STANDARD COI	ATION DRUG	LIBRARY TSCUH	Actual Rate (mL/hour) = Actual Dose x Default Rate						
	PICU	Full Library		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 >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg >20kg	1mg/50mL 1mg/50mL 3mg/50mL 6mg/50mL 6mg/50mL	(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 (0.025 x Wt)mL/hr = 0.05 microgram/kg/min (0.025 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 3mg/50mL 6mg/50mL 12mg/50mL 12mg/50mL	(0.05 x Wt)mL/hr = 0.05 microgram/kg/min (0.05 x Wt)mL/hr = 0.05 microgram/kg/min (0.025 x Wt)mL/hr = 0.05 microgram/kg/min (0.0125 x Wt)mL/hr = 0.05 microgram/kg/mir (0.0125 x Wt)mL/hr = 0.05 microgram/kg/mir		
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 >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg	0.2mg/mL 0.5mg/mL 1mg/mL 2mg/mL	(0.5 x Wt)mL/hr = 0.1 mg/kg/hour (0.2 x Wt)mL/hr = 0.1 mg/kg/hour (0.1 x Wt)mL/hr = 0.1 mg/kg/hour (0.05 x Wt)mL/hr = 0.1 mg/kg/hour	NaCl 0.9%w/v NaCl 0.9%w/v n/a n/a	0.1 - 0.5mg/kg/hour	n/a	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 <mark>Load</mark> (Weight-based)	≤2.5kg >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg	0.2mg/mL 0.5mg/mL 1mg/mL 2mg/mL	VTBI for 0.1mg/kg dose = (0.5 x Wt)mL  VTBI for 0.1mg/kg dose = (0.2 x Wt)mL  VTBI for 0.1mg/kg dose = (0.1 x Wt)mL  VTBI for 0.1mg/kg dose = (0.05 x Wt)mL	NaCl 0.9%w/v NaCl 0.9%w/v n/a n/a	0.1 - 0.5mg/kg over 10 mins	n/a	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 All >2.5kg	50mg/50mL 50mg/50mL or 500mg/500mL	VTBI for 5mg/kg dose = (5 x Wt)mL	Glucose 5%w/v NaCl 0.9%w/v	5mg/kg over 30mins (Max 500mg)	n/a	n/a		
Aminophylline Load (CVC)	All <10kg 10-20kg >20kg	250mg/25mL 500mg/50mL 1000mg/50mL	VTBI for 5mg/kg dose = (0.5 x Wt)mL VTBI for 5mg/kg dose = (0.5 x Wt)mL VTBI for 5mg/kg dose = (0.25 x Wt)mL	Glucose 5%w/v NaCl 0.9%w/v	5mg/kg over 30mins (Max 500mg)	n/a	n/a		
Aminophylline Maintenance (Peripheral)	≤2.5kg All >2.5kg	50mg/50mL 50mg/50mL or 500mg/500mL	(0.5 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		
Aminophylline Maintenance (CVC)	All <10kg 10-20kg >20kg	250mg/25mL 500mg/50mL 1000mg/50mL	(0.05 x Wt)mL/hr = 0.5 mg/kg/hour (0.05 x Wt)mL/hr = 0.5 mg/kg/hour (0.025 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		

STANDARD CONCENTRATION DRUG LIBRARY TSCUH					Actual Rate (mL/hour) = Actual Dose x Default Rate				
	PICl	J Full Library					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		
Amiodarone Load (Weight-Based)	≤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		
(CVC)	>2.5 - ≤5kg	50mg/50mL	VTBI for $5mg/kg$ dose = $(5 \times Wt)mL$			150mg/50mL	VTBI for 5mg/kg dose = (1.67 x Wt)mL		
(Over 1-4 hours)	>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)	≤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		
(CVC)	>2.5 - ≤5kg	50mg/50mL	(0.3 x Wt)mL/hr = 5 microgram/kg/min		8 8	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)	>20kg	600mg/50mL	4.2mL/hour = 50mg/hour	Glucose 5%w/v	1200mg/24 hours	1200mg/50mL	2.1mL/hour = 50mg/hour		
(CVC. Pts >60kg)	ONLY	· ·	Ŭ		Reduce to 40mg/hour for 23 hours post Load	Ÿ	, and the second		
Amiodarone Load (Wt-Based)	All	50mg/50mL	VTBI for 5mg/kg dose = (5 x Wt)mL	Glucose 5%w/v	5mg/kg over 1 - 4 hours	n/a	n/a		
(Peripheral) (>20kg Also offered non-weight based option)		300mg/250mL	VTBI for 5mg/kg dose = (4.2 x Wt)mL						
Amiodarone Load (NON Wt-Based)	>20kg	300mg/250mL	VTBI for 300mg dose = 250mL	Glucose 5%w/v	300mg over 1 hour	n/a	n/a		
(Peripheral. Pts >60kg)	ONLY				_				
Amiodarone Maintenance (Wt-Based)	All	50mg/50mL	(0.3 x Wt)mL/hr = 5 microgram/kg/min	Glucose 5%w/v	5-15microgram/kg/min	n/a	n/a		
(Peripheral) (>20kg Also offered non-weight based option)		300mg/250mL	(0.25 x Wt)mL/hr = 5 microgram/kg/min						
Amiodarone Maintenance (NON Wt-Based)	>20kg	300mg/250mL	41.7mL/hour = 50mg/hour	Glucose 5%w/v	1200mg/24 hours	n/a	n/a		
(Peripheral. Pts >60kg) (>20kg Also offered non-weight based option)	ONLY				Reduce to 40mg/hour for 23 hours post Load				
Arginine Load	All	5g/50mL (Perfusor) or	VTBI for 250mg/kg dose = (2.5 x Wt)mL	Glucose 10%w/v	250mg/kg	n/a	n/a		
(In own care unit on pumps - "Metabolic Agents")		100mg/mL (Infusomat) see protocol			over 90 mins				
