

| Drugs Calculator | kg | Dose/kg BW | Amount | Unit | Remarks |
|---------------------------|------|------------|-------------------------|------|-------------------------------|
| BW in kg = | 10 | | | | |
| | | | | | |
| Fentanyl | 50 | 500 | mcg | | |
| Cefazolin | 50 | 500 | mg | | |
| Heparin | 300 | 3000 | IU | | |
| Protamine | 3 | 30 | mg | | ONLY BY CONSULTANT |
| Adrenaline | 10 | 100 | mcg | | |
| Phenylephrine | 10 | 100 | mcg | | |
| Atropine | 0.02 | 0.2 | mg | | |
| Bicarb (8.4%) | 1 | 10 | mL | | |
| CaCl2(10%) | 0.2 | 2 | mL | | |
| | | | | | |
| Amiodarone | 5 | 50 | mg | | over 20-60 minutes |
| Amiodarone infusion | 15 | 150 | mg/50mL _{0.5W} | | 1mL/hr=5mcg/kg/min, 1-3 ml/hr |
| Adenosine | 0.1 | 1 | mg | | first bolus (max 6 mg) |
| Adenosine | 0.2 | 2 | mg | | second bolus (max 12mg) |
| | | | | | |
| Synch cardioversion | 0.5 | 5 | J | | SVT/VT with pulse |
| Synch cardioversion | 1 | 10 | J | | SVT/VT with pulse |
| First defibrillation | 2 | 20 | J | | VF/VT pulseless |
| Succeeding defibrillation | 4 | 40 | J | | VF/VT pulseless |

| | | | | |
|---------------------------------------|------------------|-----|---------|--------------------------|
| Adrenaline/Noradrenaline/Isoprenaline | BW x 0.3 mg/50mL | 3 | mg/50mL | 1mL/hr=0.1mcg/kg/min |
| Milrinone (≤ 16kg) | BW x 3 mg/50mL | 30 | mg/50mL | 1mL/hr=1.0mcg/kg/min |
| Milrinone (> 16kg) (USE SMART PUMP) | 50 mg/50 mL | 50 | mg/50mL | 1mL/hr= 1.7 mcg/kg/min |
| Dopamine | BW x 30 mg/50mL | 300 | mg/50mL | 1mL/hr=10mcg/kg/min |
| Dobutamine | BW x 15 mg/50mL | 150 | mg/50mL | 1mL/hr=5mcg/kg/min |
| GTN/Nitride (≤ 16kg) | BW x 3 mg/50mL | 30 | mg/50mL | 1mL/hr=1.0mcg/kg/min |
| GTN/Nitride (> 16kg) (USE SMART PUMP) | 50 mg/50 mL | 50 | mg/50mL | 1mL/hr= 1.7 mcg/kg/min |
| Phentolamine | BW x 15 mg/50mL | 150 | mg/50mL | 1-10mL/hr=5-50mcg/kg/min |

| | | | | |
|---|-------------------|---------|----------|---|
| Tranexemic acid (≤ 40kg) | BW x 50 mg/20mL | 500 | mg/20mL | 1mL/hr=2.5 mg/kg/hr (10ml/hr for 1hr → 1ml/hr) |
| Tranexemic acid (> 40kg) (USE SMART PUMP) | 2000mg/20 mL | 2000 mg | mg/20mL | 0.3 mL/hr=2.5 mg/kg/hr |
| Dexmedetomidine | BW x 10 mcg/50mL | 100 | mcg/50mL | 1mL/hr=0.2mcg/kg/hr |
| (3 in 1 cocktail) | | | | |
| Midazolam | BW x 3 mg/50mL | 30 | mg/50mL | 1mL/hr= 1.0mcg/kg/min |
| Fentanyl | BW x 250 mcg/50mL | 2500 | mcg/50mL | 1mL/hr= 5mcg/kg/hr |
| Rocuronium | BW x 25 mg/50mL | 250 | mg/50mL | 1mL/hr= 0.5mg/kg/hr |

Labeling of infusions must be clear and legible and follow this format:

iv (drug) _____ mg in total _____ mls _____ (diluent)

1ml/hr = _____ mcg/kg/min