STANDARD CONCENTRATION DRUG LIBRARY TSCUH

PICU Full Library

Actual Rate (mL/hour) = Actual Dose x Default Rate / Default Dose

Drug	Weight	SCI (Normal)	Flow Rate Calculator Default rate = Default dose *All weights in kg*	Diluent	Usual Dose Range	SCI (High)	Flow Rate Calculator Default rate = Default dose *All weights in kg*
Aciclovir	All	5mg/mL	*No default dose programmed*	Glucose 5%w/v NaCl 0.9%w/v	10-20mg/kg over 1 hour	25mg/mL (Neat) CVC	*No default dose programmed*
Adrenaline	≤2.5kg	1mg/50mL	(0.15 x Wt)mL/hr = 0.05 microgram/kg/min	Glucose 5%w/v NaCl 0.9%w/v Glucose 10%w/v	0 -0.1microgram/kg/min	3mg/50mL	(0.05 x Wt)mL/hr = 0.05 microgram/kg/min
	>2.5 - ≤5kg	1mg/50mL	(0.15 x Wt)mL/hr = 0.05 microgram/kg/min			3mg/50mL	(0.05 x Wt)mL/hr = 0.05 microgram/kg/min
	>5 -≤10kg	3mg/50mL	(0.05 x Wt)mL/hr = 0.05 microgram/kg/min			6mg/50mL	(0.025 x Wt)mL/hr = 0.05 microgram/kg/min
	>10 - ≤20kg	6mg/50mL	(0.025 x Wt)mL/hr = 0.05 microgram/kg/min			12mg/50mL	(0.0125 x Wt)mL/hr = 0.05 microgram/kg/min
	>20kg	6mg/50mL	(0.025 x Wt)mL/hr = 0.05 microgram/kg/min			12mg/50mL	(0.0125 x Wt)mL/hr = 0.05 microgram/kg/min
Albumin 20%	All	1g/5mL	VTBI for 1g/kg dose = (5 x Wt)mL	n/a	1g/kg over 4 hours	n/a	n/a
Alteplase Infusion	≤2.5kg	0.2mg/mL	(0.5 x Wt)mL/hr = 0.1 mg/kg/hour	NaCl 0.9%w/v	0.1 - 0.5mg/kg/hour	n/a	n/a
	>2.5 - ≤5kg	0.5mg/mL	(0.2 x Wt)mL/hr = 0.1 mg/kg/hour	NaCl 0.9%w/v			
	>5 -≤10kg	1mg/mL	(0.1 x Wt)mL/hr = 0.1 mg/kg/hour	n/a			
	>10 - ≤20kg	2mg/mL	(0.05 x Wt)mL/hr = 0.1 mg/kg/hour	n/a			
(>20kg Also offered non-weight based option)	>20kg	2mg/mL	(0.05 x Wt)mL/hr = 0.1 mg/kg/hour	n/a			
Alteplase Load (Weight-based)	≤2.5kg	0.2mg/mL	VTBI for 0.1mg/kg dose = (0.5 x Wt)mL	NaCl 0.9%w/v	0.1 - 0.5mg/kg over 10 mins	n/a	n/a
	>2.5 - ≤5kg	0.5mg/mL	VTBI for 0.1mg/kg dose = (0.2 x Wt)mL	NaCl 0.9%w/v			
	>5 -≤10kg	1mg/mL	VTBI for 0.1mg/kg dose = (0.1 x Wt)mL	n/a			
	>10 - ≤20kg	2mg/mL	VTBI for 0.1mg/kg dose = (0.05 x Wt)mL	n/a			
(>20kg Also offered non-weight based option)	>20kg	2mg/mL	VTBI for 0.1mg/kg dose = (0.05 x Wt)mL	n/a			
Alteplase Infusion NON-weight based	>20kg	2mg/mL	7.5mL/hour = 15mg/hour	n/a	15-90mg/hour	n/a	n/a
Alteplase Load NON-weight based	>20kg	2mg/mL	VTBI for 10mg dose = 5mL	n/a	10-15mg over 10 mins	n/a	n/a
Amikacin	All	2mg/mL	*No default dose programmed*	Glucose 5%w/v NaCl 0.9%w/v	5 - 20mg/kg over 30-120 mins	10mg/mL	*No default dose programmed*
Aminophylline Load (Peripheral)	≤2.5kg	50mg/50mL		Glucose 5%w/v NaCl 0.9%w/v	5mg/kg over 30mins (Max 500mg)	n/a	n/a
	All >2.5kg	50mg/50mL or 500mg/500mL	VTBI for 5mg/kg dose = (5 x Wt)mL				
Aminophylline Load (CVC)	All <10kg	250mg/25mL	VTBI for 5mg/kg dose = (0.5 x Wt)mL	Glucose 5%w/v NaCl 0.9%w/v	5mg/kg over 30mins (Max 500mg)	n/a	n/a
	10-20kg	500mg/50mL	VTBI for 5mg/kg dose = (0.5 x Wt)mL				
	>20kg	1000mg/50mL	VTBI for 5mg/kg dose = (0.25 x Wt)mL				
Aminophylline Maintenance (Peripheral)	≤2.5kg	50mg/50mL		Glucose 5%w/v NaCl 0.9%w/v	0-1mg/kg/hr	n/a	n/a
	All >2.5kg	50mg/50mL or 500mg/500mL	(0.5 x Wt)mL/hr = 0.5 mg/kg/hour				
Aminophylline Maintenance (CVC)	All <10kg	250mg/25mL	(0.05 x Wt)mL/hr = 0.5 mg/kg/hour	Glucose 5%w/v NaCl 0.9%w/v	0-1mg/kg/hr	n/a	n/a
	10-20kg	500mg/50mL	(0.05 x Wt)mL/hr = 0.5 mg/kg/hour				
	>20kg	1000mg/50mL	(0.025 x Wt)mL/hr = 0.5 mg/kg/hour				

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Drug	Weight	SCI (Normal)	Flow Rate Calculator Default rate = Default dose *All weights in kg*	Diluent	Usual Dose Range	SCI (High)	Flow Rate Calculator Default rate = Default dose *All weights in kg*
Amiodarone Load (Weight-Based) (CVC) (Over 1-4 hours)	≤2.5kg	50mg/50mL	VTBI for 5mg/kg dose = (5 x Wt)mL	Glucose 5%w/v	5mg/kg over 1 - 4 hours	150mg/50mL	VTBI for 5mg/kg dose = (1.67 x Wt)mL
	>2.5 - ≤5kg	50mg/50mL	VTBI for 5mg/kg dose = (5 x Wt)mL			150mg/50mL	VTBI for 5mg/kg dose = (1.67 x Wt)mL
	>5 -≤10kg	150mg/50mL	VTBI for 5mg/kg dose = (1.67 x Wt)mL			300mg/50mL	VTBI for 5mg/kg dose = (0.83 x Wt)mL
	>10 - ≤20kg	300mg/50mL	VTBI for 5mg/kg dose = (0.83 x Wt)mL			600mg/50mL	VTBI for 5mg/kg dose = (0.42 x Wt)mL
(>20kg Also offered non-weight based option)	>20kg	600mg/50mL	VTBI for 5mg/kg dose = (0.42 x Wt)mL			1200mg/50mL	VTBI for 5mg/kg dose = (0.21 x Wt)mL
