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|--------------------|-----------|-------------------|--------|
| Nasal Trumpet | 14 | Suction Catheters | 6 Fr |
| Oral Airway | 40 | Nasogastric Tubes | 8 Fr |
| Intubation Blades | Miller 1 | Foley Size | 6-8 Fr |
| Endotracheal Tubes | 2.5 - 3.0 | Chest Tubes | 10 Fr |

| | | | | | |
|-------------------------|--------------|------------|--------------------------|------------|------------|
| Cardioversion #1 | 0.5joules/kg | <u>1 J</u> | Defibrillation #1 | 2joules/kg | <u>4 J</u> |
| (synchronized) #2 | 1joules/kg | <u>2 J</u> | (asynchronized) #2 | 4joules/kg | <u>8 J</u> |
| #3 | 2joules/kg | <u>4 J</u> | #3 | 4joules/kg | <u>8 J</u> |

ADENOSINE (3mg/ml) 100mcg/kg 100mcg x 2 kg = 200 mcg = 0.07 MLS
3000mcg/ml

AMIODARONE (50 mg/ml) 5mg/kg 5mg x 2 kg = 10 mg = 0.2 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 2 kg = 0.04 mg = 1 MLS
Minimum Dose: 0.1mg or 1ml / Maximum dose: 2 mg or 20 mls

CA. CHLORIDE 10% (100mg/ml) 20mg/kg 20mg x 2 kg = 40 mg = 0.4 MLS

EPINEPHRINE 1:10,000 (0.1mg/ml) 0.01mg/kg 0.01mg x 2 kg = 0.02 mg = 0.2 MLS
(ALL IV DOSES, may increase dosage for pulseless rhythms)

EPINEPHRINE 1:1,000 (1mg/ml) 0.1mg/kg 0.1mg x 2 kg = 0.2 mg = 0.2 MLS
(ALL ETT DOSES ONLY)

GLUCOSE--D25% (250mg/ml) 0.5gm/kg 0.5gm x 2 kg = 1 gm = 4 MLS

HCO3-8.4% (1meq/ml) 1meq/kg 1meq x 2 kg = 2 meq = 2 MLS

LIDOCAINE (20mg/1ml) 1mg/kg 1mg x 2 kg = 2 mg = 0.1 MLS

MAGNESIUM (500mg/ml) 25mg/kg 25mg x 2 kg = 50 mg = 0.1 MLS

NALOXONE (NARCAN) (1mg/ml) 0.1mg/kg 0.1mg x 2 kg = 0.2 mg = 0.2 MLS

FLUMAZENIL (0.1mg/ml) 0.01mg/kg 0.01mg x 2 kg = 0.02 mg = 0.2 MLS

DILANTIN (50mg/ml) 20mg/kg 20mg x 2 kg = 40 mg = 0.8 MLS

FENTANYL (50mcg/ml) 1mcg/kg 1mcg x 2 kg = 2 mcg = 0.04 MLS

KETAMINE (10mg/ml) 1mg/kg 1mg x 2 kg = 2 mg = 0.2 MLS

THIOPENTAL (25mg/ml) 2mg/kg 2mg x 2 kg = 4 mg = 0.16 MLS

VERSED (1mg/ml) 0.1mg/kg 0.1mg x 2 kg = 0.2 mg = 0.2 MLS

ROCURONIUM (10mg/ml) 1mg/kg 1mg x 2 kg = 2 mg = 0.2 MLS

VECURONIUM (dilute 10mg/vial) 0.1mg/kg 0.1mg x 2 kg = 0.2 mg = 0.2 MLS
(with 10 ml sterile water = 1mg/ml)

2 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 | 0.1 0.2 0.4 0.5 | 0.6 | 0.7 | 0.8 | 1 | 1.1 | 1.2 | 1.3 | 1.4 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.2 | 2.3 | 2.4 | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----------------------|-----------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|--|--|--|
| 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 | 0.1 0.1 0.2 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 | 0.7 | 0.7 | 0.8 | 0.8 | 0.9 | 1 | 1 | 1.1 | 1.1 | 1.2 | | | |