Arginine Maintenance	All	5g/50mL (Perfusor) or	(0.083 x Wt)mL/hr = 200mg/kg/24hours	Glucose 10%w/v	200 - 500mg/kg/24hours	n/a	n/a		
(In own care unit on pumps - "Metabolic Agents")		100mg/mL (Infusomat) see protocol							
Atracurium Infusion	≤2.5kg	40mg/20mL	(0.15 x Wt)mL/hr = 300 microgram/kg/hr	Glucose 5%w/v	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	NaCl 0.9%w/v	_	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	Neat		10mg/mL(Neat)	(0.03 x Wt)mL/hr = 300 microgram/kg/hr		
Calcium Gluconate (Cen)	All	11.3mmol/50mL	(0.18 x Wt)mL/hr = 1 mmol/kg/24hours	n/a	0.5 - 1mmol/kg/24hrs	n/a	n/a		
` '		(Neat)	(0.04mmol/kg/hour)		C				
Calcium Gluconate (P)	All	2.25mmol/50mL	(0.9 x Wt)mL/hr = 1 mmol/kg/24hours	Glucose 5%w/v	0.5 - 1mmol/kg/24hrs	n/a	n/a		
			(0.04mmol/kg/hour)	NaCl 0.9%w/v					
Ciprofloxacin	All	2mg/mL	VTBI for 10mg/kg dose = (5 x Wt)mL	n/a	10mg/kg	n/a	n/a		
(>20kg Also offered non-weight based option)	7311	· ·		11/4	over 1 hour	11/a	iva		
Ciprofloxacin 400mg Fixed Dose	>20kg	400mg/200mL	VTBI for 400mg dose = 200mL	n/a	400mg	n/a	n/a		
	ONLY				over 1 hour				

STANDARD CO	STANDARD CONCENTRATION DRUG LIBRARY TSCUH					Actual Rate (mL/hour) = Actual Dose x Default Rate				
	PICI	J Full Library		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			
Clonidine	≤2.5kg >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg >20kg	150microgram/50mL 150microgram/50mL 300microgram/50mL 600microgram/50mL 1200microgram/50mL	(0.167 x Wt)mL/hr = 0.5 microgram/kg/hr (0.167 x Wt)mL/hr = 0.5 microgram/kg/hr (0.084 x Wt)mL/hr = 0.5 microgram/kg/hr (0.042 x Wt)mL/hr = 0.5 microgram/kg/hr (0.021 x Wt)mL/hr = 0.5 microgram/kg/hr	Glucose 5%w/v NaCl 0.9%w/v	0 -2microgram/kg/hr	300microgram/50mL 300microgram/50mL 600microgram/50mL 1200microgram/50mL 1200microgram/50mL	(0.084 x Wt)mL/hr = 0.5 microgram/kg/hr (0.084 x Wt)mL/hr = 0.5 microgram/kg/hr (0.042 x Wt)mL/hr = 0.5 microgram/kg/hr (0.021 x Wt)mL/hr = 0.5 microgram/kg/hr (0.021 x Wt)mL/hr = 0.5 microgram/kg/hr			
CVVH Heparin - (In own care unit on pumps)	≤2.5kg >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg >20kg	1000units/50mL 2,500units/50mL 2,500units/50mL 5,000units/50mL 10,000units/50mL	(0.5 x Wt)mL/hr = 10 units/kg/hr (0.2 x Wt)mL/hr = 10 units/kg/hr (0.2 x Wt)mL/hr = 10 units/kg/hr (0.1 x Wt)mL/hr = 10 units/kg/hr (0.05 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			
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 >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg >20kg	75mg/50mL 150mg/50mL 150mg/50mL 250mg/50mL 250mg/50mL	(0.2 x Wt)mL/hr = 5 microgram/kg/min (0.1 x Wt)mL/hr = 5 microgram/kg/min (0.1 x Wt)mL/hr = 5 microgram/kg/min (0.06 x Wt)mL/hr = 5 microgram/kg/min (0.06 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 250mg/50mL 250mg/50mL 250mg/50mL 250mg/50mL	(0.1 x Wt)mL/hr = 5 microgram/kg/min (0.06 x Wt)mL/hr = 5 microgram/kg/min			
Dopamine (Central)	≤2.5kg >2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg >20kg	75mg/50mL 150mg/50mL 150mg/50mL 250mg/50mL 250mg/50mL	(0.2 x Wt)mL/hr = 5 microgram/kg/min (0.1 x Wt)mL/hr = 5 microgram/kg/min (0.1 x Wt)mL/hr = 5 microgram/kg/min (0.06 x Wt)mL/hr = 5 microgram/kg/min (0.06 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 250mg/50mL 250mg/50mL 500mg/50mL 500mg/50mL	(0.1 x Wt)mL/hr = 5 microgram/kg/min (0.06 x Wt)mL/hr = 5 microgram/kg/min (0.06 x Wt)mL/hr = 5 microgram/kg/min (0.03 x Wt)mL/hr = 5 microgram/kg/min (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	All	25mcg/50mL (only<10kg) 100mcg/50mL (All) 500mcg/50mL (All) 2000mcg/50mL (>10kg only)	(0.24 x Wt)mL/hr = 2 nanogram/kg/min (0.06 x Wt)mL/hr = 2 nanogram/kg/min (0.012 x Wt)mL/hr = 2 nanogram/kg/min (0.003 x Wt)mL/hr = 2 nanogram/kg/min	Glycine diluent	2-20nanogram/kg/min	n/a	n/a			

OTANDAN DO			LIBRARY TSCUH	Actual Rate (mL/hour) = Actual Dose x Default Rate						
PICU Full Library					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			
Esmolol	≤2.5kg	10mg/mL(neat)		n/a	50-200					
(CVC ideally)	>2.5 - ≤5kg All >5kg	10mg/mL(neat) 10mg/mL(neat) OR (Infusomat) 2500mg/250mL	(0.3 x Wt)mL/hr = 50 microgram/kg/min		microgram/kg/min	n/a	n/a			