Amiodarone Load 300mg fixed dose (CVC)	>20kg ONLY	600mg/50mL	VTBI for 300mg dose = 25mL	Glucose 5%w/v	300mg over 1 - 4 hours	1200mg/50mL	VTBI for 300mg dose = 12.5mL
Amiodarone Maintenance (Weight-Based) (CVC)	≤2.5kg	50mg/50mL	(0.3 x Wt)mL/hr = 5 microgram/kg/min	Glucose 5%w/v	5-15microgram/kg/min	150mg/50mL	(0.1 x Wt)mL/hr = 5 microgram/kg/min
	>2.5 - ≤5kg	50mg/50mL	(0.3 x Wt)mL/hr = 5 microgram/kg/min			150mg/50mL	(0.1 x Wt)mL/hr = 5 microgram/kg/min
	>5 -≤10kg	150mg/50mL	(0.1 x Wt)mL/hr = 5 microgram/kg/min			300mg/50mL	(0.05 x Wt)mL/hr = 5 microgram/kg/min
	>10 - ≤20kg	300mg/50mL	(0.05 x Wt)mL/hr = 5 microgram/kg/min			600mg/50mL	(0.025 x Wt)mL/hr = 5 microgram/kg/min
(>20kg Also offered non-weight based option)	>20kg	600mg/50mL	(0.025 x Wt)mL/hr = 5 microgram/kg/min			1200mg/50mL	(0.0125 x Wt)mL/hr = 5 microgram/kg/min
Amiodarone Maintenance (NON-Wt Based) (CVC. Pts >60kg)	>20kg ONLY	600mg/50mL	4.2mL/hour = 50mg/hour	Glucose 5%w/v	1200mg/24 hours Reduce to 40mg/hour for 23 hours post Load	1200mg/50mL	2.1mL/hour = 50mg/hour
Amiodarone Load (Wt-Based) (Peripheral) *(>20kg Also offered non-weight based option)*	All	50mg/50mL 300mg/250mL	VTBI for 5mg/kg dose = (5 x Wt)mL VTBI for 5mg/kg dose = (4.2 x Wt)mL	Glucose 5%w/v	5mg/kg over 1 - 4 hours	n/a	n/a
Amiodarone Load (NON Wt-Based) (Peripheral. Pts >60kg)	>20kg ONLY	300mg/250mL	VTBI for 300mg dose = 250mL	Glucose 5%w/v	300mg over 1 hour	n/a	n/a
Amiodarone Maintenance (Wt-Based) (Peripheral) *(>20kg Also offered non-weight based option)*	All	50mg/50mL 300mg/250mL	(0.3 x Wt)mL/hr = 5 microgram/kg/min (0.25 x Wt)mL/hr = 5 microgram/kg/min	Glucose 5%w/v	5-15microgram/kg/min	n/a	n/a
Amiodarone Maintenance (NON Wt-Based) (Peripheral. Pts >60kg) *(>20kg Also offered non-weight based option)*	>20kg ONLY	300mg/250mL	41.7mL/hour = 50mg/hour	Glucose 5%w/v	1200mg/24 hours Reduce to 40mg/hour for 23 hours post Load	n/a	n/a
Arginine Load *(In own care unit on pumps - "Metabolic Agents")*	All	5g/50mL (Perfusor) or 100mg/mL (Infusomat) *see protocol*	VTBI for 250mg/kg dose = (2.5 x Wt)mL	Glucose 10%w/v	250mg/kg over 90 mins	n/a	n/a
Arginine Maintenance *(In own care unit on pumps - "Metabolic Agents")*	All	5g/50mL (Perfusor) or 100mg/mL (Infusomat) *see protocol*	(0.083 x Wt)mL/hr = 200mg/kg/24hours	Glucose 10%w/v	200 - 500mg/kg/24hours	n/a	n/a
Atracurium Infusion	≤2.5kg	40mg/20mL	(0.15 x Wt)mL/hr = 300 microgram/kg/hr	Glucose 5%w/v NaCl 0.9%w/v Neat	300-800microgram/kg/hr	10mg/mL(Neat)	(0.03 x Wt)mL/hr = 300 microgram/kg/hr
	>2.5 - ≤5kg	40mg/20mL	(0.15 x Wt)mL/hr = 300 microgram/kg/hr			10mg/mL(Neat)	(0.03 x Wt)mL/hr = 300 microgram/kg/hr
	All >5kg	10mg/mL(Neat)	(0.03 x Wt)mL/hr = 300 microgram/kg/hr			10mg/mL(Neat)	(0.03 x Wt)mL/hr = 300 microgram/kg/hr
Calcium Gluconate (Cen)	All	11.3mmol/50mL (Neat)	(0.18 x Wt)mL/hr = 1 mmol/kg/24hours (0.04mmol/kg/hour)	n/a	0.5 - 1mmol/kg/24hrs	n/a	n/a
Calcium Gluconate (P)	All	2.25mmol/50mL	(0.9 x Wt)mL/hr = 1 mmol/kg/24hours (0.04mmol/kg/hour)	Glucose 5%w/v NaCl 0.9%w/v	0.5 - 1mmol/kg/24hrs	n/a	n/a
Ciprofloxacin *(>20kg Also offered non-weight based option)*	All	2mg/mL	VTBI for 10mg/kg dose = (5 x Wt)mL	n/a	10mg/kg over 1 hour	n/a	n/a
Ciprofloxacin 400mg Fixed Dose	>20kg ONLY	400mg/200mL	VTBI for 400mg dose = 200mL	n/a	400mg over 1 hour	n/a	n/a

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Drug	Weight	SCI (Normal)	Flow Rate Calculator Default rate = Default dose *All weights in kg*	Diluent	Usual Dose Range	SCI (High)	Flow Rate Calculator Default rate = Default dose *All weights in kg*
Clonidine	≤2.5kg	150microgram/50mL	(0.167 x Wt)mL/hr = 0.5 microgram/kg/hr	Glucose 5%w/v NaCl 0.9%w/v	0 -2microgram/kg/hr	300microgram/50mL	(0.084 x Wt)mL/hr = 0.5 microgram/kg/hr
	>2.5 - ≤5kg	150microgram/50mL	(0.167 x Wt)mL/hr = 0.5 microgram/kg/hr			300microgram/50mL	(0.084 x Wt)mL/hr = 0.5 microgram/kg/hr
	>5 -≤10kg	300microgram/50mL	(0.084 x Wt)mL/hr = 0.5 microgram/kg/hr			600microgram/50mL	(0.042 x Wt)mL/hr = 0.5 microgram/kg/hr
	>10 - ≤20kg	600microgram/50mL	(0.042 x Wt)mL/hr = 0.5 microgram/kg/hr			1200microgram/50mL	(0.021 x Wt)mL/hr = 0.5 microgram/kg/hr
	>20kg	1200microgram/50mL	(0.021 x Wt)mL/hr = 0.5 microgram/kg/hr			1200microgram/50mL	(0.021 x Wt)mL/hr = 0.5 microgram/kg/hr