| 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 | 0.2 0.3 0.5 0.6 | 0.8 | 0.9 | 1 | 1.2 | 1.4 | 1.5 | 1.7 | 1.8 | 2 | 2.1 | 2.3 | 2.4 | 2.6 | 2.7 | 2.9 | 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 | 0.1 0.2 0.2 0.3 | 0.4 | 0.5 | 0.5 | 0.6 | 0.7 | 0.8 | 0.8 | 0.9 | 1 | 1.1 | 1.1 | 1.2 | 1.3 | 1.4 | 1.4 | 1.5 | | | |

| | | | | | | | | | | | | | | | | | | | | |
|----------------------|-----------------|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| 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 | 0.1 0.1 0.1 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.7 | 0.7 | 0.8 | | | |

| *** | 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 | | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 | 1.2 | 1.8 | 2.4 | 3 | 3.6 | 4.2 | 4.8 | 5.4 | 6 | 9 | 12 | |

| | | | | | | | | | | | | | | | | | | | |
|-------|---|------|--------------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | 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 | | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.5 | 0.7 | 1 | 1.2 | 1.4 | 1.7 | 1.9 | 2.2 | 2.4 | 3.6 | 4.8 | |

| | | | | | | | | | | | | | | | | | | | | |
|-------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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 | 0.1 0.1 0.1 0.1 0.1 0.1 0.2 0.4 0.5 0.6 0.7 0.8 1 1.1 1.2 1.8 2.4 | | | | | | | | | | | | | | | | | | | |

2 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 | 0.1 0.2 0.3 0.4 | 0.4 | 0.5 | 0.5 | 0.6 | 0.7 | 0.7 | 0.8 | 0.8 | 0.9 | 1 | 1 | 1.1 | 1.1 | 1.2 | | |
| | 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 | 0.1 0.1 0.2 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | | |

| *** | 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 | 0.3 0.4 0.4 0.5 | 0.5 | 0.6 | 1.2 | 1.8 | 2.4 | 3 | 3.6 | 4.2 | 4.8 | 5.4 | 6 | 9 | 12 | | | |
| | 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 | 0.2 0.2 0.2 0.2 | 0.3 | 0.3 | 0.6 | 0.9 | 1.2 | 1.5 | 1.8 | 2.1 | 2.4 | 2.7 | 3 | 4.5 | 6 | | | |

2 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 | 0.3 0.4 0.5 0.5 0.6 0.7 0.7 0.8 0.9 0.9 1 | | | | | | | | | | | | | | | | |

| ***** | 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 | 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 | | | | | | | | | | | | | | | | |

2 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 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 |

***** 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 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 | 0.7 | 0.7 | 0.8 | 0.8 | 0.9 | 1 |

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 | 0.2 | 0.3 | 0.5 | 0.6 | 0.8 | 0.9 | 1.1 | 1.2 | 1.4 | 1.5 | 1.7 | 1.8 | 2 | 2.1 | 2.3 | 2.4 | 2.6 | 2.7 | 2.9 | 3 |

2 KG DRIP CALCULATIONS FOR PROSTAGLANDIN E

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

| | | | | | | | | | | | | | | | | |
|-------|------------------------------|------|------|------|------|------|------|------|------|-----|------|-----|------|-----|------|-----|
| | PROSTAGLANDIN E (0.01 mg/ml) | | | | | | | | | | | | | | | |
| | Dosage: mcg/kg/min | | | | | | | | | | | | | | | |
| | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 | 0.1 | 0.15 | 0.2 | 0.25 | 0.3 | 0.35 | 0.4 |
| ml/hr | 0.1 | 0.2 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 1 | 1.1 | 1.2 | 1.8 | 2.4 | 3 | 3.6 | 4.2 | 4.8 |

2 KG DRIP CALCULATIONS CALCIUM CHLORIDE

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

CALCIUM CHLORIDE (10 mg/ml)
 Dosage: mg/kg/hour
 1 2 3 4 5
 ml/hr 0.2 0.4 0.6 0.8 1

CALCIUM CHLORIDE (50 mg/ml)
 Dosage: mg/kg/hour
 1 2 3 4 5
 ml/hr XXX 0.1 0.1 0.2 0.2

2 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 XXX 0.1 0.1 0.2 0.2 0.2 0.3 0.3 0.4 0.4

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 XXX XXX 0.1 0.1 0.1 0.1 0.1 0.2 0.2 0.2

***** 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 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1

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 XXXX XXX 0.1 0.1 0.1 0.1 0.1 0.2 0.2 0.2