Fentanyl	≤2.5kg	250mcg/50mL	(0.2 x Wt)mL/hr = 1 microgram/kg/hr	Glucose 5%w/v	0 -6microgram/kg/hr	500mcg/50mL	(0.1 x Wt)mL/hr = 1 microgram/kg/hr			
rentanyi	≥2.5kg >2.5 - ≤5kg	250mcg/50mL	$\frac{(0.2 \text{ x Wt)} \text{mL/hr} = 1 \text{ microgram/kg/hr}}{(0.2 \text{ x Wt)} \text{mL/hr} = 1 \text{ microgram/kg/hr}}$	NaCl 0.9%w/v	0 -6microgram/kg/m	500mcg/50mL	(0.1 x Wt)mL/hr = 1 microgram/kg/hr (0.1 x Wt)mL/hr = 1 microgram/kg/hr			
	>2.5 - ≤5kg >5 -≤10kg	500mcg/50mL	(0.2 x Wt)mL/m = 1 microgram/kg/m (0.1 x Wt)mL/hr = 1 microgram/kg/hr	NaCi 0.9%W/V			$(0.1 \times \text{Wt})\text{mL/hr} = 1 \text{microgram/kg/hr}$ $(0.05 \times \text{Wt})\text{mL/hr} = 1 \text{microgram/kg/hr}$			
	>10 - ≤20kg	1000mcg/50mL	$(0.05 \times Wt) \text{mL/hr} = 1 \text{ microgram/kg/hr}$ $(0.05 \times Wt) \text{mL/hr} = 1 \text{ microgram/kg/hr}$			1000mcg/50mL 2500mcg/50mL	$(0.05 \times Wt)$ mL/hr = 1 microgram/kg/h $(0.02 \times Wt)$ mL/hr = 1 microgram/kg/h			
		2500mcg/50mL	(0.02 x Wt)mL/hr = 1 microgram/kg/hr				(0.02  x Wt)mL/hr = 1  microgram/kg/h $(0.02  x Wt)mL/hr = 1  microgram/kg/h$			
	>20kg	2500mcg/50mL	(0.02 x wt)mL/nr = 1 microgram/kg/nr			2500mcg/50mL	(0.02 x Wt)mL/nr = 1 microgram/kg/n			
Fluconazole	All	2mg/mL	No default dose programmed	n/a	3-12mg/kg over 10-30 mins	n/a	n/a			
(Weight based)					(Max 10-20mg/min)					
20kg Also offered non-weight based option)	221		N. 16 to 1	,		,				
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	50mg/50mL	(0.125  x Wt)mL/hr = 0.125  mg/kg/hr	NaCl 0.9%w/v	0-0.5mg/kg/hr	100mg/50mL	$(0.0625 \times Wt)$ mL/hr = 0.125 mg/kg/h			
	>2.5 - ≤5kg	50mg/50mL	$(0.125 \times Wt)$ mL/hr = 0.125 mg/kg/hr			100mg/50mL	$(0.0625 \times Wt)$ mL/hr = 0.125 mg/kg/hi			
	>5 -≤10kg	50mg/50mL	(0.125  x Wt)mL/hr = 0.125  mg/kg/hr			100mg/50mL	$(0.0625 \times Wt)$ mL/hr = 0.125 mg/kg/hr			
	>10 - ≤20kg	100mg/50mL	$(0.0625 \times Wt)mL/hr = 0.125 mg/kg/hr$			250mg/50mL	$(0.025 \times Wt)mL/hr = 0.125 mg/kg/hr$			
	>20kg	500mg/50mL (Neat)	(0.0125 x Wt)mL/hr = 0.125 mg/kg/hr			500mg/50mL (Neat)	(0.0125 x Wt)mL/hr = 0.125 mg/kg/h			
Gentamicin	All	2mg/mL	No default dose programmed	Glucose 5%w/v	Neonate: 5mg/kg	10mg/mL	No default dose programmed			
				NaCl 0.9%w/v	>1 month: 7mg/kg Both over 30mins					
Glyceryl Trinitrate	≤2.5kg	20mg/50mL	(0.15 x Wt)mL/hr = 1 microgram/kg/min	Glucose 5%w/v	0.2-10microgram/kg/min	50mg/50mL	(0.06 x Wt)mL/hr = 1 microgram/kg/mi			
(Central Line Only)	>2.5 - ≤5kg	20mg/50mL	(0.15 x Wt)mL/hr = 1 microgram/kg/min	NaCl 0.9%w/v		50mg/50mL	(0.06 x Wt)mL/hr = 1 microgram/kg/mi			
	All >5kg	50mg/50mL	(0.06 x Wt)mL/hr = 1 microgram/kg/min			50mg/50mL	(0.06 x Wt)mL/hr = 1 microgram/kg/mi			
Heparin Load	≤2.5kg	2,500units/50mL	VTBI for 75units/kg dose = (1.5 x Wt)mL	NaCl 0.9%w/v	75 units/kg	n/a	n/a			
-	>2.5 - ≤5kg	2,500units/50mL	VTBI for 75units/kg dose = (1.5 x Wt)mL	Glucose 5%w/v	over 10mins					
	>5 -≤10kg	10,000units/50mL	VTBI for 75units/kg dose = (0.375 x Wt)mL							
	>10 - ≤20kg	10,000units/50mL	VTBI for 75units/kg dose = (0.375 x Wt)mL							
	>20kg	25,000units/50mL	VTBI for 75units/kg dose = (0.15 x Wt)mL							
Heparin (Treatment > 1yr)	>5-20kg	10,000units/50mL	(0.1 x Wt)mL/hr = 20 units/kg/hr	NaCl 0.9%w/v	0 -40unit/kg/hr	n/a	n/a			
	>20kg	25,000units/50mL	$(0.04 \times Wt)$ mL/hr = 20 units/kg/hr	Glucose 5%w/v						
Heparin (Treatment < 1yr)	≤2.5kg	2,500units/50mL	$(0.56 \times Wt) mL/hr = 28 units/kg/hr$	NaCl 0.9%w/v	0 -40unit/kg/hr	n/a	n/a			
	>2.5 - ≤5kg	2,500units/50mL	$(0.56 \times \text{Wt})\text{mL/hr} = 28 \text{ units/kg/hr}$ $(0.56 \times \text{Wt})\text{mL/hr} = 28 \text{ units/kg/hr}$	Glucose 5%w/v	o rounieng/in	11/α	TI/G			
	>5-10kg	10,000units/50mL	$(0.14 \times \text{Wt})\text{mL/hr} = 28 \text{ units/kg/hr}$ $(0.14 \times \text{Wt})\text{mL/hr} = 28 \text{ units/kg/hr}$	J.40000 0 70W/V						
	10-20kg	10,000units/50mL	(0.14 x Wt)mL/hr = 28 units/kg/hr							

Drug   Weight   Wei	kg 5unit/50mL ≤5kg 5unit/50mL 0kg 20unit/50mL 20kg 50unit/50mL	Default rate = Default dose  All weights in kg  (0.1 x Wt)mL/hr = 0.01 units/kg/hr (0.1 x Wt)mL/hr = 0.01 units/kg/hr (0.025 x Wt)mL/hr = 0.01 units/kg/hr (0.01 x Wt)mL/hr = 0.01 units/kg/hr	Diluent NaCl 0.9%w/v	Usual Dose Range  0 -0.1unit/kg/hr	SCI (High)	Pefault Dose  Flow Rate Calculator  Default rate = Default dose  All weights in kg