CVVH Heparin - *(In own care unit on pumps)*	≤2.5kg	1000units/50mL	(0.5 x Wt)mL/hr = 10 units/kg/hr	NaCl 0.9%w/v Glucose 5%w/v	5-20 unit/kg/hr	n/a	n/a
	>2.5 - ≤5kg	2,500units/50mL	(0.2 x Wt)mL/hr = 10 units/kg/hr				
	>5 -≤10kg	2,500units/50mL	(0.2 x Wt)mL/hr = 10 units/kg/hr				
	>10 - ≤20kg	5,000units/50mL	(0.1 x Wt)mL/hr = 10 units/kg/hr				
	>20kg	10,000units/50mL	(0.05 x Wt)mL/hr = 10 units/kg/hr				
CVVH Phosphate **(As Sodium Phosphate)** *(In own care unit on pumps)*	All	15mmol/50mL	1mL/hour = 0.3mmol/hour Non-weight based	NaCl 0.9%w/v	0.3 - 0.6mmol/hr	n/a	n/a
Dexmedetomidine Continuous	All	200mcg/50mL	(0.125 x Wt)mL/hr = 0.5 microgram/kg/hr	Glucose 5%w/v NaCl 0.9%w/v	0.2-0.7microgram/kg/hr	n/a	n/a
Dexmedetomidine Load	All	200mcg/50mL	VTBI for 1microgram/kg dose = (0.25 x Wt)mL	Glucose 5%w/v NaCl 0.9%w/v	0-1microgram/kg over 10-30min	n/a	n/a
Dinoprostone	All ≤5kg	50microgram/50mL	(0.3 x Wt)mL/hr = 5 nanogram/kg/min	Glucose 5%w/v	5-10nanogram/kg/min	n/a	n/a
Dinoprostone (High Dose)	All ≤5kg	400microgram/50mL	(0.3 x Wt)mL/hr = 40 nanogram/kg/min	Glucose 5%w/v	As per cardiologist	n/a	n/a
Dobutamine **(CVC ideally)**	≤2.5kg	75mg/50mL	(0.2 x Wt)mL/hr = 5 microgram/kg/min	Glucose 5%w/v NaCl 0.9%w/v Glucose 10%	2-20microgram/kg/min	150mg/50mL	(0.1 x Wt)mL/hr = 5 microgram/kg/min
	>2.5 - ≤5kg	150mg/50mL	(0.1 x Wt)mL/hr = 5 microgram/kg/min			250mg/50mL	(0.06 x Wt)mL/hr = 5 microgram/kg/min
	>5 -≤10kg	150mg/50mL	(0.1 x Wt)mL/hr = 5 microgram/kg/min			250mg/50mL	(0.06 x Wt)mL/hr = 5 microgram/kg/min
	>10 - ≤20kg	250mg/50mL	(0.06 x Wt)mL/hr = 5 microgram/kg/min			250mg/50mL	(0.06 x Wt)mL/hr = 5 microgram/kg/min
	>20kg	250mg/50mL	(0.06 x Wt)mL/hr = 5 microgram/kg/min			250mg/50mL	(0.06 x Wt)mL/hr = 5 microgram/kg/min
Dopamine (Central)	≤2.5kg	75mg/50mL	(0.2 x Wt)mL/hr = 5 microgram/kg/min	Glucose 5%w/v NaCl 0.9%w/v Glucose 10%	2-20microgram/kg/min	150mg/50mL	(0.1 x Wt)mL/hr = 5 microgram/kg/min
	>2.5 - ≤5kg	150mg/50mL	(0.1 x Wt)mL/hr = 5 microgram/kg/min			250mg/50mL	(0.06 x Wt)mL/hr = 5 microgram/kg/min
	>5 -≤10kg	150mg/50mL	(0.1 x Wt)mL/hr = 5 microgram/kg/min			250mg/50mL	(0.06 x Wt)mL/hr = 5 microgram/kg/min
	>10 - ≤20kg	250mg/50mL	(0.06 x Wt)mL/hr = 5 microgram/kg/min			500mg/50mL	(0.03 x Wt)mL/hr = 5 microgram/kg/min
	>20kg	250mg/50mL	(0.06 x Wt)mL/hr = 5 microgram/kg/min			500mg/50mL	(0.03 x Wt)mL/hr = 5 microgram/kg/min
Dopamine (Peripheral)	All	75mg/50mL	(0.2 x Wt)mL/hr = 5 microgram/kg/min	Glucose 5%w/v NaCl 0.9%w/v	2-20microgram/kg/min	n/a	n/a
Epoprostenol		25mcg/50mL (only<10kg)	(0.24 x Wt)mL/hr = 2 nanogram/kg/min	Glycine diluent	2-20nanogram/kg/min	n/a	n/a
	All	100mcg/50mL (All)	(0.06 x Wt)mL/hr = 2 nanogram/kg/min				
		500mcg/50mL (All)	(0.012 x Wt)mL/hr = 2 nanogram/kg/min				
		2000mcg/50mL (>10kg only)	(0.003 x Wt)mL/hr = 2 nanogram/kg/min				

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Esmolol **(CVC ideally)**	≤2.5kg >2.5 - ≤5kg All >5kg	10mg/mL(neat) 10mg/mL(neat) 10mg/mL(neat) OR (Infusomat) 2500mg/250mL	(0.3 x Wt)mL/hr = 50 microgram/kg/min	n/a	50-200 microgram/kg/min	n/a	n/a
Fentanyl	≤2.5kg >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg >20kg	250mcg/50mL 250mcg/50mL 500mcg/50mL 1000mcg/50mL 2500mcg/50mL	(0.2 x Wt)mL/hr = 1 microgram/kg/hr (0.2 x Wt)mL/hr = 1 microgram/kg/hr (0.1 x Wt)mL/hr = 1 microgram/kg/hr (0.05 x Wt)mL/hr = 1 microgram/kg/hr (0.02 x Wt)mL/hr = 1 microgram/kg/hr	Glucose 5%w/v NaCl 0.9%w/v	0 -6microgram/kg/hr	500mcg/50mL 500mcg/50mL 1000mcg/50mL 2500mcg/50mL 2500mcg/50mL	(0.1 x Wt)mL/hr = 1 microgram/kg/hr (0.1 x Wt)mL/hr = 1 microgram/kg/hr (0.05 x Wt)mL/hr = 1 microgram/kg/hr (0.02 x Wt)mL/hr = 1 microgram/kg/hr (0.02 x Wt)mL/hr = 1 microgram/kg/hr
Fluconazole **(Weight based)** *(>20kg Also offered non-weight based option)*	All	2mg/mL	*No default dose programmed*	n/a	3-12mg/kg over 10-30 mins (Max 10-20mg/min)	n/a	n/a
Fluconazole 50-400mg Fixed Doses	>20kg ONLY	2mg/mL	*No default dose programmed*	n/a	50-400mg over 10-30mins (Max 10-20mg/min)	n/a	n/a
