

WEIGHT

Kg

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Emergency

Adrenaline 1:10,000	ml (0.1 ml/kg)
Atropine <u>600</u> mcg/ml	ml (20mcg/kg, min 100mcg)
Atropine <u>100</u> mcg/ml	ml (20mcg/kg min 100mcg)
Sodium Bicarbonate 8.4%	ml (1 ml/kg)
Calcium Gluconate 10%	ml (0.5 ml/kg)

Cardiovascular

Cardioversion (sync)	Joules (1J/kg) (use 2J/kg if fails)
Shockable rhythm (async)	Joules (4J/kg)
Adenosine	to mcg (100 -500 mcg/kg)
Amiodarone Load	mg (5 mg/kg over 30 minutes to 4hrs)
Tranexamic Acid	mg (15 mg/kg)

Respiratory

Magnesium Sulphate	mg (40 mg/kg over 20 minutes)
Salbutamol load	mcg (15 mcg/kg over 10 minutes)
Hydrocortisone	mg (4 mg/kg , max 100mg)
Aminophylline load	mg (5 mg/kg over 20 minutes)
Adrenaline 1:1000 Nebulised	ml (0.5 ml/kg, max 5 mls) Make up to 5 ml with saline

Neuro

Lorazepam	mg (0.1 mg/kg)
Midazolam Buccal	mg (Dose banding)
Phenytoin	mg (20 mg/kg over 20 minutes)
Phenobarbitone	mg (20 mg/kg over 20 minutes)
Paraldehyde PR	ml (0.8 ml/kg readymixed)
3% or 2.7% Saline	ml (5ml/kg)
Mannitol 10%	ml (5ml/kg, equivalent to 0.5g/kg)

Anaesthesia

Ketamine	to mg (1-2mg/kg)
Thiopentone	to mg (1-5mg/kg)
Rocuronium	mg (1mg/kg)
Atracurium	mg (0.5mg/kg)
Pancuronium	mg (0.1mg/kg)
Suxamethonium	mg (1.5mg/kg)

Anaphylaxis

Adrenaline IM	ml of 1:1000
Chlorphenamine	mg

Infusions

Calculations based on Southampton PICU infusions guidelines (2014)

Dopamine (central)	mg in 50ml of 0.9% Saline or 5% Glucose	ml / hr =	mcg/kg/min	= 2 - 10mcg/kg/min)
Dopamine (peripheral)	mg in 50ml of 0.9% Saline or 5% Glucose	ml / hr =	mcg/kg/min	= 2 - 10mcg/kg/min)
Adrenaline	mg in 50ml of 0.9% Saline or 5% Glucose	ml / hr =	mcg/kg/min	= 0.1 - 1mcg/kg/min)
Noradrenaline	mg in 50ml of 0.9% Saline or 5% Glucose	ml / hr =	mcg/kg/min	= 0.1 - 1mcg/kg/min)
Milrinone	mg in 50ml of 0.9% Saline or 5% Glucose	ml / hr =	mcg/kg/min	= 0.375 - 0.75 mcg/kg/min)
Argipressin (Vasopressin)	units in ml of 0.9% Saline or 5% Glucose	ml / hr =	units/kg/hr	= 0.01-0.12 unis/kg/hr)
Amiodarone	mg in 50ml of 5% Glucose	ml / hr =	mcg/kg/min	= 5-15 mcg/kg/min)
Dinoprostone (Prostin E2)	mcg in 50ml of 0.9% Saline	ml / hr =	ng/kg/min	= 5 - 50 ng/kg/min)
Morphine	mg in 50ml of 0.9% Saline or 5% Glucose	ml / hr =	mcg/kg/hr	= 10 - 50 mcg/kg/hr)
Midazolam	mg in 50ml of 0.9% Saline or 5% Glucose	ml / hr =	mcg/kg/hr	= 10 - 200 mcg/kg/hr)
Salbutamol	mg in 50ml of 0.9% Saline or 5% Glucose	ml / hr =	mcg/kg/min	= 0.5 - 5 mcg/kg/min)
Aminophylline	mg in ml of 0.9% Saline or 5% Glucose	ml / hr =	mg/kg/hr	= 0.5 - 1 mg/kg/hr)