Insulin (Non-DKA)  ≤2.6 >2.5 - >5 -≤ >10 - ≤ >20	kg 5unit/50mL ≤5kg 5unit/50mL 0kg 20unit/50mL 20kg 50unit/50mL	Default rate = Default dose  All weights in kg  (0.1 x Wt)mL/hr = 0.01 units/kg/hr (0.1 x Wt)mL/hr = 0.01 units/kg/hr (0.025 x Wt)mL/hr = 0.01 units/kg/hr (0.01 x Wt)mL/hr = 0.01 units/kg/hr				Default rate = Default dose  All weights in kg
>2.5 - >5 -≤ >10 - ≤ >20	≤5kg 5unit/50mL 0kg 20unit/50mL 20kg 50unit/50mL	(0.1 x Wt)mL/hr = <b>0.01</b> units/kg/hr (0.025 x Wt)mL/hr = <b>0.01</b> units/kg/hr (0.01 x Wt)mL/hr = <b>0.01</b> units/kg/hr	NaCl 0.9%w/v	0 -0.1unit/kg/hr	10unit/50mL	
>2.5 - >5 -≤ >10 - ≤ >20	≤5kg 5unit/50mL 0kg 20unit/50mL 20kg 50unit/50mL	(0.1 x Wt)mL/hr = <b>0.01</b> units/kg/hr (0.025 x Wt)mL/hr = <b>0.01</b> units/kg/hr (0.01 x Wt)mL/hr = <b>0.01</b> units/kg/hr	14001 0.070477	o o.rameng/m		$(0.05 \times Wt)mL/hr = 0.01 \text{ units/kg/hr}$
>5-≤ >10-≤ >20	0kg 20unit/50mL 20kg 50unit/50mL	(0.025 x Wt)mL/hr = <b>0.01</b> units/kg/hr (0.01 x Wt)mL/hr = <b>0.01</b> units/kg/hr			10unit/50mL	(0.05 x Wt)mL/hr = <b>0.01</b> units/kg/hr
>10 - s >20	20kg 50unit/50mL	(0.01 x Wt)mL/hr = <b>0.01</b> units/kg/hr			50unit/50mL	(0.01 x Wt)mL/hr = <b>0.01</b> units/kg/hr
>20					50unit/50mL	$(0.01 \times Wt)$ mL/hr = <b>0.01</b> units/kg/hr
Inculin (DICA)		(0.01  x Wt)mL/hr = 0.01  units/kg/hr			50unit/50mL	(0.01 x Wt)mL/hr = <b>0.01</b> units/kg/hr
Inculin (DKA)						
insuiin (DNA)	50unit/50mL	(0.1 x Wt)mL/hr = <b>0.1</b> units/kg/hr	NaCl 0.9%w/v	0 -0.1unit/kg/hr	n/a	n/a
Isoprenaline (Weight Based) ≤2.5	kg 0.2mg/10mL	(0.15 x Wt)mL/hr = 0.05 microgram/kg/min	Glucose 5%w/v	0.02-0.5microgram/kg/min	0.6mg/10mL	(0.05 x Wt)mL/hr = 0.05 microgram/kg/min
All >5kg also offered non-weight >2.5 -		(0.15 x Wt)mL/hr = 0.05 microgram/kg/min	NaCl 0.9%w/v	(neonate)	3mg/50ml	(0.05 x Wt)mL/hr = 0.05 microgram/kg/min
based dosing option >5 -≤	0	(0.15 x Wt)mL/hr = 0.05 microgram/kg/min		0.02-1microgram/kg/min	3mg/50ml	$(0.05 \times Wt)$ mL/hr = 0.05 microgram/kg/min
(Lower conc for short/low dose infusions) >10 - ≤	20kg 1mg/50ml	(0.15 x Wt)mL/hr = 0.05 microgram/kg/min		(non-neonate)	3mg/50ml	(0.05 x Wt)mL/hr = 0.05 microgram/kg/min
Isoprenaline NON-Wt Based >5 -≤'	0kg 1mg/50ml	3mL/hour = 1 microgram/min	Glucose 5%w/v	1-20mcg/min	3mg/50ml	1mL/hour = 1 microgram/min
(Lower conc for short/low dose infusions) >10 - ≤		(Non-Weight based dosing)	NaCl 0.9%w/v	(Non-Wt based dosing)	Silig/Sullil	(Non-Weight based dosing)
>20	•	(Non-Weight based dosing)	INACI 0.370W/V	(Non-wit based dosing)		(Non-Weight based dosing)
Ketamine ≤2.5		(0.12 x Wt)mL/hr = 2 microgram/kg/min	NaCl 0.9%w/v	Analgesia:	50mg/50mL	(0.12 x Wt)mL/hr = 2 microgram/kg/min
(CVC ideally) >2.5 -		(0.12 x Wt)mL/hr = 2 microgram/kg/min	Glucose 5%w/v	0-7microgram/kg/min	100mg/50mL	(0.06 x Wt)mL/hr = 2 microgram/kg/min
>5 -≤′	0	(0.12 x Wt)mL/hr = 2 microgram/kg/min		Sedation:	100mg/50mL	(0.06 x Wt)mL/hr = 2 microgram/kg/min
>10 - ≤		(0.06 x Wt)mL/hr = 2 microgram/kg/min		5-20microgram/kg/min	200mg/50mL	(0.03 x Wt)mL/hr = 2 microgram/kg/min
>20	kg 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 Al	50mg/50mL C	R (0.5 x Wt)mL/hr = 0.5 mg/kg/hour	NaCl 0.9%w/v	0.5-3mg/kg/hr	5mg/mL (Neat)	(0.1 x Wt)mL/hr = 0.5 mg/kg/hour
(If large volumes needed, neat solution	500mg/500m		Glucose 5%w/v	Pts >12yrs (30-120mg/hour)	CVC only	, ,
may be given using 250mL empty bag)						
Lidocaine - Pain All >		(0.3 x Wt)mL/hr = 1.5 mg/kg/hour	Glucose 5%w/v	1.5 - 4mg/kg/hour	10mg/mL (Neat)	$(0.15 \times Wt)$ mL/hr = 1.5 mg/kg/hour
(If large volumes needed, neat solution on	у		NaCl 0.9%w/v			
may be given using 250mL empty bag)  Liothyronine (Weight Based)  A	)	mL (0.05 x Wt)mL/hr = 0.05 microgram/kg/hour	NaCl 0.9%w/v	0.05 - 0.2microgram/kg/hr	/-	I
Liothyronine (Weight Based)  (Use bolus function to give loading dose)	20microgram/20	(0.05 x VVI)mL/m = 0.05 microgram/kg/nour	Glucose 5%w/v	u.uo - u.∠microgram/kg/hr	n/a	n/a
Liothyronine NON-Wt Based >20	kg 20microgram/20	mL 3mL/hr = 3 microgram/hour	NaCl 0.9%w/v	3 microgram/hour	40microgram/40mL	3mL/hr = 3 microgram/hour
(Use bolus function to give loading dose) on	0	(Non-weight based)	Glucose 5%w/v	(Non-weight based)	+omicrogram/40mL	ome/iii = o microgram/nour
