

A large, stylized circular design on the left side of the image, resembling traditional Aboriginal dot art. It features concentric circles of dots in shades of brown, orange, and grey, with some dark brown shapes and a central circle containing smaller dots.

18kg

18kg

# 18 kg

Intubation – prepare ONE size tube above and below recommended size			
ETT size – microcuff	5 mm	NG tube	10 Fr
Laryngoscope blade	2	ICC tube	16 - 24 Fr
ETT at lips – cm	14 cm	LMA	2
ETT at nose – cm	17 cm	IDC	10 Fr

ANAPHYLAXIS		
IM Adrenaline (Epinephrine) 1:1000 (1 mg/mL)		
Dose	Volume	Autoinjector
200 microg	0.2 mL	150 microg

\*Use autoinjector only if adrenaline 1:1000 not available

Resuscitation	Vial concentration	Recommended dose/kg	Preparation		Dose	Final volume to administer	Administration	
			Dilution – Sodium Chloride 0.9%	Final concentration				
Adrenaline (Epinephrine) 1:10 000 (1 mg/10 mL)	100 microg/mL	10 microg/kg	Undiluted	100 microg/mL	180 microg	1.8 mL	Push	
DC shock – VF/ pulseless VT		4 Joule/kg	Round up energy level to next highest setting on defibrillator		72 Joule		Use paediatric or adult pads	
AmiODAROne (150 mg/3 mL)	50 mg/mL	5 mg/kg	Dilute 3 mL (150 mg) to 15 mL in glucose 5%	10 mg/mL	90 mg	9 mL	Push over 5 mins	
Fluid Bolus		10 mL/kg	Sodium Chloride 0.9%			180 mL	Push	
Fluid Bolus		20 mL/kg	Sodium Chloride 0.9%			360 mL	Push	
Glucose 10%	100 mg/mL	2 mL/kg	Glucose 10%	100 mg/mL		36 mL	Push	
Adenosine (6 mg/2 mL) – 1st dose	3 mg/mL	0.1 mg/kg	Undiluted	3 mg/mL	1.8 mg	0.6 mL	Push via proximal vein or CVL – Follow immediately by a 10 - 20 mL fast flush	
Adenosine (6 mg/2 mL) – 2nd dose	3 mg/mL	0.2 mg/kg			3.6 mg	1.2 mL		
Adenosine (6 mg/2 mL) – 3rd dose	3 mg/mL	0.3 mg/kg			5.4 mg	1.8 mL		
Synchronised Cardioversion		1 Joule/kg	Round up energy level to next highest setting on defibrillator			18 Joule	Use paediatric or adult pads	
		2 Joule/kg				36 Joule		
Atropine (600 microg/mL)	600 microg/mL	20 microg/kg	Dilute 1 mL (600 microg) to 6 mL	100 microg/mL	360 microg	3.6 mL	Push	
Push dose pressors – Doses may be repeated if required								
Adrenaline (Epinephrine) 1:10 000 (1 mg/10 mL)	100 microg/mL	1 microg/kg	Dilute 1 mL (100 microg) to 10 mL	10 microg/mL	18 microg	1.8 mL	Push	
Metaraminol (Syringe 5 mg/10 mL)	500 microg/mL	10 microg/kg	Consider Adrenaline (Epinephrine) Push Dose Pressor	Consult	Consult	Consult	Push	

Induction agents	Vial concentration	Recommended dose/kg	Dilution – Sodium Chloride 0.9%	Final concentration	Dose	Final volume	Administration
Fentanyl (100 microg/2 mL)	50 microg/mL	2 - 5 microg/kg	Dilute 2 mL (100 microg) to 10 mL	10 microg/mL	36 microg	3.6 mL	Push over 1 - 3 mins
Ketamine (200 mg/2 mL)	100 mg/mL	1 - 2 mg/kg	Dilute 2 mL (200 mg) to 20 mL	10 mg/mL	18 mg	1.8 mL	Push over 60 secs
PropOFol (200 mg/20 mL)	10 mg/mL	2 - 3 mg/kg	Undiluted	10 mg/mL	36 mg	3.6 mL	Push over 30 secs
Midazolam	Various strengths	0.1 - 0.2 mg/kg	Dilute to 1 mg/mL regardless of ampoule strength	1 mg/mL	1.8 mg	1.8 mL	Push over 30 secs