Furosemide	≤2.5kg >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg >20kg	50mg/50mL 50mg/50mL 50mg/50mL 100mg/50mL 500mg/50mL (Neat)	(0.125 x Wt)mL/hr = 0.125 mg/kg/hr (0.125 x Wt)mL/hr = 0.125 mg/kg/hr (0.125 x Wt)mL/hr = 0.125 mg/kg/hr (0.0625 x Wt)mL/hr = 0.125 mg/kg/hr (0.0125 x Wt)mL/hr = 0.125 mg/kg/hr	NaCl 0.9%w/v	0-0.5mg/kg/hr	100mg/50mL 100mg/50mL 100mg/50mL 250mg/50mL 500mg/50mL (Neat)	(0.0625 x Wt)mL/hr = 0.125 mg/kg/hr (0.0625 x Wt)mL/hr = 0.125 mg/kg/hr (0.0625 x Wt)mL/hr = 0.125 mg/kg/hr (0.025 x Wt)mL/hr = 0.125 mg/kg/hr (0.0125 x Wt)mL/hr = 0.125 mg/kg/hr
Gentamicin	All	2mg/mL	*No default dose programmed*	Glucose 5%w/v NaCl 0.9%w/v	Neonate: 5mg/kg >1 month: 7mg/kg Both over 30mins	10mg/mL	*No default dose programmed*
Glyceryl Trinitrate **(Central Line Only)**	≤2.5kg >2.5 - ≤5kg All >5kg	20mg/50mL 20mg/50mL 50mg/50mL	(0.15 x Wt)mL/hr = 1 microgram/kg/min (0.15 x Wt)mL/hr = 1 microgram/kg/min (0.06 x Wt)mL/hr = 1 microgram/kg/min	Glucose 5%w/v NaCl 0.9%w/v	0.2-10microgram/kg/min	50mg/50mL 50mg/50mL 50mg/50mL	(0.06 x Wt)mL/hr = 1 microgram/kg/min (0.06 x Wt)mL/hr = 1 microgram/kg/min (0.06 x Wt)mL/hr = 1 microgram/kg/min
Heparin Load	≤2.5kg >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg >20kg	2,500units/50mL 2,500units/50mL 10,000units/50mL 10,000units/50mL 25,000units/50mL	VTBI for 75units/kg dose = (1.5 x Wt)mL VTBI for 75units/kg dose = (1.5 x Wt)mL VTBI for 75units/kg dose = (0.375 x Wt)mL VTBI for 75units/kg dose = (0.375 x Wt)mL VTBI for 75units/kg dose = (0.15 x Wt)mL	NaCl 0.9%w/v Glucose 5%w/v	75 units/kg over 10mins	n/a	n/a
Heparin (Treatment > 1yr)	>5-20kg >20kg	10,000units/50mL 25,000units/50mL	(0.1 x Wt)mL/hr = 20 units/kg/hr (0.04 x Wt)mL/hr = 20 units/kg/hr	NaCl 0.9%w/v Glucose 5%w/v	0 -40unit/kg/hr	n/a	n/a
Heparin (Treatment < 1yr)	≤2.5kg >2.5 - ≤5kg >5-10kg 10-20kg	2,500units/50mL 2,500units/50mL 10,000units/50mL 10,000units/50mL	(0.56 x Wt)mL/hr = 28 units/kg/hr (0.56 x Wt)mL/hr = 28 units/kg/hr (0.14 x Wt)mL/hr = 28 units/kg/hr (0.14 x Wt)mL/hr = 28 units/kg/hr	NaCl 0.9%w/v Glucose 5%w/v	0 -40unit/kg/hr	n/a	n/a

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Insulin (Non-DKA)	≤2.5kg	5unit/50mL	(0.1 x Wt)mL/hr = **0.01** units/kg/hr	NaCl 0.9%w/v	0 -0.1unit/kg/hr	10unit/50mL	(0.05 x Wt)mL/hr = **0.01** units/kg/hr
	>2.5 - ≤5kg	5unit/50mL	(0.1 x Wt)mL/hr = **0.01** units/kg/hr			10unit/50mL	(0.05 x Wt)mL/hr = **0.01** units/kg/hr
	>5 -≤10kg	20unit/50mL	(0.025 x Wt)mL/hr = **0.01** units/kg/hr			50unit/50mL	(0.01 x Wt)mL/hr = **0.01** units/kg/hr
	>10 - ≤20kg	50unit/50mL	(0.01 x Wt)mL/hr = **0.01** units/kg/hr			50unit/50mL	(0.01 x Wt)mL/hr = **0.01** units/kg/hr
	>20kg	50unit/50mL	(0.01 x Wt)mL/hr = **0.01** units/kg/hr			50unit/50mL	(0.01 x Wt)mL/hr = **0.01** units/kg/hr
Insulin (DKA)	All	50unit/50mL	(0.1 x Wt)mL/hr = **0.1** units/kg/hr	NaCl 0.9%w/v	0 -0.1unit/kg/hr	n/a	n/a
Isoprenaline (Weight Based) *All >5kg also offered non-weight based dosing option* *(Lower conc for short/low dose infusions)*	≤2.5kg	0.2mg/10mL	(0.15 x Wt)mL/hr = 0.05 microgram/kg/min	Glucose 5%w/v NaCl 0.9%w/v	0.02-0.5microgram/kg/min (neonate) 0.02-1microgram/kg/min (non-neonate)	0.6mg/10mL	(0.05 x Wt)mL/hr = 0.05 microgram/kg/min
	>2.5 - ≤5kg	0.4mg/20mL	(0.15 x Wt)mL/hr = 0.05 microgram/kg/min			3mg/50ml	(0.05 x Wt)mL/hr = 0.05 microgram/kg/min
	>5 -≤10kg	1mg/50ml	(0.15 x Wt)mL/hr = 0.05 microgram/kg/min			3mg/50ml	(0.05 x Wt)mL/hr = 0.05 microgram/kg/min
	>10 - ≤20kg	1mg/50ml	(0.15 x Wt)mL/hr = 0.05 microgram/kg/min			3mg/50ml	(0.05 x Wt)mL/hr = 0.05 microgram/kg/min
Isoprenaline NON-Wt Based *(Lower conc for short/low dose infusions)*	>5 -≤10kg >10 - ≤20kg >20kg	1mg/50ml	3mL/hour = 1 microgram/min (Non-Weight based dosing)	Glucose 5%w/v NaCl 0.9%w/v	1-20mcg/min (Non-Wt based dosing)	3mg/50ml	1mL/hour = 1 microgram/min (Non-Weight based dosing)
Ketamine **(CVC ideally)**	≤2.5kg	50mg/50mL	(0.12 x Wt)mL/hr = 2 microgram/kg/min	NaCl 0.9%w/v Glucose 5%w/v	Analgesia: 0-7microgram/kg/min Sedation: 5-20microgram/kg/min	50mg/50mL	(0.12 x Wt)mL/hr = 2 microgram/kg/min
	>2.5 - ≤5kg	50mg/50mL	(0.12 x Wt)mL/hr = 2 microgram/kg/min			100mg/50mL	(0.06 x Wt)mL/hr = 2 microgram/kg/min
	>5 -≤10kg	50mg/50mL	(0.12 x Wt)mL/hr = 2 microgram/kg/min			100mg/50mL	(0.06 x Wt)mL/hr = 2 microgram/kg/min
	>10 - ≤20kg	100mg/50mL	(0.06 x Wt)mL/hr = 2 microgram/kg/min			200mg/50mL	(0.03 x Wt)mL/hr = 2 microgram/kg/min
	>20kg	200mg/50mL	(0.03 x Wt)mL/hr = 2 microgram/kg/min			500mg/50mL	(0.012 x Wt)mL/hr = 2 microgram/kg/min