Linezolid A		VTBI for 10mg/kg dose = (5 x Wt)mL	n/a	10mg/kg	n/a	n/a
(>20kg Also offered non-weight based option)	g	(- x 11) <u>-</u>		over 30-120 mins	.,, \	1,00
Linezolid 600mg fixed dose >20kg	ONLY 600mg/300m	VTBI for 600mg dose = 300mL	n/a	600mg over 30-120mins	n/a	n/a
Mannitol 20% (100g/500mL) A	I 10g/50mL (<10kg	only) VTBI for 1g/kg dose = (5 x Wt)mL	n/a	0.5 -1g/kg over 30 mins	n/a	n/a
mammor 20% (100g/000m2)	100g/500mL (All :		11/4	5.5 Tg/Ng OVGI 50 IIIIII3	II/a	Ινα
Metronidazole A		VTBI for 7.5mg/kg dose = (1.5 x Wt)mL	n/a	7.5mg/kg over 20 - 30mins	n/a	n/a
(>20kg Also offered non-weight based option)	<i>g</i> / <b>_</b>			. J J	.,,	1,00
Metronidazole 500mg fixed dose >20	kg 500mg/100m	VTBI for 500mg dose = 100mL	n/a	500mg	n/a	n/a
ON	Y (Infusomat ONI	Y)		_	_	

STANDARD CONCENTRATION DRUG LIBRARY TSCUH					Actual Rate (mL/hour) = Actual Dose x Default Rate				
	PICU	J Full Library		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	≤2.5kg	10mg/50mL	(0.3 x Wt)mL/hr = 1 microgram/kg/min	Glucose 5%w/v	Sedation:	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	NaCl 0.9%w/v	0-4microgram/kg/min	50mg/50mL	(0.06 x Wt)mL/hr = 1 microgram/kg/min		
(If large volumes needed, neat solution	>5 -≤10kg	50mg/50mL	(0.06 x Wt)mL/hr = 1 microgram/kg/min	Glucose 10%w/v	Status Epilep:	50mg/50mL	(0.06 x Wt)mL/hr = 1 microgram/kg/min		
may be given using 250mL empty bag	>10 - ≤20kg	50mg/50mL	(0.06 x Wt)mL/hr = 1 microgram/kg/min		0-24microgram/kg/min	100mg/50mL	(0.03 x Wt)mL/hr = 1 microgram/kg/min		
via Infusomat)	>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	0.25-0.75	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	NaCl 0.9%w/v	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	50-75mcg/kg	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	NaCl 0.9%w/v	over 30 mins	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	Neonate:	5mg/50mL	(0.2 x Wt)mL/hr = 20 microgram/kg/hour		
ino pinio	>2.5 - ≤5kg	5mg/50mL	(0.2 x Wt)mL/hr = 20 microgram/kg/hour	NaCl 0.9%w/v	0-20microgram/kg/hr	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	Glucose 10%w/v	>1mth old:	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	0.00000 .070.17.	0-40microgram/kg/hr	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		3	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	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	Glucose 5%w/v	0 0	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	$(0.0125 \times Wt)$ 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:	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		1-10 microgram/kg/hr	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		GI Bleed:	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		1 microgram/kg/hr	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:	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		1-10 microgram/kg/hr	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		GI Bleed:	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		1 microgram/kg/hr	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:	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		1-10 microgram/kg/hr	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		GI Bleed:	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		1 microgram/kg/hr	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	Neonate:	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	NaCl 0.9%w/v	0-20microgram/kg/hr	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		>1mth old:	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		0-40microgram/kg/hr	50mg/50mL	(0.02 x Wt)mL/hr = 20 microgram/kg/hour		

STANDARD CONCENTRATION DRUG LIBRARY TSCUH PICU Full Library					Actual Rate (mL/hour) = Actual Dose x Default Rate				
Drug	Weight	SCI (Normal)	Flow Rate Calculator  Default rate = Default dose	Diluent	Usual Dose Range	SCI (High)	Plow Rate Calculator Default rate = Default dose		
			All weights in kg				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	≤2.5kg	1mg/50mL	(0.15 x Wt)mL/hr = 0.05 microgram/kg/min	Glucose 5%w/v	0-4microgram/kg/min	n/a	n/a		
(CVC only)	>2.5 - ≤5kg	1mg/50mL	(0.15 x Wt)mL/hr = 0.05 microgram/kg/min	NaCl 0.9%w/v		n/a	n/a		