Paralytic agents	Vial concentration	Recommended dose/kg	Dilution – Sodium Chloride 0.9%	Final concentration	Dose	Final volume	Administration
Rocuronium (50 mg/5 mL)	10 mg/mL	1.2 mg/kg	Undiluted	10 mg/mL	21.6 mg	2.2 mL	Push
Suxamethonium (100 mg/2 mL)	50 mg/mL	2 mg/kg	Dilute 2 mL (100 mg) to 10 mL	10 mg/mL	36 mg	3.6 mL	Push
Vecuronium (10 mg)	10 mg	0.1 mg/kg	Reconstitute vial with 10 mL WFI	1 mg/mL	1.8 mg	1.8 mL	Push

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Reversal agents	Vial concentration	Recommended dose/kg	Preparation		Dose	Final volume to administer	Administration
			Dilution – Sodium Chloride 0.9%	Final concentration			
Sugammadex (200 mg/2 mL) Rocuronium reversal	100 mg/mL	16 mg/kg	Undiluted	100 mg/mL	<b>288 mg</b>	2.9 mL	Push
Flumazenil (500 microg/5 mL) Benzodiazepine reversal	100 microg/mL	5 microg/kg	Undiluted	100 microg/mL	<b>90 microg</b>	0.9 mL	Push – Every 60 secs Max single dose 200 microg Max total dose 2000 microg
Naloxone (400 microg/mL) Opioid reversal	400 microg/mL	10 microg/kg	Undiluted	400 microg/mL	<b>180 microg</b>	0.45 mL	Push – Every 2 - 3 mins May be given IM

Respiratory	Vial concentration	Recommended dose/kg	Dilution – Sodium Chloride 0.9%	Final concentration	Dose	Final volume	Administration
Nebulised Adrenaline (Epinephrine) 1:1000	1 mg/mL		Undiluted	1 mg/mL	<b>5 mg</b>	5 mL	Via nebuliser
Dexamethasone (4 mg/mL)	4 mg/mL	0.3 mg/kg	Undiluted	4 mg/mL	<b>5.4 mg</b>	1.4 mL	IV or IM
Magnesium Sulfate (10 mmol/5 mL)	2 mmol/mL	0.2 mmol/kg	Dilute 5 mL (10 mmol) to 50 mL	0.2 mmol/mL	<b>3.6 mmol</b>	18 mL	Infuse over 20 mins
Hydrocortisone (100 mg + 2 mL diluent)	50 mg/mL	4 mg/kg	Reconstitute vial with 2 mL WFI	50 mg/mL	<b>72 mg</b>	1.4 mL	Push over 30 secs or IM
Methylprednisolone (40 mg/mL) sodium succinate	40 mg/mL	1 mg/kg	Dilute 1 mL (40 mg) to 4 mL	10 mg/mL	<b>18 mg</b>	1.8 mL	Push over 5 mins Sodium succinate ONLY
Salbutamol (5 mg/5 mL)	1000 microg/mL	15 microg/kg	Dilute 5 mL (5000 microg) to 100 mL	50 microg/mL	<b>270 microg</b>	5.4 mL	Load – Infuse over 10 mins
AmiNOPHYLLine (250 mg/10 mL)	25 mg/mL	5 mg/kg	Dilute 10 mL (250 mg) to 50 mL	5 mg/mL	<b>90 mg</b>	18 mL	Load – Infuse over 30 mins

