

Name:	DOB:	Embrace No.	NHS No.	Weight:
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Drug	Dose range	Dose prescribed	Route	Prescribers signature	Date/time given	Checked/given by	Batch No.
INDUCTION AGENTS							
	Dilute to:						
Ketamine	10 mg/ml	1 - 2 mg/kg					
Rocuronium	10 mg/ml	1 mg/kg					
Fentanyl	10 micrograms/ml	2 - 5 micrograms/kg					
Atropine	600 micrograms/ml	20 micrograms/kg (min 100 micrograms, MAX 600 micrograms)					
Propofol	1% = 10 mg/ml	1 - 4 mg/kg (CAUTION with cardiovascular instability)					
Thiopentone	25 mg/ml	1 - 5 mg/kg					
REVERSAL AGENTS							
Naloxone (emergency opioid overdose)	Under 12 years	100 micrograms/kg (MAX 2 mg)					
Naloxone (emergency opioid overdose)	12 years+	400 micrograms then 800 micrograms at 1 minute intervals for up to 2 doses then 2 mg for 1 dose					
Sugammadex (for rocuronium)		16 mg/kg					
Neostigmine/Glycopyrolate (for atracurium/rocuronium)		0.02 ml/kg (MAX 2 ml per course)					
RESUSCITATION DRUGS							
Adrenaline 1:10,000		0.1 ml/kg = 10 micrograms/kg MAX 1 mg					
Calcium Gluconate 10%		0.5 ml/kg MAX 20 ml					
Sodium Bicarbonate 8.4%		1 ml/kg (1 mmol/kg)					
Glucose 10%		2 ml/kg					
Lorazepam		0.1 mg/kg MAX 4 mg					
2.7% Sodium Chloride		3 - 5 ml/kg over 30 mins					
Mannitol 20%		2.5 ml/kg (500 mg/kg) over 30 mins					
Amiodarone (for cardiac arrest)		5 mg/kg over 3 minutes MAX 300 mg - use dextrose flush					
Atropine		20 micrograms/kg (min 100 micrograms, MAX 600 micrograms)					



Embrace Paediatric Prescription Chart

Sheffield Children's **NHS**
NHS Foundation Trust

Patient name: DOB: Weight: Age: Corrected gestational age: (If relevant) NHS number: Embrace number:	ALLERGY and ADVERSE drugs reaction status Unconfirmed allergy status <input type="checkbox"/>	Prescriber information/stamp:								
	<table border="1"> <thead> <tr> <th>Medicine/ Substance</th> <th>Description of allergy/ reaction</th> <th>Signature</th> <th>Print Name</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		Medicine/ Substance	Description of allergy/ reaction	Signature	Print Name	Date			
Medicine/ Substance	Description of allergy/ reaction	Signature	Print Name	Date						
<p>IF PATIENT HAS BMI >98th CENTILE PLEASE CONSIDER: IDEAL BODY WEIGHT PRESCRIBING FOR: ADRENALINE, PROPOFOL, THIOPENTONE, KETAMINE, MIDAZOLAM, FENTANYL, MORPHINE ADJUSTED BODY WEIGHT PRESCRIBING FOR: ROCURONIUM AND ATRACURIUM</p>										

Date / Time	Drug / Fluid bolus	Dose	Dose/Kg	Route	Over time	Signature	Date/time given	Checked/given by	Batch No.
	Paracetamol (1 month/44 wks CGA - 18 yrs)		15 mg/kg MAX 1 gram	IV	15 mins				

Date / Time	Infusion fluid	Batch No.	Total volume	Rate of infusion	Drugs added			Signature	Date/time started	Checked/given by
					Drug(s)	Dose added	Batch No.			