Labetalol *(If large volumes needed, neat solution may be given using 250mL empty bag)*	All	50mg/50mL OR 500mg/500ml	(0.5 x Wt)mL/hr = 0.5 mg/kg/hour	NaCl 0.9%w/v Glucose 5%w/v	0.5-3mg/kg/hr Pts >12yrs (30-120mg/hour)	5mg/mL (Neat) CVC only	(0.1 x Wt)mL/hr = 0.5 mg/kg/hour
Lidocaine - Pain *(If large volumes needed, neat solution may be given using 250mL empty bag)*	All >5kg only	5mg/mL	(0.3 x Wt)mL/hr = 1.5 mg/kg/hour	Glucose 5%w/v NaCl 0.9%w/v	1.5 - 4mg/kg/hour	10mg/mL (Neat)	(0.15 x Wt)mL/hr = 1.5 mg/kg/hour
Liothyronine (Weight Based) *(Use bolus function to give loading dose)*	All	20microgram/20mL	(0.05 x Wt)mL/hr = 0.05 microgram/kg/hour	NaCl 0.9%w/v Glucose 5%w/v	0.05 - 0.2microgram/kg/hr	n/a	n/a
Liothyronine NON-Wt Based *(Use bolus function to give loading dose)*	>20kg only	20microgram/20mL	3mL/hr = 3 microgram/hour (Non-weight based)	NaCl 0.9%w/v Glucose 5%w/v	3 microgram/hour (Non-weight based)	40microgram/40mL	3mL/hr = 3 microgram/hour
Linezolid *(>20kg Also offered non-weight based option)*	All	2mg/mL	VTBI for 10mg/kg dose = (5 x Wt)mL	n/a	10mg/kg over 30-120 mins	n/a	n/a
Linezolid 600mg fixed dose	>20kg ONLY	600mg/300mL	VTBI for 600mg dose = 300mL	n/a	600mg over 30-120mins	n/a	n/a
Mannitol 20% (100g/500mL)	All	10g/50mL (<10kg only) 100g/500mL (All >5kg)	VTBI for 1g/kg dose = (5 x Wt)mL	n/a	0.5 -1g/kg over 30 mins	n/a	n/a
Metronidazole *(>20kg Also offered non-weight based option)*	All	5mg/mL	VTBI for 7.5mg/kg dose = (1.5 x Wt)mL	n/a	7.5mg/kg over 20 - 30mins	n/a	n/a
Metronidazole 500mg fixed dose	>20kg ONLY	500mg/100mL (Infusomat ONLY)	VTBI for 500mg dose = 100mL	n/a	500mg	n/a	n/a

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Actual Rate (mL/hour) = Actual Dose x Default Rate / Default Dose

Drug	Weight	SCI (Normal)	Flow Rate Calculator Default rate = Default dose *All weights in kg*	Diluent	Usual Dose Range	SCI (High)	Flow Rate Calculator Default rate = Default dose *All weights in kg*
Midazolam *(If large volumes needed, neat solution may be given using 250mL empty bag via Infusomat)*	≤2.5kg	10mg/50mL	(0.3 x Wt)mL/hr = 1 microgram/kg/min	Glucose 5%w/v NaCl 0.9%w/v Glucose 10%w/v	Sedation: 0-4microgram/kg/min Status Epilep: 0-24microgram/kg/min	25mg/50mL	(0.12 x Wt)mL/hr = 1 microgram/kg/min
	>2.5 - ≤5kg	25mg/50mL	(0.12 x Wt)mL/hr = 1 microgram/kg/min			50mg/50mL	(0.06 x Wt)mL/hr = 1 microgram/kg/min
	>5 -≤10kg	50mg/50mL	(0.06 x Wt)mL/hr = 1 microgram/kg/min			50mg/50mL	(0.06 x Wt)mL/hr = 1 microgram/kg/min
	>10 - ≤20kg	50mg/50mL	(0.06 x Wt)mL/hr = 1 microgram/kg/min			100mg/50mL	(0.03 x Wt)mL/hr = 1 microgram/kg/min
	>20kg	100mg/50mL	(0.03 x Wt)mL/hr = 1 microgram/kg/min			250mg/50mL (Neat)	(0.012 x Wt)mL/hr = 1 microgram/kg/min
Midazolam (Infusomat)	>20kg ONLY	5mg/ml Neat (Infusomat) (In empty 250mL bag)	(0.012 x Wt)mL/hr = 1 microgram/kg/min	n/a	As above	n/a	n/a
Milrinone Maintenance	≤2.5kg	5mg/50mL	(0.3 x Wt)mL/hr = 0.5 microgram/kg/min	Glucose 5%w/v NaCl 0.9%w/v	0.25-0.75 microgram/kg/min	10mg/50mL	(0.15 x Wt)mL/hr = 0.5 microgram/kg/min
	>2.5 - ≤5kg	5mg/50mL	(0.3 x Wt)mL/hr = 0.5 microgram/kg/min			10mg/50mL	(0.15 x Wt)mL/hr = 0.5 microgram/kg/min
	>5 -≤10kg	10mg/50mL	(0.15 x Wt)mL/hr = 0.5 microgram/kg/min			20mg/50mL	(0.075 x Wt)mL/hr = 0.5 microgram/kg/min
	>10 - ≤20kg	20mg/50mL	(0.075 x Wt)mL/hr = 0.5 microgram/kg/min			50mg/50mL (Neat)	(0.03 x Wt)mL/hr = 0.5 microgram/kg/min
	>20kg	50mg/50mL (Neat)	(0.03 x Wt)mL/hr = 0.5 microgram/kg/min			50mg/50mL (Neat)	(0.03 x Wt)mL/hr = 0.5 microgram/kg/min
Milrinone Load	≤2.5kg	5mg/50mL	VTBI for 50microgram/kg dose = (0.5 x Wt)mL	Glucose 5%w/v NaCl 0.9%w/v	50-75mcg/kg over 30 mins	10mg/50mL	VTBI for 50microgram/kg dose = (0.25 x Wt)mL
	>2.5 - ≤5kg	5mg/50mL	VTBI for 50microgram/kg dose = (0.5 x Wt)mL			10mg/50mL	VTBI for 50microgram/kg dose = (0.25 x Wt)mL
	>5 -≤10kg	10mg/50mL	VTBI for 50microgram/kg dose = (0.25 x Wt)mL			20mg/50mL	VTBI for 50microgram/kg dose = (0.125 x Wt)mL
	>10 - ≤20kg	20mg/50mL	VTBI for 50microgram/kg dose = (0.125 x Wt)mL			50mg/50mL (Neat)	VTBI for 50microgram/kg dose = (0.05 x Wt)mL
	>20kg	50mg/50mL (Neat)	VTBI for 50microgram/kg dose = (0.05 x Wt)mL			50mg/50mL (Neat)	VTBI for 50microgram/kg dose = (0.05 x Wt)mL
