

# 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 17 kg

## Emergency

Adrenaline 1:10,000	1.7 ml	0.1ml/kg in cardiac arrest
Adrenaline Dilute/Light	1.7 ml	dilute 0.1ml/kg of 1:10,000 to 10ml NaCl
Atropine	340 mcg	20mcg/kg min 100mcg
Sodium Bicarbonate 8.4%	17 ml	1ml/kg (dilute to 34 ml using NaCl)
Calcium Gluconate 10%	8.5 ml	0.5ml/kg

## Cardiovascular

Cardioversion (sync)	17 J	1J/kg use 2J/kg if fails
Shockable rhythm (async)	68 J	4J/kg
Adenosine	1.7 to 8.5 mg	100-500mcg/kg (see arrhythmia guideline)
Amiodarone Load	85 mg	5mg/kg over 30 minutes or bolus in cardiac arrest
Tranexamic Acid	255 mg	15mg/kg

## Respiratory

Magnesium Sulphate	680 mg	40mg/kg over 20 minutes
Salbutamol load	250 mcg	15mcg/kg over 10 minutes
Hydrocortisone	68 mg	4mg/kg
Aminophylline load	85 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	2.6 mg	0.15mg/kg

## Neuro

Lorazepam	1.7 mg	0.1mg/kg
Midazolam Buccal	5 mg	dose banding
Phenytoin	340 mg	20mg/kg over 20 minutes
Phenobarbitone	340 mg	20mg/kg over 20 minutes
Paraldehyde PR	13.6 ml	0.8ml/kg ready mixed
2.7% or 3% NaCl	51 to 85 ml	3-5ml/kg
Mannitol 10%	85 ml	5ml/kg equivalent to 0.5mg/kg

## Anaesthesia

Ketamine	17 to 34 mg	1-2mg/kg
Thiopentone	34 to 85 mg	2-5mg/kg
Rocuronium	17 mg	1mg/kg
Vecuronium	1.7 mg	0.1mg/kg
Pancuronium	1.7 mg	0.1mg/kg
Suxamethonium	25.5 mg	1.5mg/kg

## Anaphylaxis

Adrenaline 1:1,000 IM	0.15 ml	Dose banding
Chlorphenamine	2.5 mg	Dose Banding

<b>Peripheral Adrenaline</b>	0.4 mg in 50ml of 0.9% NaCl or 5% Glucose
12.8 ml / hr =	0.1 mcg/kg/min (6.4 - 63.8 ml/hr = 0.05 - 0.5mcg/kg/min)
<b>Central Adrenaline</b>	4 mg in 50ml of 0.9% NaCl or 5% Glucose
1.3 ml / hr =	0.1 mcg/kg/min (0.6 - 6.4 ml/hr = 0.05 - 0.5mcg/kg/min)
<b>Peripheral Amiodarone</b>	75 mg in 50ml of 5% Glucose
3.4 ml / hr =	5 mcg/kg/min (3.4 - 13.6 ml/hr = 5-20 mcg/kg/min)
<b>Central Amiodarone</b>	150 mg in 50ml of 5% Glucose
1.7 ml / hr =	5 mcg/kg/min (1.7 - 6.8 ml/hr = 5-20 mcg/kg/min)
<b>Aminophylline</b>	250 mg in 250 ml of 0.9% NaCl or 5% Glucose
17 ml / hr =	1 mg/kg/hr (8.5 - 17 ml/hr = 0.5 - 1 mg/kg/hr)
<b>Dinoprostone (Prostin E2)</b>	0 mcg in 50ml of 5% or 10% Glucose
0 ml / hr =	0 ng/kg/min <b>Only used in neonates</b> = 5 - 50 ng/kg/min)
<b>Peripheral Dopamine</b>	20 mg in 50ml of 0.9% NaCl or 5% Glucose
25.5 ml / hr =	10 mcg/kg/min (5 - 25 ml/hr = 2 - 10mcg/kg/min)
<b>Central Dopamine</b>	200 mg in 50ml of 0.9% NaCl or 5% Glucose
2.6 ml / hr =	10 mcg/kg/min (0.5 - 2.5 ml/hr = 2 - 10mcg/kg/min)
<b>Isoprenaline</b>	2 mg in 50ml of 0.9% NaCl or 5% Glucose
2.6 ml / hr =	0.1 mcg/kg/min (0.5 - 25.5 ml/hr = 0.02 - 1mcg/kg/min)
<b>Midazolam</b>	17 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)
<b>Milrinone</b>	10 mg in 50ml of 0.9% NaCl or 5% Glucose
2.6 ml / hr =	0.5 mcg/kg/min (1.9 - 3.8 ml/hr = 0.375 - 0.75 mcg/kg/min)
<b>Morphine</b>	17 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)
<b>Noradrenaline</b>	4 mg in 50ml of 0.9% NaCl or 5% Glucose
1.3 ml / hr =	0.1 mcg/kg/min (0.6 - 6.4 ml/hr = 0.05 - 0.5mcg/kg/min)
<b>Phenylephrine</b>	10 mg in 100ml of 0.9% NaCl or 5% Glucose
1 ml / hr =	0.1 mcg/kg/min (1 - 5 ml/hr = 0.1-0.5 mcg/kg/min)
<b>Propofol 1% (neat)</b>	500 mg in 50 ml neat solution (for short term use)
1 ml / hr =	0.59 mg/kg/hr (1.7 - 6.8 ml/hr = 1-4 mg/kg/hr)
<b>Salbutamol</b>	10 mg in 50ml of 0.9% NaCl or 5% Glucose
5.1 ml / hr =	1 mcg/kg/min (2.5 - 10 ml/hr = 0.5 - 2 mcg/kg/min)
<b>Vasopressin (Argipressin)</b>	17 units in 50 ml of 0.9% NaCl or 5% Glucose
1 ml / hr =	0.02 units/kg/hr (0.5 - 6 ml/hr = 0.01-0.12 unis/kg/hr)

Infusions