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Sedatives/Paralytics and miscellaneous	Concentration	Amount in syringe	Dose range	Infusion rate	Prescribers signature	Date/time started	Checked/ given by	Batch No.
Dinoprostone	6 micrograms/ml	300 micrograms in 50ml total Glu 5%	5 - 100 nanograms/kg/min	0.1 ml/kg/hr = 10 nanograms/kg/min				
FOLLOW ODN GUIDELINE OR CARDIOLOGY ADVICE (use neonatal profile on pump)								
Morphine Under 50kg	1 mg/kg (max 50 mg)	= ___mg in 50 ml total Glu 5% or NaCl 0.9%	20 - 40 micrograms/kg/hr	1 ml/hr = 20 micrograms/kg/hr				
Morphine 50kg+	1 mg/ml	50 mg in 50 ml total Glu 5% or NaCl 0.9%	20 - 40 micrograms/kg/hr	0.02 ml/kg/hr = 20 micrograms/kg/hr				
Midazolam Under 40kg	6 mg/kg	= ___mg in 50 ml total Glu 5% or NaCl 0.9%	120 - 360 micrograms/kg/hr	1 ml/hr = 120 micrograms/kg/hr				
Midazolam 40kg+	3 mg/kg	= ___mg in 50 ml total Glu 5% or NaCl 0.9%	120 - 360 micrograms/kg/hr	2 ml/hr = 120 micrograms/kg/hr				
Ketamine	1 mg/ml	50 mg in 50 ml total Glu 5% or NaCl 0.9%	10 - 45 micrograms/kg/min	0.6 ml/kg/hr = 10 micrograms/kg/min				
Propofol 1%	10 mg/ml NEAT	500 mg in 50 ml	0.3 - 4 mg/kg/hr	0.1 ml/kg/hr = 1 mg/kg/hr				
Rocuronium Under 10kg	2 mg/ml	50 mg in 25 ml total Glu 5% or NaCl 0.9%	300 - 600 micrograms/kg/hr	0.15 ml/kg/hr = 300 micrograms/kg/hr				
Rocuronium 10kg+	10 mg/ml NEAT	250 mg in 25 ml	300 - 600 micrograms/kg/hr	0.03 ml/kg/hr = 300 micrograms/kg/hr				
Atracurium Under 10kg	5 mg/ml	250 mg in 50 ml total Glu 5% or NaCl 0.9%	0.5 - 1 mg/kg/hr	0.1 ml/kg/hr = 0.5 mg/kg/hr				
Atracurium 10kg+	10 mg/ml NEAT	250 mg in 25 ml	0.5 - 1 mg/kg/hr	0.1 ml/kg/hr = 1 mg/kg/hr				
Heparin (arterial line)	1 unit/ml	50 units in 50 ml total NaCl 0.9%	0.5 - 2 unit/hr	0.5 - 2 ml/hr				

Age	Weight (kg)	ETT size	At lips (cm)	At nose (cm)	Heart rate	Resp. rate	Systolic BP 5th centile	Systolic BP 50th centile
1 month	4.5	3.5	9	11	120 - 170	25 - 50	65 - 75	80 - 90
3 month	6	3.5 - 4.0	10	12	115 - 165	25 - 45	65 - 75	80 - 90
6 month	8	4.0	12	14	110 - 160	20 - 40	65 - 75	80 - 90
1 years	9.5	4.0 - 4.5	13	15	110 - 160	20 - 40	70 - 75	85 - 95
2 years	12	4.5	13	15	100 - 150	20 - 30	70 - 80	85 - 100
3 years	14	5.0	14	16	90 - 140	20 - 30	70 - 80	85 - 100
4 years	16	5.0	14	17	80 - 135	20 - 30	80 - 90	85 - 100
6 years	20	5.5	15	19	80 - 130	20 - 30	80 - 90	90 - 110
8 years	25	6.0	16	20	70 - 120	15 - 25	80 - 90	90 - 110
10 years	32	6.5	17	21	70 - 120	15 - 25	80 - 90	90 - 110
12 years	43	7.0 - 7.5	18	22	65 - 115	12 - 24	90 - 105	100 - 120
14 years	50	7.5 - 8.0	21	25	60 - 110	12 - 24	90 - 105	100 - 120
Adult	60 - 70	8.0 - 9.0	21 - 24	25 - 28	60 - 110	12 - 24	90 - 105	100 - 120

Maintenance fluids
100ml/kg for 1 st 10 kg
50ml/kg for 2 nd 10kg
20ml/kg for each subsequent kg
Total required at 100% for 24hrs
Total in 24hrs in ml/hr
Amount to be given %
Hourly rate required (ml)
>65kg IV Fluids = 2400ml/day
Maximum Fluid Bolus per dose = 1000ml
Usually include infusion volumes in overall total
Consider neonatal fluid calculation for < 4 weeks old