Neurology/seizures	Vial concentration	Recommended dose/kg	Dilution – Sodium Chloride 0.9%	Final concentration	Dose	Final volume	Administration
Midazolam – <b>IV</b>	Various strengths	0.15 mg/kg	Dilute to 1 mg/mL regardless of ampoule strength	1 mg/mL	<b>2.7 mg</b>	2.7 mL	Push
Midazolam – <b>IM</b>	5 mg/mL	0.2 mg/kg	Undiluted	5 mg/mL	<b>3.6 mg</b>	0.72 mL	IM
Midazolam – <b>Buccal/Nasal</b>	5 mg/mL	0.3 mg/kg	Undiluted	5 mg/mL	<b>5.4 mg</b>	1.1 mL	Drip dose into alternate nostrils or inside cheek
Phenytoin (100 mg/2 mL) (250 mg/5 mL)	50 mg/mL	20 mg/kg	Dilute 10 mL (500 mg) to 50 mL	10 mg/mL	<b>360 mg</b>	36 mL	Infuse over 20 mins *use 0.22 micron filter*
Phenobarbital (200 mg/mL)	200 mg/mL	20 mg/kg	Dilute 2 mL (400 mg) to 20 mL	20 mg/mL	<b>360 mg</b>	18 mL	Infuse over 20 mins
Levetiracetam (500 mg/5 mL)	100 mg/mL	60 mg/kg	Dilute 15 mL (1500 mg) to 30 mL	50 mg/mL	<b>1080 mg</b>	22 mL	Push over 5 mins
Sodium Valproate (400 mg/4 mL)	100 mg/mL	40 mg/kg	Dilute 8 mL (800 mg) to 20 mL	40 mg/mL	<b>720 mg</b>	18 mL	Infuse over 3 - 5 mins
Mannitol 20%	0.2 g/mL	0.5 g (2.5 mL)/kg	Pre-mixed bag	0.2 g/mL	<b>9 g</b>	45 mL	Infuse over 10 mins *use 5 micron filter*
Sodium Chloride 3% – Hypertonic *For raised ICP or hyponatremic seizures*	0.5 mmol/mL	3 mL/kg	Pre-mixed bag	0.5 mmol/mL	<b>54 mL</b>	54 mL	Infuse over 10 mins via central/large vein

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Electrolytes	Vial concentration	Recommended dose/kg	Preparation		Dose	Final volume to administer	Administration
			Dilution – Sodium Chloride 0.9%	Final concentration			
Hypokalaemia (↓ Potassium) Potassium Chloride 10 mmol in 0.29% Sodium Chloride (100 mL)	0.1 mmol/mL	0.3 mmol/kg	Pre-mixed bag	0.1 mmol/mL	<b>5.4 mmol</b>	54 mL	Infuse over 1 hour
Hyperkalaemia (↑ Potassium) Calcium gluconate (2.2 mmol/10 mL)	0.22 mmol/mL	0.11 mmol/kg	Undiluted	0.22 mmol/mL	<b>1.98 mmol</b>	9 mL	Large vein push over 3 - 5 mins DO NOT give with sodium bicarbonate
Salbutamol Nebules	2.5 mg/2.5 mL	Age based	Dilute to 4 mL	–	<b>2.5 mg</b>	–	Inhale via nebuliser
Furosemide (20 mg/2 mL)	10 mg/mL	1 mg/kg	Dilute 2 mL (20 mg) to 20 mL	1 mg/mL	<b>18 mg</b>	18 mL	Push over 5 mins
Glucose 10% (with insulin below)	See Infusion guide for doses and administration directions.						
Insulin – Actrapid (300 units/3 mL)	In a rare event of cardiac arrest due to hyperkalaemia, Glucose 10% and Insulin may be given more quickly see below						
Hyperkalaemia (Cardiac arrest) Glucose 10%		5 mL/ kg	Use a Glucose 10% bag undiluted	10%	<b>90 mL</b>	90 mL	ARREST dose only. Push over 3 - 5 mins followed by insulin dose
Insulin - Actrapid (300 units/3 mL)	100 units/mL	0.1 units/ kg	Dilute 0.1 mL (10 units) to 10 mL	1 unit/mL	<b>1.8 units</b>	1.8 mL	ARREST dose only. Push over 3 - 5 mins. High risk of hypoglycaemia. Monitor BSL closely
Sodium Bicarbonate 8.4%	1 mmol/mL	1 mmol/kg	Undiluted	1 mmol/mL	<b>18 mmol</b>	18 mL	Large vein push over 5 mins DO NOT mix with other drugs
Resonium A	–	0.25 g/kg	Mix 1 scoop (15 g) with 60 mL water	0.25 g/mL	<b>4.5 g</b>	18 mL	Oral, nasogastric or rectal
Hypocalcaemia – Critical (↓ calcium) Calcium gluconate (2.2 mmol/10 mL)	0.22 mmol/mL	0.11 mmol/kg	Undiluted	0.22 mmol/mL	<b>1.98 mmol</b>	9 mL	Large vein push over 3 - 5 mins DO NOT give with sodium bicarbonate
Hypomagnesaemia or Arrhythmia Magnesium Sulfate (10 mmol/5 mL)	2 mmol/mL	0.2 mmol/kg	Dilute 5 mL (10 mmol) to 50 mL	0.2 mmol/mL	<b>3.6 mmol</b>	18 mL	<b>Pulse absent</b> – Push over 3 - 5 mins <b>Pulse present</b> – Infuse over 20 mins