	>5 -≤10kg	1mg/50mL	(0.15 x Wt)mL/hr = 0.05 microgram/kg/min		(Caution: bolus for >20kg	3mg/50mL	(0.05 x Wt)mL/hr = 0.05 microgram/kg/m		
	>10 - ≤20kg	3mg/50mL	(0.05 x Wt)mL/hr = 0.05 microgram/kg/min		is in mcgs (NOT mcg/kg)	3mg/50mL	$(0.05 \times Wt)$ mL/hr = 0.05 microgram/kg/m		
	>20kg	3mg/50mL	(0.05 x Wt)mL/hr = 0.05 microgram/kg/min			3mg/50mL	(0.05 x Wt)mL/hr = 0.05 microgram/kg/m		
Potassium Chloride CVC	≤2.5kg	0.2mmoL/mL	VTBI for 0.5mmol/kg dose = (2.5 x Wt)mL	n/a	0.5mmoL/Kg over	n/a	n/a		
(Perfusor)	>2.5 - ≤5kg >5 -≤10kg >10 - ≤20kg	0.2	7121161 6.6111161/kg 4666 = (2.6 X 71)1112	170	1-2hr	Tiva	iva		
Potassium Chloride CVC (Wt-Based)	>20kg	0.2mmoL/mL	VTBI for 0.5mmol/kg dose = (2.5 x Wt)mL	n/a	0.5mmoL/Kg over	n/a	n/a		
(Infusomat)	ONLY				1-2hr				
For pts 20 to 40kg Potassium Chloride CVC 20mmol dose	>20kg	20mmol/100mL	VTBI for 20mmol dose = 100mL	n/a	20mmol over 1-2hr	n/a	n/a		
(Infusomat)	ONLY	2011111011112	(Non-Weight based dosing)	.,,	201111101 0101 1 2111	11/4	Tija		
For pts greater than 40kg	ONE		(Non Worgh Badda adding)						
Propofol 1% (PICU)	All	10mg/mL	(0.2 x Wt)mL/hr = 2 mg/kg/hour	n/a	0-4mg/kg/hr	n/a	n/a		
110polor 170 (1100)	7 (11	(Max duration 12hrs)	(0.2 x vvym2m = 2 mg/kg/nod)	11/4	0 Hillg/Rg/III	II/a	Π/α		
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	1mg/50mL	(0.3 x Wt)mL/hr = 0.1 microgram/kg/min	Glucose 5%w/v	0.05-0.2microgram/kg/min	2mg/50mL	(0.15 x Wt)mL/hr = 0.1 microgram/kg/mi		
	>2.5 - ≤5kg	1mg/50mL	(0.3 x Wt)mL/hr = 0.1 microgram/kg/min	NaCl 0.9%w/v		2mg/50mL	(0.15 x Wt)mL/hr = 0.1 microgram/kg/mi		
	>5 -≤10kg	2mg/50mL	(0.15 x Wt)mL/hr = 0.1 microgram/kg/min			5mg/50mL	(0.06 x Wt)mL/hr = 0.1 microgram/kg/mi		
	>10 - ≤20kg	2mg/50mL	(0.15 x Wt)mL/hr = 0.1 microgram/kg/min			5mg/50mL	(0.06 x Wt)mL/hr = 0.1 microgram/kg/m		
	>20kg	2mg/50mL	(0.15 x Wt)mL/hr = 0.1 microgram/kg/min			5mg/50mL	(0.06 x Wt)mL/hr = 0.1 microgram/kg/m		
Rocuronium	≤2.5kg	100mg/40mL	(0.12 x Wt)mL/hr = 300microgram/kg/hour	Glucose 5%w/v	300-600microgram/kg/hr	250mg/50mL	(0.06 x Wt)mL/hr = 300microgram/kg/ho		
	>2.5 - ≤5kg	250mg/50mL	(0.06 x Wt)mL/hr = 300microgram/kg/hour	NaCl 0.9%w/v	ooo oooorogra,g,	10mg/mL (Neat)	(0.03 x Wt)mL/hr = 300microgram/kg/ho		
	>5 -≤10kg	250mg/50mL	(0.06 x Wt)mL/hr = 300microgram/kg/hour	ao. 0.0 /0W/V		10mg/mL (Neat)	(0.03 x Wt)mL/hr = 300microgram/kg/ho		
	>10 - ≤20kg	10mg/mL (Neat)	(0.03 x Wt)mL/hr = 300microgram/kg/hour			n/a	n/a		
	>20kg	10mg/mL (Neat)	(0.03 x Wt)mL/hr = 300microgram/kg/hour			n/a	n/a		
Salbutamol	≤2.5kg	10mg/50mL	(0.3 x Wt)mL/hr = 1 microgram/kg/min	Glucose 5%w/v	0-5microgram/kg/min	FOrm of Formal (NI 1)	(0.06 x Wt)mL/hr = 1 microgram/kg/mir		
Salbutamol (If select neat - then via CVC only)				NaCl 0.9%w/v	0-Smicrogram/kg/min	50mg/50mL (Neat)			
	>2.5 - ≤5kg	10mg/50mL	(0.3 x Wt)mL/hr = 1 microgram/kg/min	NaCi 0.9%W/V		50mg/50mL (Neat)	(0.06 x Wt)mL/hr = 1 microgram/kg/mir		
	>5 -≤10kg	10mg/50mL	(0.3 x Wt)mL/hr = 1 microgram/kg/min		*!	50mg/50mL (Neat)	(0.06 x Wt)mL/hr = 1 microgram/kg/mir		
(>20kg Also offered non-weight based option)	>10 - ≤20kg >20kg	10mg/50mL 10mg/50mL	(0.06 x Wt)mL/hr = 0.2 microgram/kg/min* (0.06 x Wt)mL/hr = 0.2 microgram/kg/min*		*lower default start *lower default start	50mg/50mL (Neat) 50mg/50mL (Neat)	(0.012 x Wt)mL/hr = 0.2 microgram/kg/m (0.012 x Wt)mL/hr = 0.2 microgram/kg/m		
>zung Also ollered flori-weight based option)	>zukg	TUTIIg/SUTIL	(0.00 x wtjiiiL/iii = 0.2 microgram/kg/min*		iowei delauit start	Surig/SumL (Neat)	(0.012 x wtjiiiL/iii = 0.2 microgram/kg/m		
Salbutamol NON-weight based	>20kg	10mg/50mL	1.5mL/hr = 5 microgram/min	Glucose 5%w/v	3-20microgram/min	50mg/50mL (Neat)	0.3mL/hr = 5 microgram/min		
(If select neat - then via CVC only)	1		(Non-Wt based dosing)	NaCl 0.9%w/v	(Non-Wt based dosing)				

Program   Prog	STANDARD CON	STANDARD CONCENTRATION DRUG LIBRARY TSCUH PICU Full Library					Actual Rate (mL/hour) = Actual Dose x Default Rate					
								Default Dose				
Sidenaffi Load	Ů			Default rate = Default dose  All weights in kg		Ç	, , ,	Default rate = Default dose  All weights in kg				