Morphine	≤2.5kg	2.5mg/50mL	(0.4 x Wt)mL/hr = 20 microgram/kg/hour	Glucose 5%w/v NaCl 0.9%w/v Glucose 10%w/v	Neonate: 0-20microgram/kg/hr >1mth old: 0-40microgram/kg/hr	5mg/50mL	(0.2 x Wt)mL/hr = 20 microgram/kg/hour
	>2.5 - ≤5kg	5mg/50mL	(0.2 x Wt)mL/hr = 20 microgram/kg/hour			10mg/50mL	(0.1 x Wt)mL/hr = 20 microgram/kg/hour
	>5 -≤10kg	10mg/50mL	(0.1 x Wt)mL/hr = 20 microgram/kg/hour			20mg/50mL	(0.05 x Wt)mL/hr = 20 microgram/kg/hour
	>10 - ≤20kg	20mg/50mL	(0.05 x Wt)mL/hr = 20 microgram/kg/hour			50mg/50mL	(0.02 x Wt)mL/hr = 20 microgram/kg/hour
	>20kg	50mg/50mL	(0.02 x Wt)mL/hr = 20 microgram/kg/hour			50mg/50mL	(0.02 x Wt)mL/hr = 20 microgram/kg/hour
Noradrenaline	≤2.5kg	1mg/50mL	(0.15 x Wt)mL/hr = 0.05 microgram/kg/min	NaCl 0.9%w/v Glucose 5%w/v	0 -0.1microgram/kg/min	3mg/50mL	(0.05 x Wt)mL/hr = 0.05 microgram/kg/min
	>2.5 - ≤5kg	1mg/50mL	(0.15 x Wt)mL/hr = 0.05 microgram/kg/min			3mg/50mL	(0.05 x Wt)mL/hr = 0.05 microgram/kg/min
	>5 -≤10kg	3mg/50mL	(0.05 x Wt)mL/hr = 0.05 microgram/kg/min			6mg/50mL	(0.025 x Wt)mL/hr = 0.05 microgram/kg/min
	>10 - ≤20kg	6mg/50mL	(0.025 x Wt)mL/hr = 0.05 microgram/kg/min			12mg/50mL	(0.0125 x Wt)mL/hr = 0.05 microgram/kg/min
	>20kg	6mg/50mL	(0.025 x Wt)mL/hr = 0.05 microgram/kg/min			12mg/50mL	(0.0125 x Wt)mL/hr = 0.05 microgram/kg/min
Octreotide (1-3microgram/kg/hr)	≤2.5kg	150mcg/20mL	(0.133 x Wt)mL/hr = 1 microgram/kg/hour	NaCl 0.9%w/v	Chylothorax: 1-10 microgram/kg/hr GI Bleed: 1 microgram/kg/hr	300mcg/20mL	(0.067 x Wt)mL/hr = 1 microgram/kg/hour
	>2.5 - ≤5kg	150mcg/20mL	(0.133 x Wt)mL/hr = 1 microgram/kg/hour			300mcg/20mL	(0.067 x Wt)mL/hr = 1 microgram/kg/hour
	>5 -≤10kg	300mcg/20mL	(0.067 x Wt)mL/hr = 1 microgram/kg/hour			500mcg/20mL	(0.04 x Wt)mL/hr = 1 microgram/kg/hour
	>10 - ≤20kg	500mcg/20mL	(0.04 x Wt)mL/hr = 1 microgram/kg/hour			1000mcg/20mL	(0.02 x Wt)mL/hr = 1 microgram/kg/hour
	>20kg	500mcg/20mL	(0.04 x Wt)mL/hr = 1 microgram/kg/hour			1000mcg/20mL	(0.02 x Wt)mL/hr = 1 microgram/kg/hour
Octreotide (4-6microgram/kg/hr)	≤2.5kg	500mcg/20mL	(0.04 x Wt)mL/hr = 1 microgram/kg/hour	NaCl 0.9%w/v	Chylothorax: 1-10 microgram/kg/hr GI Bleed: 1 microgram/kg/hr	500mcg/20mL	(0.04 x Wt)mL/hr = 1 microgram/kg/hour
	>2.5 - ≤5kg	500mcg/20mL	(0.04 x Wt)mL/hr = 1 microgram/kg/hour			500mcg/20mL	(0.04 x Wt)mL/hr = 1 microgram/kg/hour
	>5 -≤10kg	500mcg/20mL	(0.04 x Wt)mL/hr = 1 microgram/kg/hour			1000mcg/20mL	(0.02 x Wt)mL/hr = 1 microgram/kg/hour
	>10 - ≤20kg	1000mcg/20mL	(0.02 x Wt)mL/hr = 1 microgram/kg/hour			n/a	n/a
	>20kg	2000mcg/20mL	(0.01 x Wt)mL/hr = 1 microgram/kg/hour			n/a	n/a
Octreotide (7-12microgram/kg/hr)	≤2.5kg	1000mcg/20mL	(0.02 x Wt)mL/hr = 1 microgram/kg/hour	NaCl 0.9%w/v	Chylothorax: 1-10 microgram/kg/hr GI Bleed: 1 microgram/kg/hr	1000mcg/20mL	(0.02 x Wt)mL/hr = 1 microgram/kg/hour
	>2.5 - ≤5kg	1000mcg/20mL	(0.02 x Wt)mL/hr = 1 microgram/kg/hour			1000mcg/20mL	(0.02 x Wt)mL/hr = 1 microgram/kg/hour
	>5 -≤10kg	1000mcg/20mL	(0.02 x Wt)mL/hr = 1 microgram/kg/hour			2000mcg/20mL	(0.01 x Wt)mL/hr = 1 microgram/kg/hour
	>10 - ≤20kg	2000mcg/20mL	(0.01 x Wt)mL/hr = 1 microgram/kg/hour			n/a	n/a
	>20kg	2000mcg/20mL	(0.01 x Wt)mL/hr = 1 microgram/kg/hour			n/a	n/a
Oxycodone	≤2.5kg	2.5mg/50mL	(0.4 x Wt)mL/hr = 20 microgram/kg/hour	Glucose 5%w/v NaCl 0.9%w/v	Neonate: 0-20microgram/kg/hr >1mth old: 0-40microgram/kg/hr	5mg/50mL	(0.2 x Wt)mL/hr = 20 microgram/kg/hour
	>2.5 - ≤5kg	5mg/50mL	(0.2 x Wt)mL/hr = 20 microgram/kg/hour			10mg/50mL	(0.1 x Wt)mL/hr = 20 microgram/kg/hour
	>5 -≤10kg	10mg/50mL	(0.1 x Wt)mL/hr = 20 microgram/kg/hour			20mg/50mL	(0.05 x Wt)mL/hr = 20 microgram/kg/hour
	>10 - ≤20kg	20mg/50mL	(0.05 x Wt)mL/hr = 20 microgram/kg/hour			50mg/50mL	(0.02 x Wt)mL/hr = 20 microgram/kg/hour
	>20kg	50mg/50mL	(0.02 x Wt)mL/hr = 20 microgram/kg/hour			50mg/50mL	(0.02 x Wt)mL/hr = 20 microgram/kg/hour

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Actual Rate (mL/hour) = Actual Dose x Default Rate / Default Dose

Drug	Weight	SCI (Normal)	Flow Rate Calculator Default rate = Default dose *All weights in kg*	Diluent	Usual Dose Range	SCI (High)	Flow Rate Calculator Default rate = Default dose *All weights in kg*
Paracetamol under 10kg *(Perfusor ONLY)*	≤10kg	10mg/mL	VTBI for 7.5mg/kg dose = (0.75 x Wt)mL	n/a	7.5mg/kg/15min	n/a	n/a