Trauma	Vial concentration	Recommended dose/kg	Dilution – Sodium Chloride 0.9%	Final concentration	Dose	Final volume	Administration
Blood – Initial		10 mL/kg			<b>180 mL</b>	180 mL	As clinically indicated
Tranexamic Acid – 1000 mg/10 mL	100 mg/mL	15 mg/kg	Dilute 10 mL (1000 mg) to 100 mL	10 mg/mL	<b>270 mg</b>	27 mL	Infuse over 10 mins

For ongoing bleeding refer to local Massive Haemorrhage Protocol for blood and product replacement

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Analgesia	Vial concentration	Recommended dose/kg	Preparation	Final concentration	Dose	Final volume to administer	Administration
Fentanyl – <b>Nasal</b> (100 microg/2 mL) Use Mucosal Atomiser Device (MAD)	50 microg/mL	1.5 microg /kg	Undiluted	50 microg/mL	<b>27 microg</b>	0.54 mL	Add 0.1 mL to initial dose to accommodate (MAD) dead space. May repeat after 5 - 10 mins
Fentanyl – <b>IV</b> (100 microg/2 mL)	50 microg/mL	0.5 - 1 microg/kg	Dilute 2 mL (100 microg) to 10 mL	10 microg/mL	<b>9 microg</b>	0.9 mL	Dose may be repeated after 5 mins if required
Morphine – <b>IV</b> (10 mg/mL)	10 mg/mL	0.05 - 0.1 mg/kg	Dilute 1 mL (10 mg) to 10 mL	1 mg/mL	<b>0.9 mg</b>	0.9 mL	Dose may be repeated after 5 mins if required

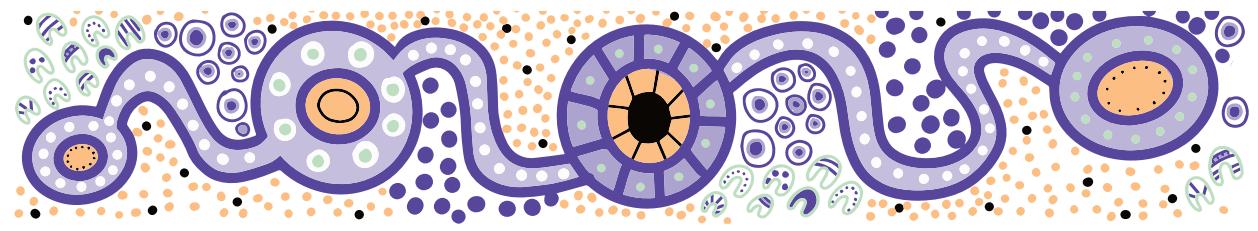
Analgesia if intraosseous <b>IO</b> drug or fluid administration causes pain	Vial concentration	Recommended dose/kg	Preparation	Final concentration	Dose	Final volume	Administration
Lidocaine 1% <b>IO</b>	10 mg/mL (1%)	0.5 mg/kg	Undiluted	10 mg/mL	<b>9 mg</b>	0.9 mL	Instill dose - Follow with 1 mL slow push of Sodium Chloride 0.9% over 1- 2 mins. Allow to dwell for 1 min. Rapid flush with 5 mL. Half original dose can be repeated as above