Sodium Benzoate Load   All   2g40mt, [Pertugal or 50mm/m   50mm/m   16mm/m   16mm/	Sildenafil Maintenance	All	10mg/50mL	(0.15 x Wt)mL/hr = 0.03 mg/kg/hour		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		n/a	0.8mg/mL (Neat)	VTBI for 0.1mg/kg dose = (0.125 x Wt)mL				
	Sodium Benzoate Load	All	2g/40mL (Perfusor) or	VTBI for 250mg/kg dose = (5 x Wt)mL	Glucose 10%w/v	250mg/kg	n/a	n/a				
Sodium Chloride 3%	(In own care unit on pumps - "Metabolic Agents")		50mg/mL (Infusomat)									
Sodium Chloride 3%	Sodium Benzoate Maintenance	All		(0.417 x Wt)mL/hr = 500mg/kg/24hours	Glucose 10%w/v	250 - 500mg/kg/24hours	n/a	n/a				
\$10 - 220kg   250mmol/500mL	(In own care unit on pumps - "Metabolic Agents")					0 0						
Sodium Nitroprusside   \$2.5 kg   25mg/50mL   (0.06 x WijmL/hr = 0.5 microgram/kg/min   (0.06 x WijmL/hr = 0.5 microgram/kg/min   (0.05 x WijmL/hr = 0.5 microgram/kg/min   (0.05 x WijmL/hr = 0.5 microgram/kg/min   (0.03 x WijmL/hr = 0.5 mi	Sodium Chloride 3%				n/a							
\$2.5 - \$10kg   \$2.5 mg/50mL   \$2.5				VTBI for 1.5mmol/kg dose = (3 x Wt)mL			n/a	n/a				
\$2.5 - \$10kg   \$2.5 mg/50mL   \$2.5	Sodium Nitroprusside	<2 5kg	25mg/50ml	$(0.06 \times \text{Wt})\text{ml/hr} = 0.5 \text{microgram/kg/min}$	Glucose 5%w/v	0 -8microgram/kg/min	50ma/50ml	(0.03 x Wt)ml /hr = 0.5 microgram/kg/min				
5-5-10kg   50mg/50mL   10.03 x WrijmLhr = 0.5 microgram/kg/min   50mg/50mL	Codium Nitroprusside				Glacosc 570W/V	o omicrogram/kg/min		(0.03 x Wt)mL/hr = 0.5 microgram/kg/min				
Sodium Phenylbutyrate Load   All   2g/40mt. (Perfusor) or   Somg/som_L   (0.03 x Wri)mLhr = 0.5 microgram/kg/min								(0.03 x Wt)mL/hr = 0.5 microgram/kg/min				
Sodium Phenylbutyrate Load   All   2g/40ml. (Perfusor) or   Somg/s0ml.   (0.03 x WtjmL/hr = 0.5 microgram/kg/mi   Somg/s0ml.   (0.04 x WtjmL/hr = 0.5 microgram/kg/mi   Somg/s0ml.   (0.05 x WtjmL/hr = 0.5 micr		>10 - ≤20kg		(0.03 x Wt)mL/hr = 0.5 microgram/kg/min				(0.03 x Wt)mL/hr = 0.5 microgram/kg/min				
Sodium Phenylibutyrate Maintenance   All   2g/40mt. (Perfusor) or   50mg/mL (Influsomat)		>20kg	50mg/50mL	(0.03 x Wt)mL/hr = 0.5 microgram/kg/min			50mg/50mL	(0.03 x Wt)mL/hr = 0.5 microgram/kg/min				
Sodium Phenylibutyrate Maintenance	Sodium Phenylbutyrate Load	All	2g/ <b>40</b> mL (Perfusor) or	VTBI for 250mg/kg dose = (5 x Wt)mL	Glucose 10%w/v	250mg/kg	n/a	n/a				
Somg/mL (Infusomat)   Somg/mL (Infusomat)   See protocol   Somg/somL   Somg/	(In own care unit on pumps - "Metabolic Agents")					over 90 mins						
Somg/mL (Infusional)	Sodium Phenylbutyrate Maintenance	All	2g/40mL (Perfusor) or	(0.417 x Wt)mL/hr = 500mg/kg/24hours	Glucose 10%w/v	250 - 500mg/kg/24hours	n/a	n/a				
Central	(In own care unit on pumps - "Metabolic Agents")											
S-≤10kg   500mg/50mL   (0.2 x Wt)mL/hr = 2 mg/kg/hour   (0.08 x Wt)mL/hr = 2 mg/kg/hour   (0.09 x Wt)mL/hr	Thiopental Sodium		500mg/50mL		NaCl 0.9%w/v	2 - 8mg/kg/hr	1250mg/50mL					
1250mg/50mL   1250mg/50mL   (0.08 x Wt)mL/hr = 2 mg/kg/hour   2500mg/50mL   (0.04 x Wt)mL/hr = 2 mg/kg/hour   2500mg/s0mL   2500mg/s0mL   2500mg/s0mL   2500mg/s0mL   2500mg	(Central)						1250mg/50mL					
Source   S												
Thiopental Sodium (Peripheral - Emergency ONLY)				$(0.08 \times Wt)$ mL/hr = 2 mg/kg/hour								
Peripheral - Emergency ONLY    Tranexamic Acid   All   20mg/mL   (0.05 x Wt)mL/hr = 1 mg/kg/hour   Glucose 5%w/v   1-10mg/kg/hour   100mg/mL (Neat)   (0.01 x Wt)mL/hr = 1 mg/kg/hour   At usual TSCUH dose:   (Loading dose offered at beginning of infusion)   in TSCUH    (Not usual conc.   in TSCUH)   (Usual conc.   in TSCU		>20kg	1250mg/50mL	(0.08 x Wt)mL/hr = 2 mg/kg/hour			2500mg/50mL	(0.04 x Wt)mL/hr = 2 mg/kg/hour				
Tranexamic Acid   Continuous   Continuous   (Not usual conc. (Not usual conc. (In TSCUH)   (Non-Continuous)   (Non-Cont		All	125mg/50mL	$(0.8 \times Wt)$ mL/hr = 2 mg/kg/hour	NaCl 0.9%w/v	2 - 8mg/kg/hr	n/a	n/a				
Continuous (  Loading dose offered at beginning of infusion)				(0.07 140) 1.0	1			(0.04, 144) 1.7				
(Loading dose offered at beginning of infusion)  Tranex Acid Wt-based Slow Bol (Non-Continuous)  (>20kg also offered non-weight based option)  Tranex amic Acid 1-2g NON-Weight Based (Non-Continuous)  Vancomycin  Vasopressin    20mg/mL (Neat) (Not usual conc. in TSCUH) (Usual conc. in TSCUH)    10-100mg/kg (10-100mg/kg (10-100mg		All		$(0.05 \times Wt)$ mL/hr = 1 mg/kg/hour		1-10mg/kg/hour						