Paracetamol 10kg and over *(Perfusor ONLY)*	>10 - ≤20kg >20kg	10mg/mL	VTBI for 15mg/kg dose = (1.5 x Wt)mL	n/a n/a	15mg/kg/15min	n/a	n/a
Paracetamol 33 - 50kg *(Infusomat ONLY)*	>20kg ONLY	10mg/mL	VTBI for 15mg/kg dose = (1.5 x Wt)mL	n/a	15mg/kg/15min	n/a	n/a
Paracetamol 1g (>50kg ONLY) *(Infusomat ONLY)*	>20kg ONLY	10mg/mL	VTBI for 1g dose = 100mL	n/a	1g/15min	n/a	n/a
Phenylephrine **(CVC only)**	≤2.5kg >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg >20kg	1mg/50mL 1mg/50mL 1mg/50mL 3mg/50mL 3mg/50mL	(0.15 x Wt)mL/hr = 0.05 microgram/kg/min (0.15 x Wt)mL/hr = 0.05 microgram/kg/min (0.15 x Wt)mL/hr = 0.05 microgram/kg/min (0.05 x Wt)mL/hr = 0.05 microgram/kg/min (0.05 x Wt)mL/hr = 0.05 microgram/kg/min	Glucose 5%w/v NaCl 0.9%w/v	0-4microgram/kg/min *(Caution: bolus for >20kg is in mcgs (NOT mcg/kg)*	n/a n/a 3mg/50mL 3mg/50mL 3mg/50mL	n/a n/a (0.05 x Wt)mL/hr = 0.05 microgram/kg/min (0.05 x Wt)mL/hr = 0.05 microgram/kg/min (0.05 x Wt)mL/hr = 0.05 microgram/kg/min
Potassium Chloride CVC *(Perfusor)*	≤2.5kg >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg	0.2mmoL/mL	VTBI for 0.5mmol/kg dose = (2.5 x Wt)mL	n/a	0.5mmoL/Kg over 1-2hr	n/a	n/a
Potassium Chloride CVC (Wt-Based) *(Infusomat)* *For pts 20 to 40kg*	>20kg ONLY	0.2mmoL/mL	VTBI for 0.5mmol/kg dose = (2.5 x Wt)mL	n/a	0.5mmoL/Kg over 1-2hr	n/a	n/a
Potassium Chloride CVC 20mmol dose *(Infusomat)* *For pts greater than 40kg*	>20kg ONLY	20mmol/100mL	VTBI for 20mmol dose = 100mL (Non-Weight based dosing)	n/a	20mmol over 1-2hr	n/a	n/a
Propofol 1% (PICU)	All	10mg/mL (Max duration 12hrs)	(0.2 x Wt)mL/hr = 2 mg/kg/hour	n/a	0-4mg/kg/hr	n/a	n/a
Propofol 1% (THEATRE)	All	10mg/mL	(0.4 x Wt)mL/hr = 4 mg/kg/hour	n/a		n/a	n/a
Remifentanil	≤2.5kg >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg >20kg	1mg/50mL 1mg/50mL 2mg/50mL 2mg/50mL 2mg/50mL	(0.3 x Wt)mL/hr = 0.1 microgram/kg/min (0.3 x Wt)mL/hr = 0.1 microgram/kg/min (0.15 x Wt)mL/hr = 0.1 microgram/kg/min (0.15 x Wt)mL/hr = 0.1 microgram/kg/min (0.15 x Wt)mL/hr = 0.1 microgram/kg/min	Glucose 5%w/v NaCl 0.9%w/v	0.05-0.2microgram/kg/min	2mg/50mL 2mg/50mL 5mg/50mL 5mg/50mL 5mg/50mL	(0.15 x Wt)mL/hr = 0.1 microgram/kg/min (0.15 x Wt)mL/hr = 0.1 microgram/kg/min (0.06 x Wt)mL/hr = 0.1 microgram/kg/min (0.06 x Wt)mL/hr = 0.1 microgram/kg/min (0.06 x Wt)mL/hr = 0.1 microgram/kg/min
Rocuronium	≤2.5kg >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg >20kg	100mg/40mL 250mg/50mL 250mg/50mL 10mg/mL (Neat) 10mg/mL (Neat)	(0.12 x Wt)mL/hr = 300microgram/kg/hour (0.06 x Wt)mL/hr = 300microgram/kg/hour (0.06 x Wt)mL/hr = 300microgram/kg/hour (0.03 x Wt)mL/hr = 300microgram/kg/hour (0.03 x Wt)mL/hr = 300microgram/kg/hour	Glucose 5%w/v NaCl 0.9%w/v	300-600microgram/kg/hr	250mg/50mL 10mg/mL (Neat) 10mg/mL (Neat) n/a n/a	(0.06 x Wt)mL/hr = 300microgram/kg/hour (0.03 x Wt)mL/hr = 300microgram/kg/hour (0.03 x Wt)mL/hr = 300microgram/kg/hour n/a n/a
Salbutamol **(If select neat - then via CVC only)** *(>20kg Also offered non-weight based option)*	≤2.5kg >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg >20kg	10mg/50mL 10mg/50mL 10mg/50mL 10mg/50mL 10mg/50mL	(0.3 x Wt)mL/hr = 1 microgram/kg/min (0.3 x Wt)mL/hr = 1 microgram/kg/min (0.3 x Wt)mL/hr = 1 microgram/kg/min (0.06 x Wt)mL/hr = 0.2 microgram/kg/min* (0.06 x Wt)mL/hr = 0.2 microgram/kg/min*	Glucose 5%w/v NaCl 0.9%w/v	0-5microgram/kg/min **lower default start* **lower default start*	50mg/50mL (Neat) 50mg/50mL (Neat) 50mg/50mL (Neat) 50mg/50mL (Neat) 50mg/50mL (Neat)	(0.06 x Wt)mL/hr = 1 microgram/kg/min (0.06 x Wt)mL/hr = 1 microgram/kg/min (0.06 x Wt)mL/hr = 1 microgram/kg/min (0.012 x Wt)mL/hr = 0.2 microgram/kg/min* (0.012 x Wt)mL/hr = 0.2 microgram/kg/min*
Salbutamol NON-weight based **(If select neat - then via CVC only)**	>20kg	10mg/50mL	1.5mL/hr = 5 microgram/min (Non-Wt based dosing)	Glucose 5%w/v NaCl 0.9%w/v	3-20microgram/min (Non-Wt based dosing)	50mg/50mL (Neat)	0.3mL/hr = 5 microgram/min

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Actual Rate (mL/hour) = Actual Dose x Default Rate / Default Dose

Drug	Weight	SCI (Normal)	Flow Rate Calculator Default rate = Default dose *All weights in kg*	Diluent	Usual Dose Range	SCI (High)	Flow Rate Calculator Default rate = Default dose *All weights in kg*