Antiarrhythmics - only in consultation with a Paediatric Cardiologist	Vial concentration	Recommended dose/kg	Preparation	Final concentration	Dose	Final volume	Administration
AmiODAROne (Load) 150 mg/3 mL							
Esmolol 100 mg/10 mL	10 mg/mL	0.25 - 0.5 mg/kg	Undiluted	10 mg/mL	<b>4.5 mg</b>	0.45 mL	LOAD – Push over 1 - 2 mins. Continuous infusion may be considered after loading dose
Verapamil 5 mg/2 mL	2.5 mg/mL	0.1 mg/kg	Dilute 2 mL (5 mg) up to 10 mL	0.5 mg/mL	<b>1.8 mg</b>	3.6 mL	Infuse over 5 - 10 mins

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# Queensland Paediatric Sepsis Program

Reducing the burden of sepsis on Queensland Children and families  
[childrens.health.qld.gov.au/sepsis](http://childrens.health.qld.gov.au/sepsis)



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Antimicrobials	Vial concentration	Recommended dose/kg	Preparation		Dose	Dose in mL	Administration - 1st dose
			Dilution – Sodium Chloride 0.9%	Final concentration			
Aciclovir (250 mg/10 mL) (500 mg/20 mL)	25 mg/mL	20 mg/kg	Dilute 20 mL (500 mg) to a final volume of 100 mL	5 mg/mL	<b>360 mg</b>	72 mL	Infuse over 60 mins
Amoxicillin (1 g)	1000 mg	50 mg/kg	Reconstitute 1 g vial with 5 mL WFI - Withdraw entire volume and further dilute to a final volume of 20 mL	50 mg/mL	<b>900 mg</b>	18 mL	Infuse over 30 mins. Doses of 100 mg/kg may be required for meningitis
AMPicillin (1 g)	1000 mg	50 mg/kg	Reconstitute 1 g vial with 5 mL WFI - Withdraw entire volume and further dilute to a final volume of 50 mL	20 mg/mL	<b>900 mg</b>	45 mL	Infuse over 15 mins. Doses of 100 mg/kg may be required for meningitis
Benzylpenicillin (1.2 g)	1200 mg	60 mg/kg	Reconstitute 1.2 g vial with 6 mL WFI - Withdraw entire volume and further dilute to a final volume of 20 mL	60 mg/mL	<b>1080 mg</b>	18 mL	Infuse over 30 mins
cefaZOLin (1 g)	1000 mg	50 mg/kg	Reconstitute 1 g vial with 5 mL WFI - Withdraw entire volume and further dilute to a final volume of 10 mL	100 mg/mL	<b>900 mg</b>	9 mL	PUSH over 3 - 5 mins
cefOTAXIME (1 g)	1000 mg	50 mg/kg	Reconstitute 1 g vial with 5 mL WFI - Withdraw entire volume and further dilute to a final volume of 10 mL	100 mg/mL	<b>900 mg</b>	9 mL	PUSH over 3 - 5 mins
cefOTAXIME <b>Intramuscular</b> (1 g)	1000 mg	50 mg/kg	Reconstitute 1 g vial with 2.6 mL WFI	330 mg/mL	<b>900 mg</b>	2.7 mL	<b>IM:</b> Max 1.5 mL per IM injection site
cefTAZIDIME (1 g)	1000 mg	50 mg/kg	Reconstitute 1 g vial with 5 mL WFI - Withdraw entire volume and further dilute to a final volume of 10 mL	100 mg/mL	<b>900 mg</b>	9 mL	PUSH over 3 - 5 mins
cefTRIAXONE (1 g)	1000 mg	50 mg/kg	Reconstitute 1 g vial with 5 mL WFI - Withdraw entire volume and further dilute to a final volume of 25 mL	40 mg/mL	<b>900 mg</b>	23 mL	PUSH over 5 mins
cefTRIAXONE <b>Intramuscular</b> (1 g)	1000 mg	50 mg/kg	Reconstitute 1 g vial with 2.3 mL Lidocaine 1%	350 mg/mL	<b>900 mg</b>	2.6 mL	<b>IM:</b> Max 1.5 mL per IM injection site