ANAPHYLAXIS	
IM ADRENALINE 1:1000	
Age	Dose
Less than 6 months	100 - 150 micrograms (0.1 - 0.15ml)
6 months to 6 years	150 micrograms (0.15ml)
6 to 12 years	300 micrograms (0.3ml)
More than 12 years	500 micrograms (0.5ml)

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PUSH PRESSORS (PERIPHERAL OR CENTRAL) Clearly label as dilute	Drug	Concentration	Amount in syringe	Dose range	Dose required (ml)	Prescribers signature	Date/time started	Checked/ given by	Batch No.	Total volume given
	Adrenaline (dilute bolus)	10 micrograms/ml	100 micrograms (1 ml of 1:10,000) in 10ml total NaCl 0.9%	1 microgram/kg (0.1ml/kg) MAX 20 micrograms						
Metaraminol	100 micrograms/ml	1 mg in 10ml total NaCl 0.9%	10 micrograms/kg (0.1ml/kg) MAX 500 micrograms							

Vasoactive agents	Concentration	Amount in syringe	Dose range	Infusion rate	Prescribers signature	Date/time started	Checked/ given by	Batch No.
Adrenaline PERIPHERAL	20 micrograms/ml	1 mg in 50 ml total NaCl 0.9%	0.1 - 1.5 micrograms/kg/min	0.3 ml/kg/hr = 0.1 micrograms/kg/min				
Adrenaline CENTRAL Under 50kg	300 micrograms/kg	= ___mg in 50 ml total Glu 5% or NaCl 0.9%	0.1 - 1.5 micrograms/kg/min	1 ml/hr = 0.1 micrograms/kg/min				
Adrenaline CENTRAL 50kg+	320 micrograms/ml	16 mg in 50 ml total Glu 5% or NaCl 0.9%	0.1 - 1.5 micrograms/kg/min	0.018 ml/kg/hr = 0.1 micrograms/kg/min				
Dobutamine PERIPHERAL	3 mg/kg (MAX 250 mg in 50 ml)	= ___mg in 50 ml total Glu 5% or NaCl 0.9%	2 - 20 micrograms/kg/min	2 ml/hr = 2 micrograms/kg/min				
Dobutamine CENTRAL Under 40kg	15 mg/kg	= ___mg in 50 ml total Glu 5% or NaCl 0.9%	2 - 20 micrograms/kg/min	1 ml/hr = 5 micrograms/kg/min				
Dobutamine CENTRAL 40kg+	12.5 mg/ml	625 mg in 50 ml Neat	2 - 20 micrograms/kg/min	0.024 ml/kg/hr = 5 micrograms/kg/min				
Noradrenaline PERIPHERAL	20 micrograms/ml	1 mg in 50 ml total Glu 5%	0.02 - 1 micrograms/kg/min	0.3 ml/kg/hr = 0.1 micrograms/kg/min				
Noradrenaline CENTRAL Under 50kg	300 micrograms/kg	= ___mg in 50 ml total Glu 5%	0.02 - 1 micrograms/kg/min	1 ml/hr = 0.1 micrograms/kg/min				
Noradrenaline CENTRAL 50kg+	320 micrograms/ml	16 mg in 50 ml total Glu 5%	0.02 - 1 micrograms/kg/min	0.018 ml/kg/hr = 0.1 micrograms/kg/min				
Milrinone PERIPHERAL	200 micrograms/ml	10 mg in 50 ml total Glu 5% or NaCl 0.9%	0.3 - 0.75 micrograms/kg/min	0.09 ml/kg/hr = 0.3 micrograms/kg/min				
Milrinone CENTRAL	1 mg/ml	50 mg in 50 ml Neat	0.3 - 0.75 micrograms/kg/min	0.018 ml/kg/hr = 0.3 micrograms/kg/min				
Vasopressin (Argipressin) CENTRAL Under 10kg	200 milliunits/ml	10 units in 50 ml total Glu 5% or NaCl 0.9%	0.15 - 2 milliunits/kg/min	0.03 ml/kg/hr = 0.1 milliunits/kg/min				
Vasopressin (Argipressin) CENTRAL 10kg+	400 milliunits/ml	20 units in 50 ml total Glu 5% or NaCl 0.9%	0.15 - 2 milliunits/kg/min	0.015 ml/kg/hr = 0.1 milliunits/kg/min				