	0.7	0.8	1	1.1	1.3	1.4

---