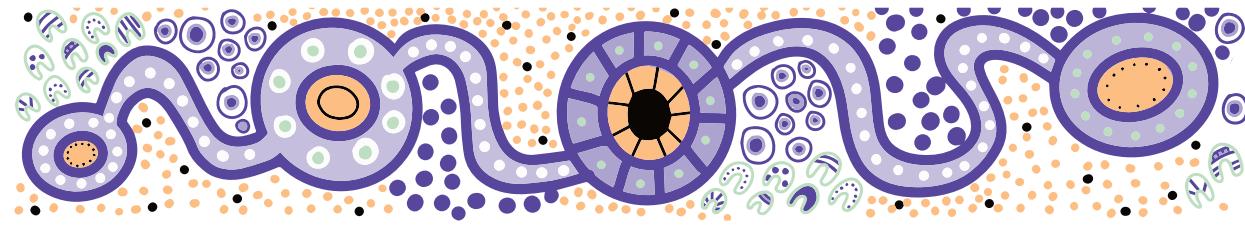
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Antimicrobials	Vial concentration	Recommended dose/kg	Preparation		Dose	Dose in mL	Administration - 1st dose
			Dilution – Sodium Chloride 0.9%	Final concentration			
Ciprofloxacin (200 mg/100 mL)	2 mg/mL	10 mg/kg	Undiluted	2 mg/mL	<b>180 mg</b>	90 mL	Infuse over 60 mins
Clindamycin (600 mg/4 mL)	150 mg/mL	10 mg/kg	Dilute 4 mL (600 mg) to a final volume of 60 mL	10 mg/mL	<b>180 mg</b>	18 mL	Infuse over 30 mins
Flucloxacillin (1 g)	1000 mg	50 mg/kg	Reconstitute 1 g vial with 5 mL WFI - Withdraw entire volume and further dilute to a final volume of 20 mL	50 mg/mL	<b>900 mg</b>	18 mL	PUSH over 3 - 5 mins (phlebitis risk) OR Infuse over 30 mins
Gentamicin (80 mg/2 mL)	40 mg/mL	7.5 mg/kg	Dilute 4 mL (160 mg) to a final volume of 16 mL	10 mg/mL	<b>135 mg</b>	13.5 mL	Infuse over 30 mins
linCOMYCIN (600 mg/2 mL)	300 mg/mL	15 mg/kg	Dilute 2 mL (600 mg) to a final volume of 60 mL	10 mg/mL	<b>270 mg</b>	27 mL	Infuse over 60 mins
Meropenem (1 g)	1000 mg	40 mg/kg	Reconstitute 1 g vial with 5 mL WFI - Withdraw entire volume and further dilute to a final volume of 20 mL	50 mg/mL	<b>720 mg</b>	14.4 mL	PUSH over 5 mins
Metronidazole (500 mg/100 mL)	5 mg/mL	7.5 mg/kg	Undiluted	5 mg/mL	<b>135 mg</b>	27 mL	Infuse over 20 mins
Piperacillin/Tazobactam (4000 mg - 500 mg)	4000 mg Piperacillin + 500 mg Tazobactam	100 mg/kg	Reconstitute 4 g vial with 20 mL WFI - Withdraw entire volume and further dilute to a final volume of 50 mL	80 mg/mL	<b>1800 mg</b>	23 mL	Infuse over 30 mins. Dose based on Piperacillin component
Vancomycin (500 mg)	500 mg	15 mg/kg	Reconstitute 500 mg vial with 3 mL WFI - Withdraw entire volume and further dilute to a final volume of 100 mL	5 mg/mL	<b>270 mg</b>	54 mL	Infuse over 60 - 120 mins