Sildenafil Maintenance	All	10mg/50mL	(0.15 x Wt)mL/hr = 0.03 mg/kg/hour	Glucose 5%w/v NaCl 0.9%w/v	0.03-0.07mg/kg/hr	0.8mg/mL (Neat)	(0.0375 x Wt)mL/hr = 0.03 mg/kg/hour
Sildenafil Load	All	10mg/50mL	VTBI for 0.1mg/kg dose = (0.5 x Wt)mL	Glucose 5%w/v NaCl 0.9%w/v	n/a	0.8mg/mL (Neat)	VTBI for 0.1mg/kg dose = (0.125 x Wt)mL
Sodium Benzoate Load *(In own care unit on pumps - "Metabolic Agents")*	All	2g/**40**mL (Perfusor) or 50mg/mL (Infusomat) *see protocol*	VTBI for 250mg/kg dose = (5 x Wt)mL	Glucose 10%w/v	250mg/kg over 90 mins	n/a	n/a
Sodium Benzoate Maintenance *(In own care unit on pumps - "Metabolic Agents")*	All	2g/**40**mL (Perfusor) or 50mg/mL (Infusomat) *see protocol*	(0.417 x Wt)mL/hr = 500mg/kg/24hours	Glucose 10%w/v	250 - 500mg/kg/24hours	n/a	n/a
Sodium Chloride 3%	All >10 - ≤20kg >20kg	25mmol/50mL 250mmol/500mL 250mmol/500mL	VTBI for 1.5mmol/kg dose = (3 x Wt)mL	n/a	1-2mmol/kg over 20-30 mins Note: 1mmol = 2mL	n/a	n/a
Sodium Nitroprusside	≤2.5kg >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg >20kg	25mg/50mL 25mg/50mL 50mg/50mL 50mg/50mL 50mg/50mL	(0.06 x Wt)mL/hr = 0.5 microgram/kg/min (0.06 x Wt)mL/hr = 0.5 microgram/kg/min (0.03 x Wt)mL/hr = 0.5 microgram/kg/min (0.03 x Wt)mL/hr = 0.5 microgram/kg/min (0.03 x Wt)mL/hr = 0.5 microgram/kg/min	Glucose 5%w/v	0 -8microgram/kg/min	50mg/50mL 50mg/50mL 50mg/50mL 50mg/50mL 50mg/50mL	(0.03 x Wt)mL/hr = 0.5 microgram/kg/min (0.03 x Wt)mL/hr = 0.5 microgram/kg/min (0.03 x Wt)mL/hr = 0.5 microgram/kg/min (0.03 x Wt)mL/hr = 0.5 microgram/kg/min (0.03 x Wt)mL/hr = 0.5 microgram/kg/min
Sodium Phenylbutyrate Load *(In own care unit on pumps - "Metabolic Agents")*	All	2g/**40**mL (Perfusor) or 50mg/mL (Infusomat) *see protocol*	VTBI for 250mg/kg dose = (5 x Wt)mL	Glucose 10%w/v	250mg/kg over 90 mins	n/a	n/a
Sodium Phenylbutyrate Maintenance *(In own care unit on pumps - "Metabolic Agents")*	All	2g/**40**mL (Perfusor) or 50mg/mL (Infusomat) *see protocol*	(0.417 x Wt)mL/hr = 500mg/kg/24hours	Glucose 10%w/v	250 - 500mg/kg/24hours	n/a	n/a
Thiopental Sodium (Central)	≤2.5kg >2.5 - ≤5kg >5-≤10kg >10-≤20kg >20kg	500mg/50mL 500mg/50mL 500mg/50mL 1250mg/50mL 1250mg/50mL	(0.2 x Wt)mL/hr = 2 mg/kg/hour (0.2 x Wt)mL/hr = 2 mg/kg/hour (0.2 x Wt)mL/hr = 2 mg/kg/hour (0.08 x Wt)mL/hr = 2 mg/kg/hour (0.08 x Wt)mL/hr = 2 mg/kg/hour	NaCl 0.9%w/v	2 - 8mg/kg/hr	1250mg/50mL 1250mg/50mL 1250mg/50mL 2500mg/50mL 2500mg/50mL	(0.08 x Wt)mL/hr = 2 mg/kg/hour (0.08 x Wt)mL/hr = 2 mg/kg/hour (0.08 x Wt)mL/hr = 2 mg/kg/hour (0.04 x Wt)mL/hr = 2 mg/kg/hour (0.04 x Wt)mL/hr = 2 mg/kg/hour
Thiopental Sodium (Peripheral - Emergency ONLY)	All	125mg/50mL	(0.8 x Wt)mL/hr = 2 mg/kg/hour	NaCl 0.9%w/v	2 - 8mg/kg/hr	n/a	n/a
Tranexamic Acid Continuous *(Loading dose offered at beginning of infusion)*	All	20mg/mL *(Not usual conc. in TSCUH)*	(0.05 x Wt)mL/hr = 1 mg/kg/hour	Glucose 5%w/v NaCl 0.9%w/v	1-10mg/kg/hour	100mg/mL (Neat) *(Usual conc. in TSCUH)*	(0.01 x Wt)mL/hr = 1 mg/kg/hour At usual TSCUH dose: **(0.1 x Wt)mL/hr = 10 mg/kg/hour**
Tranex Acid Wt-based Slow Bol (Non-Continuous) *(>20kg also offered non-weight based option)*	All	20mg/mL *(Not usual conc. in TSCUH)*	VTBI for 10mg/kg dose = (0.5 x Wt)mL	Glucose 5%w/v NaCl 0.9%w/v	10-100mg/kg	100mg/mL (Neat) *(Usual conc. in TSCUH)*	VTBI for 10mg/kg dose = (0.1 x Wt)mL
Tranexamic Acid 1-2g NON-Weight Based (Non-Continuous)	>20kg	100mg/mL (Neat)	VTBI for 1g dose = 10mL	n/a	1g -1.5g over 15 mins	n/a	n/a
Vancomycin	All	5mg/mL	VTBI for 15mg/kg dose = (3 x Wt)mL	Glucose 5%w/v NaCl 0.9%w/v	15mg/kg over 1 hour	10mg/mL (CVC only)	VTBI for 15mg/kg dose = (1.5 x Wt)mL
Vasopressin	≤2.5kg >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg >20kg	5unit/50mL 5unit/50mL 20unit/50mL 50unit/50mL 50unit/50mL	(0.3 x Wt)mL = 0.5mUnit/kg/min (0.3 x Wt)mL = 0.5mUnit/kg/min (0.075 x Wt)mL = 0.5mUnit/kg/min (0.03 x Wt)mL = 0.5mUnit/kg/min (0.03 x Wt)mL = 0.5mUnit/kg/min	Glucose 5%w/v NaCl 0.9%w/v	0.3- 2mUnit/kg/min 0.0003 - 0.002Units/kg/min Note: 1mUnit = 0.001unit	20unit/50mL 20unit/50mL 50unit/50mL n/a n/a	(0.075 x Wt)mL = 0.5mUnit/kg/min (0.075 x Wt)mL = 0.5mUnit/kg/min (0.03 x Wt)mL = 0.5mUnit/kg/min n/a n/a