

| | | | |
|--------------------|-----------------|-------------------|----------|
| 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 | 4.0-4.5 | Chest Tubes | 12-16 Fr |

| | | | | | |
|-------------------------|--------------|-------------|--------------------------|------------|-------------|
| Cardioversion #1 | 0.5joules/kg | <u>7 J</u> | Defibrillation #1 | 2joules/kg | <u>30 J</u> |
| (synchronized) #2 | 1joules/kg | <u>20 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 13 kg = 1300mcg = 0.43 MLS
3000mcg/ml

AMIODARONE (50 mg/ml) 5mg/kg 5mg x 13 kg = 65 mg = 1.3 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 13 kg = 0.26 mg = 2.6 MLS
Minimum Dose: 0.1mg or 1ml / Maximum dose: 2 mg or 20 mls

CA. CHLORIDE 10% (100mg/ml) 20mg/kg 20mg x 13 kg = 260 mg = 2.6 MLS

EPINEPHRINE 1:10,000 (0.1mg/ml) 0.01mg/kg 0.01mg x 13 kg = 0.13 mg = 1.3 MLS
(ALL IV DOSES, may increase dosage for pulseless rhythms)

EPINEPHRINE 1:1,000 (1mg/ml) 0.1mg/kg 0.1mg x 13 kg = 1.3 mg = 1.3 MLS
(ALL ETT DOSES ONLY)

GLUCOSE--D25% (250mg/ml) 0.5gm/kg 0.5gm x 13 kg = 6.5 gm = 26 MLS

HCO3-8.4% (1meq/ml) 1meq/kg 1meq x 13 kg = 13 meq = 13 MLS

LIDOCAINE (20mg/ml) 1mg/kg 1mg x 13 kg = 13 mg = 0.65 MLS

MAGNESIUM (500mg/ml) 25mg/kg 25mg x 13 kg = 325 mg = 0.65 MLS

NALOXONE (NARCAN) (1mg/ml) 0.1mg/kg 0.1mg x 13 kg = 1.3 mg = 1.3 MLS

FLUMAZENIL (0.1mg/ml) 0.01mg/kg 0.01mg x 13 kg = 0.13 mg = 1.3 MLS

DILANTIN (50mg/ml) 20mg/kg 20mg x 13 kg = 260 mg = 5.2 MLS

FENTANYL (50mcg/ml) 1mcg/kg 1mcg x 13 kg = 13 mcg = 0.26 MLS

KETAMINE (10mg/ml) 1mg/kg 1mg x 13 kg = 13 mg = 1.3 MLS

THIOPENTAL (25mg/ml) 2mg/kg 2mg x 13 kg = 26 mg = 1 MLS

VERSED (1mg/ml) 0.1mg/kg 0.1mg x 13 kg = 1.3 mg = 1.3 MLS

ROCURONIUM (10mg/ml) 1mg/kg 1mg x 13 kg = 13 mg = 1.3 MLS

VECURONIUM (dilute 10mg/vial) 0.1mg/kg 0.1mg x 13 kg = 1.3 mg = 1.3 MLS
(with 10 ml sterile water = 1mg/ml)

13 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 | 0.8 | 1.6 | 2.3 | 3.1 | 3.9 | 4.7 | 5.5 | 6.2 | 7 | 7.8 | 8.6 | 9.4 | 10.1 | 10.9 | 11.7 | 12.5 | 13.3 | 14 | 14.8 | 15.6 |

| | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-----|---|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|
| 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 | 0.4 | 0.8 | 1.2 | 1.6 | 2 | 2.3 | 2.7 | 3.1 | 3.5 | 3.9 | 4.3 | 4.7 | 5.1 | 5.5 | 5.9 | 6.2 | 6.6 | 7 | 7.4 | 7.8 |

| 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 | 2 | 2.9 | 3.9 | 4.9 | 5.9 | 6.8 | 7.8 | 8.8 | 9.8 | 10.7 | 11.7 | 12.7 | 13.7 | 14.6 | 15.6 | 16.6 | 17.6 | 18.5 | 19.5 |

| | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-----|---|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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 | 0.5 | 1 | 1.5 | 2 | 2.4 | 2.9 | 3.4 | 3.9 | 4.4 | 4.9 | 5.4 | 5.9 | 6.3 | 6.8 | 7.3 | 7.8 | 8.3 | 8.8 | 9.3 | 9.8 |

| | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-----|---|-----|---|-----|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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 | 0.2 | 0.5 | 0.7 | 1 | 1.2 | 1.5 | 1.7 | 2 | 2.2 | 2.4 | 2.7 | 2.9 | 3.2 | 3.4 | 3.7 | 3.9 | 4.1 | 4.4 | 4.6 | 4.9 |

| *** | 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 | 2 | 2.3 | 2.7 | 3.1 | 3.5 | 3.9 | 7.8 | 11.7 | 15.6 | 19.5 | 23.4 | 27.3 | 31.2 | 35.1 | 39 | 58.5 | 78 | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|--|------|---------------------|------|------|------|-----|-----|-----|-----|-----|-----|------|------|-----|------|------|------|--|--|--|
| 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 | 0.8 | 0.9 | 1.1 | 1.3 | 1.4 | 1.6 | 3.1 | 4.7 | 6.2 | 7.8 | 9.4 | 10.9 | 12.5 | 14 | 15.6 | 23.4 | 31.2 | | | |

| | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|------|---|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|--|--|--|
| 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 | 0.4 | 0.5 | 0.5 | 0.6 | 0.7 | 0.8 | 1.6 | 2.3 | 3.1 | 3.9 | 4.7 | 5.5 | 6.2 | 7 | 7.8 | 11.7 | 15.6 | | | |

13 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 1.6 2 2.3 | 2.7 | 3.1 | 3.5 | 3.9 | 4.3 | 4.7 | 5.1 | 5.5 | 5.9 | 6.2 | 6.6 | 7 | 7.4 | 7.8 | | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|-----------|--------------------|-----------------------------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|--|--|--|
| | 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 1.2 | 1.4 | 1.6 | 1.8 | 2 | 2.1 | 2.3 | 2.5 | 2.7 | 2.9 | 3.1 | 3.3 | 3.5 | 3.7 | 3.9 | | | |

| *** | 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 2.3 2.7 3.1 | 3.5 | 3.9 | 7.8 | 11.7 | 15.6 | 19.5 | 23.4 | 27.3 | 31.2 | 35.1 | 39 | 58.5 | 78 | | | | |

| | | | | | | | | | | | | | | | | | | | |
|-------|----------------|---------------------|------|-----|-----|-----|-----|-----|------|------|------|------|------|------|----|--|--|--|--|
| | 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 1.2 1.4 1.6 | 1.8 | 2 | 3.9 | 5.9 | 7.8 | 9.8 | 11.7 | 13.7 | 15.6 | 17.6 | 19.5 | 29.3 | 39 | | | | |

13 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 | | 2.2 2.6 3 3.5 3.9 4.3 4.8 5.2 5.6 6.1 6.5 | | | | | | | | | | | | | | | | | |

| ***** | 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 2.9 3.9 4.9 5.9 6.8 7.8 8.8 9.8 | | | | | | | | | | | | | | | | | |

13 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 | 1.2 | 1.6 | 2 | 2.3 | 2.7 | 3.1 | 3.5 | 3.9 |

***** 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 | 1.2 | 1.6 | 2 | 2.3 | 2.7 | 3.1 | 3.5 | 3.9 | 4.3 | 4.7 | 5.1 | 5.5 | 5.9 | 6.2 |

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 | 2 | 2.9 | 3.9 | 4.9 | 5.9 | 6.8 | 7.8 | 8.8 | 9.8 | 10.7 | 11.7 | 12.7 | 13.7 | 14.6 | 15.6 | 16.6 | 17.6 | 18.5 | 19.5 |

13 KG DRIP CALCULATIONS CALCIUM CHLORIDE

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

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

| | | | | | |
|-------|-----|-----|-----|-----|-----|
| | 1 | 2 | 3 | 4 | 5 |
| ml/hr | 1.3 | 2.6 | 3.9 | 5.2 | 6.5 |

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

| | | | | | |
|-------|-----|-----|-----|---|-----|
| | 1 | 2 | 3 | 4 | 5 |
| ml/hr | 0.3 | 0.5 | 0.8 | 1 | 1.3 |

13 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 | 0.5 | 0.8 | 1 | 1.3 | 1.6 | 1.8 | 2.1 | 2.3 | 2.6 |

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 | 0.3 | 0.4 | 0.5 | 0.7 | 0.8 | 0.9 | 1 | 1.2 | 1.3 |

***** 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 | 0.7 | 1.3 | 2 | 2.6 | 3.3 | 3.9 | 4.6 | 5.2 | 5.9 | 6.5 |

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 | 0.1 | 0.3 | 0.4 | 0.5 | 0.7 | 0.8 | 0.9 | 1 | 1.2 | 1.3 |