Tranex Acid Wt-based Slow Bol (Non-Continuous)					NaCi 0.9%w/v							
(Non-Continuous) (>20kg also offered non-weight based option)  Tranexamic Acid 1-2g NON-Weight Based (Non-Continuous)  Vancomycin  All 5mg/mL VTBI for 15mg/kg dose = (3 x Wt)mL  Vasopressin  ✓ 2.5kg 5unit/50mL  ✓ 2.5 - ≤5kg 5unit/50mL  ✓ 2.5 - ≤10kg 20unit/50mL  ✓ 3.5 - ≤10kg 20unit/50mL  ✓ 3.5 - ≤10kg 5unit/50mL  ✓ 3.5 - ≤20kg 5unit/50mL  ✓ 4.5 - ≤20kg 5unit/50mL  ✓ 5.5 - ≤20kg		Δ"	,	\/TDI for 40mm/km data = (0.5 \cdot \\ \\ \)	Olyana - Foto /	40.400						
(>20kg also offered non-weight based option)         in TSCUH)         in TSCUH)           Iranexamic Acid 1-2g NON-Weight Based (Non-Continuous)         >20kg         100mg/mL (Neat)         VTBI for 15 mg/kg dose = 10mL         n/a         1g -1.5g over 15 mins         n/a         n/a         n/a           Vancomycin         All         5 mg/mL         VTBI for 15 mg/kg dose = (3 x Wt)mL         Glucose 5 %w/v NaCl 0.9 %w/v         15 mg/kg over 1 hour (CVC only)         VTBI for 15 mg/kg dose = (1.5 x Wt)mL           Vasopressin         ≤2.5 kg         5 unit/50mL         (0.3 x Wt)mL = 0.5 mUnit/kg/min (0.3 x Wt)mL = 0.5 mUnit/kg/min (0.3 x Wt)mL = 0.5 mUnit/kg/min (0.075 x Wt)mL = 0.5 mUnit/kg/min (0.075 x Wt)mL = 0.5 mUnit/kg/min (0.003 x Wt)mL = 0.5 mUnit/kg/min (0.003 x Wt)mL = 0.5 mUnit/kg/min (0.03 x Wt)mL = 0.5 mUnit/kg/min (0		All		VIBITOR TUMG/KG dose = (U.5 X VVt)mL		TU-TUUMg/kg	0 ( )	v i Bi for Tumg/kg dose = (U.1 x Wt)mL				
Vancomycin   All   5mg/mL   VTBI for 15mg/kg dose = 10mL   n/a   1g -1.5g over 15 mins   n/a   10mg/mL   VTBI for 15mg/kg dose = (3 x Wt)mL   Clucose 5%w/v   NaCl 0.9%w/v   NaCl 0.9%w/v   CVC only)			,		14aCi 0.9%W/V		,					
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         5unit/50mL         (0.3 x Wt)mL = 0.5mUnit/kg/min         Glucose 5%w/v         0.3- 2mUnit/kg/min         20unit/50mL         (0.075 x Wt)mL = 0.5mUnit/kg/min           >2.5 - ≤5kg         5unit/50mL         (0.075 x Wt)mL = 0.5mUnit/kg/min         NaCl 0.9%w/v         NaCl 0.9%w/v         0.0003 - 0.002Units/kg/min         0.0003 - 0.002Units/kg/min         0.0003 - 0.002Units/kg/min         0.0003 - 0.002Units/s0mL         0.003 x Wt)mL = 0.5mUnit/kg/min         0.0003 - 0.002Units/s0mL         0.003 x Wt)mL = 0.5mUnit/kg/min         Note:         n/a         n/a         n/a	Tranexamic Acid 1-2g NON-Weight Based	>20kg		VTBI for 1g dose = 10mL	n/a	1g -1.5g over 15 mins		n/a				
Vasopressin         ≤2.5kg         5unit/50mL         (0.3 x Wt)mL = 0.5mUnit/kg/min         Glucose 5%w/v         0.3- 2mUnit/kg/min         20unit/50mL         (0.075 x Wt)mL = 0.5mUnit/kg/min           >2.5 - ≤5kg         5unit/50mL         (0.3 x Wt)mL = 0.5mUnit/kg/min         NaCl 0.9%w/v         0.0003 - 0.002Units/kg/min         20unit/50mL         (0.075 x Wt)mL = 0.5mUnit/kg/min           >5 -≤10kg         20unit/50mL         (0.075 x Wt)mL = 0.5mUnit/kg/min         50unit/50mL         50unit/50mL         (0.03 x Wt)mL = 0.5mUnit/kg/min           >10 - ≤20kg         50unit/50mL         (0.03 x Wt)mL = 0.5mUnit/kg/min         Note:         n/a         n/a		All	5mg/mL	VTBI for 15mg/kg dose = (3 x Wt)mL		15mg/kg over 1 hour		VTBI for 15mg/kg dose = (1.5 x Wt)mL				
>2.5 - ≤5kg       5unit/50mL       (0.3 x Wt)mL = 0.5mUnit/kg/min       NaCl 0.9%w/v       0.0003 - 0.002Units/kg/min       20unit/50mL       (0.075 x Wt)mL = 0.5mUnit/kg/min         >5 -≤10kg       20unit/50mL       (0.075 x Wt)mL = 0.5mUnit/kg/min       50unit/50mL       (0.03 x Wt)mL = 0.5mUnit/kg/min       0.003 x Wt)mL = 0.5mUnit/kg/min       Note:       n/a       n/a	Vasopressin	≤2.5ka	5unit/50mL	$(0.3 \times Wt)mL = 0.5mUnit/ka/min$		0.3- 2mUnit/kg/min		(0.075 x Wt)mL = 0.5mUnit/ka/min				
>5 -≤10kg       20unit/50mL       (0.075 x Wt)mL = 0.5mUnit/kg/min       50unit/50mL       (0.03 x Wt)mL = 0.5mUnit/kg/min         >10 - ≤20kg       50unit/50mL       (0.03 x Wt)mL = 0.5mUnit/kg/min       Note:       n/a       n/a	p											
>10 - ≤20kg 50unit/50mL (0.03 x Wt)mL = 0.5mUnit/kg/min Note: n/a n/a						- ··· <b>y</b> ······						
						Note:		,				
						1mUnit = 0.001unit						