

PICU DRUG INFUSION CHART			
Drug	Amount of drug diluted to 50ml	1ml/hr =	Dose range
*Dopamine *Dobutamine	15mg/kg	5 mcg/kg/min	2.5 - 10 mcg/kg/min
*Adrenaline *Noradrenaline *Isoprenaline	High Dose 0.3mg/kg Low Dose 0.15mg/kg (≥ 3 kg)	0.1 mcg/kg/min 0.05 mcg/kg/min	0.01 - 1 mcg/kg/min
*Nitroglycerine *Sodium Nitroprusside	3mg/kg	1 mcg/kg/min	0.5 -5 mcg/kg/min
*Milrinone	0.75mg/kg	0.25 mcg/kg/min	0.375 - 0.75 mcg/kg/min
Amiodarone	≤ 10 kg 30mg/kg 11-40kg 15mg/kg > 40kg 7.5mg/kg	10 mcg/kg/min 5 mcg/kg/min 2.5 mcg/kg/min	25 mcg/kg/min for 4hr then 5 - 15 mcg/kg/min
Vasopressin	< 30kg 1 unit/kg ≥ 30kg Add 40units to 40ml	0.02 unit/kg/hr 1 unit/hr	0.02 – 0.06 unit/kg/hr 0.5 – 2 unit/hr
Esmolol	Draw up neat 10mg/ml solution Administer 0.15 – 1.8 ml/kg/hr		25 – 300 mcg/kg/min
Prostaglandin E ₁	30microg/kg	10 nanog/kg/min	5 – 10 nanog/kg/min
Morphine	< 30kg 1mg/kg ≥ 30kg Add 60mg to 60ml	20 mcg/kg/hr 1mg/hr	10 – 40 mcg/kg/hr 1 – 4 mg/hr
Propofol	Draw up neat 10mg/ml solution Administer maximum of 0.3 ml/kg/hr		0 - 3 mg/kg/hr
Midazolam	< 30kg 3 mg/kg ≥ 30kg Add 30mg to 60ml	1 mcg/kg/min 0.5 mg/hr	1-4 mcg/kg/min 0.5 – 2 mg/hr
Ketamine	3mg/kg	1 mcg/kg/min	1-4 mcg/kg/min
Clonidine (0.9% sodium chloride only)	Up to 10 kg 50mcg/kg > 10 kgs 25mcg/kg	1mcg/kg/hr 0.5mcg/kg/hr	0.5-2mcg/kg/hr 0.5-2 mcg/kg/hr
Frusemide (0.9% sodium chloride only)	< 20kg 25mg/kg ≥ 20kg 250mg/25ml (neat)	0.5 mg/kg/hr 10 mg/hr	0.1 – 0.75 mg/kg/hr 2 – 20 mg/hr
Actrapid Insulin	Add 50 units to 50mls 0.9% sodium chloride (1 unit/ml solution) Rate = (0.1 x kg) ml/hr = 0.1 unit/kg/hr		0.1 unit/kg/hr
Dexmedetomidine	Add 200 microgram to 50mls 0.9% sodium chloride (4 microgram/ml solution) Load 0.25 ml/kg then 0.05 – 0.25 ml/kg/hr		1 mcg/kg over 15mins then 0.2 – 1 mcg/kg/hr
Salbutamol	≤ 16 kg 3mg/kg	1 mcg/kg/min	5-10 mcg/kg/min for 1hr. then 1-2 mcg/kg/min
	> 16kg Draw up 50ml neat 1mg/ml solution Rate = (0.06 x kg) ml/hr = 1mcg/kg/min		
Aminophylline	Age 1-9 years 55mg/kg	1.1 mg/kg/hr	1.1 mg/kg/hr
	Age 1-9 & ≥ 24kg Use neat 25mg/ml solution at 1 ml/hr		25 mg/hr
	Age ≥ 10 years & ≤ 35kg 35mg/kg	0.7 mg/kg/hr	0.7 mg/kg/hr
	Age ≥ 10 & > 35kg Use neat 25mg/ml solution Rate = (0.028ml x kg) ml/hr		

* Refer to PICU Cardiovascular Drug Infusion Chart for patients >30kg.