

SOUTHAMPTON OXFORD RETRIEVAL TEAM

Enter age & weight and click calculate.
If weight unknown, enter age and click calculate
Some maximum doses reached - shown in red

Patient Sticker

Weight 28 kg

Emergency

Adrenaline 1:10,000	2.8 ml	0.1ml/kg in cardiac arrest
Adrenaline Dilute/Light	2.8 ml	dilute 0.1ml/kg of 1:10,000 to 10ml NaCl
Atropine	560 mcg	20mcg/kg min 100mcg
Sodium Bicarbonate 8.4%	28 ml	1ml/kg (dilute to 56 ml using NaCl)
Calcium Gluconate 10%	14 ml	0.5ml/kg

Cardiovascular

Cardioversion (sync)	28 J	1J/kg use 2J/kg if fails
Shockable rhythm (async)	112 J	4J/kg
Adenosine	2.8 to 12 mg	100-500mcg/kg (see arrhythmia guideline)
Amiodarone Load	140 mg	5mg/kg over 30 minutes or bolus in cardiac arrest
Tranexamic Acid	420 mg	15mg/kg

Respiratory

Magnesium Sulphate	1120 mg	40mg/kg over 20 minutes
Salbutamol load	250 mcg	15mcg/kg over 10 minutes
Hydrocortisone	100 mg	4mg/kg
Aminophylline load	140 mg	5mg/kg over 20 minutes
Adrenaline 1:1,000 nebulised	5 ml	0.4ml/kg 1:1,000 make to 5ml with NaCl
Dexamethasone	4.2 mg	0.15mg/kg

Neuro

Lorazepam	2.8 mg	0.1mg/kg
Midazolam Buccal	7.5 mg	dose banding
Phenytoin	560 mg	20mg/kg over 20 minutes
Phenobarbitone	560 mg	20mg/kg over 20 minutes
Paraldehyde PR	20 ml	0.8ml/kg ready mixed
2.7% or 3% NaCl	84 to 140 ml	3-5ml/kg
Mannitol 10%	140 ml	5ml/kg equivalent to 0.5mg/kg

Anaesthesia

Ketamine	28 to 56 mg	1-2mg/kg
Thiopentone	56 to 140 mg	2-5mg/kg
Rocuronium	28 mg	1mg/kg
Vecuronium	2.8 mg	0.1mg/kg
Pancuronium	2.8 mg	0.1mg/kg
Suxamethonium	42 mg	1.5mg/kg

Anaphylaxis

Adrenaline 1:1,000 IM	0.3 ml	Dose banding
Chlorphenamine	5 mg	Dose Banding

Peripheral Adrenaline	0.4 mg in 50ml of 0.9% NaCl or 5% Glucose
21 ml / hr =	0.1 mcg/kg/min (10.5 - 105 ml/hr = 0.05 - 0.5mcg/kg/min)
Central Adrenaline	4 mg in 50ml of 0.9% NaCl or 5% Glucose
2.1 ml / hr =	0.1 mcg/kg/min (1.1 - 10.5 ml/hr = 0.05 - 0.5mcg/kg/min)
Peripheral Amiodarone	75 mg in 50ml of 5% Glucose
5.6 ml / hr =	5 mcg/kg/min (5.6 - 22.4 ml/hr = 5-20 mcg/kg/min)
Central Amiodarone	150 mg in 50ml of 5% Glucose
2.8 ml / hr =	5 mcg/kg/min (2.8 - 11.2 ml/hr = 5-20 mcg/kg/min)
Aminophylline	500 mg in 500 ml of 0.9% NaCl or 5% Glucose
14 ml / hr =	0.5 mg/kg/hr (14 - 28 ml/hr = 0.5 - 1 mg/kg/hr)
Dinoprostone (Prostin E2)	0 mcg in 50ml of 5% or 10% Glucose
0 ml / hr =	0 ng/kg/min Only used in neonates = 5 - 50 ng/kg/min)
Peripheral Dopamine	20 mg in 50ml of 0.9% NaCl or 5% Glucose
42 ml / hr =	10 mcg/kg/min (8 - 42 ml/hr = 2 - 10mcg/kg/min)
Central Dopamine	200 mg in 50ml of 0.9% NaCl or 5% Glucose
4.2 ml / hr =	10 mcg/kg/min (0.8 - 4.2 ml/hr = 2 - 10mcg/kg/min)
Isoprenaline	2 mg in 50ml of 0.9% NaCl or 5% Glucose
4.2 ml / hr =	0.1 mcg/kg/min (0.8 - 4.2 ml/hr = 0.02 - 1mcg/kg/min)
Midazolam	28 mg in 50ml of 0.9% NaCl or 5% Glucose
1 ml / hr =	20 mcg/kg/hr (0.5 - 5 ml/hr = 10 - 100 mcg/kg/hr)
Milrinone	10 mg in 50ml of 0.9% NaCl or 5% Glucose
4.2 ml / hr =	0.5 mcg/kg/min (3.2 - 6.3 ml/hr = 0.375 - 0.75 mcg/kg/min)
Morphine	28 mg in 50ml of 0.9% NaCl or 5% Glucose
1 ml / hr =	20 mcg/kg/hr (0.5 - 2.5 ml/hr = 10 - 50 mcg/kg/hr)
Noradrenaline	4 mg in 50ml of 0.9% NaCl or 5% Glucose
2.1 ml / hr =	0.1 mcg/kg/min (1.1 - 10.5 ml/hr = 0.05 - 0.5mcg/kg/min)
Phenylephrine	10 mg in 100ml of 0.9% NaCl or 5% Glucose
1.7 ml / hr =	0.1 mcg/kg/min (1.7 - 8.5 ml/hr = 0.1-0.5 mcg/kg/min)
Propofol 1% (neat)	500 mg in 50 ml neat solution (for short term use)
1 ml / hr =	0.36 mg/kg/hr (2.8 - 11.2 ml/hr = 1-4 mg/kg/hr)
Salbutamol	10 mg in 50ml of 0.9% NaCl or 5% Glucose
8.4 ml / hr =	1 mcg/kg/min (4.2 - 16.8 ml/hr = 0.5 - 2 mcg/kg/min)
Vasopressin (Argipressin)	20 units in 20 ml of 0.9% NaCl or 5% Glucose
2.8 ml / hr =	0.1 units/kg/hr (0.3 - 3.6 ml/hr = 0.01-0.12 unis/kg/hr)

Infusions