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# Infusions

Drug	Vial concentration	Recommended dose/kg range	Preparation		Final rate range	Administration/route
			Glucose 5% or Sodium Chloride 0.9%	Final concentration		
<b>Inotropes</b>						
Adrenaline (Epinephrine)	1:1000; 1 mg/mL	<b>0.05 to 1 microg/kg/min</b>	Dilute <b>1 mL (1 mg)</b> to 50 mL	20 microg/mL	<b>2.7 to 54 mL/hr</b>	IV
Dobutamine	250 mg/20 mL	<b>2 to 20 microg/kg/min</b>	Dilute <b>6 mL (75 mg)</b> to 50 mL	1.5 mg/mL	<b>1.4 to 14.4 mL/hr</b>	IV
Noradrenaline (Norepinephrine)	4 mg/4 mL	<b>0.05 to 1 microg/kg/min</b>	Dilute <b>1 mL (1 mg)</b> to 50 mL	20 microg/mL	<b>2.7 to 54 mL/hr</b>	IV
<b>Antiarrhythmics - only in consultation with a Paediatric Cardiologist</b>						
AmiODAROne <u>LOAD</u>	50 mg/mL	<b>25 microg/kg/min</b> (for 4 hrs)	Dilute <b>2 mL (100 mg)</b> to 50 mL in Glucose 5%	2 mg/mL	<b>Dose 108 mg (54 mL) infuse at 13.5 mL/hr</b>	IV
AmiODAROne [after loading dose]	50 mg/mL	<b>5 to 15 microg/kg/min</b>	Dilute <b>2 mL (100 mg)</b> to 50 mL in Glucose 5%	2 mg/mL	<b>2.7 to 8.1 mL/hr</b>	IV
Esmolol	100 mg/10 mL	<b>50 to 200 microg/kg/min</b>	Undiluted – draw up 50 mL (500 mg)	10 mg/mL	<b>5.4 to 21.6 mL/hr</b>	IV
<b>Sedation</b>						
Fentanyl	100 microg/2 mL	<b>1 to 8.5 microg/kg/hr</b>	Dilute <b>10 mL (500 microg)</b> to 50 mL	10 microg/mL	<b>1.8 to 15 mL/hr</b>	IV
Ketamine	200 mg/2 mL	<b>5 to 20 microg/kg/min</b>	Dilute <b>2 mL (200 mg)</b> to 50 mL	4 mg/mL	<b>1.4 to 5.4 mL/hr</b>	IV
Midazolam	Various strengths	<b>30 to 120 microg/kg/hr</b>	Dilute <b>10 mg</b> to 50 mL	0.2 mg/mL	<b>2.7 to 10.8 mL/hr</b>	IV
Morphine	Various strengths	<b>5 to 80 microg/kg/hr</b>	Dilute <b>5 mg</b> to 50 mL	0.1 mg/mL	<b>0.9 to 14.4 mL/hr</b>	IV
PropOFol	200 mg/20 mL	<b>0.3 to 4 mg/kg/hr</b>	Undiluted – draw up <b>50 mL (500 mg)</b>	10 mg/mL	<b>0.5 to 7.2 mL/hr</b>	IV
<b>Diabetic Ketoacidosis</b>						
Insulin (neutral) ACTRAPID	300 units/3 mL	<b>0.05 to 0.1 units/kg/hr</b>	Dilute <b>0.5 mL (50 units)</b> to 50 mL with Sodium Chloride 0.9%	1 unit/mL	<b>0.9 to 1.8 mL/hr</b>	IV
<b>Asthma</b>						
Aminophylline [after loading dose]	250 mg/10 mL	<b>1 mg/kg/hr</b>	Dilute <b>10 mL (250 mg)</b> to 50 mL	5 mg/mL	<b>3.6 mL/hr</b>	IV
Salbutamol	5 mg/5 mL	<b>0.5 to 1 microg/kg/min</b>	Undiluted – draw up <b>50 mL (50 mg)</b>	1 mg/mL	<b>0.6 to 1.2 mL/hr</b>	IV
<b>Paralytic Agents – only on discussion with Paediatric Intensivist</b>						
Vecuronium	10 mg vial	<b>1 to 3 microg/kg/min</b>	Dilute <b>25 mL (50 mg)</b> to 50 mL	1 mg/mL	<b>1.1 to 3.2 mL/hr</b>	IV
<b>Electrolytes</b>						
Hyperkalaemia Glucose 10%	–	<b>5 mL/kg/hr</b>	Use a glucose 10% bag – Undiluted <i>Administer with Actrapid infusion</i>	10%	<b>90 mL/hr</b>	IV. Run insulin and glucose infusions (concurrently) until K+ within range monitor BSLs
AND ACTRAPID (Insulin neutral)	300 units/3 mL	<b>0.1 units/kg/hr</b>	Dilute <b>0.5 mL (50 units)</b> to 50 mL with Sodium Chloride 0.9% <i>Administer with Glucose infusion</i>	1 unit/mL	<b>1.8 mL/hr</b>	

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