

MRN

Fill in MRN Number, Name & Date of Birth DD/MM/YYYY.

Name

Weight
Checked

Kg

Date of Birth

Weight kg

Enter weight 0.000 and press calculate. Ensure weight is still valid before use.

Emergency

As per NLS where included

Adrenaline		ml (0.1ml/kg 1:10,000 1mg/10ml)
Sodium Bicarb 4.2%	to	ml (2-4ml/kg)
Sodium Bicarb 8.4%	to	ml (1-2ml/kg dilute 1:1)
Glucose 10%		ml (3ml/kg)
Albumin 5%	to	ml (5-10ml/kg)
Albumin 20%		ml (2.5ml/kg)
Adenosine (1st Dose)		micrograms (150mcg/kg)
Adenosine (2nd Dose)		micrograms (200mcg/kg)
Adenosine (3rd Dose)		micrograms (300mcg/kg)

Intubation

Fentanyl (Term)	micrograms (4mcg/kg)
Fentanyl (Preterm)	micrograms (2mcg/kg)
Atropine	micrograms (20mcg/kg)
Suxamethonium	mg (3mg/kg)

Pain / Sedation / Paralysis

Morphine Bolus	to	micrograms (50-100mcg/kg) every 6 hours.
Paracetamol		mg (7.5mg/kg) infuse over 15 minutes - Maximum of 4 doses in 24 hours.
Midazolam Bolus	to	micrograms (50 - 150 mcg/kg) over 5 minutes - May be repeated in 2 - 4 hours.
Pancuronium	to	micrograms (30-50 mcg/kg)
Rocuronium		micrograms (600mcg/kg)

Antimicrobial

Initial doses only. Dose frequency varies with gestational age.

Amoxicillin	mg (50mg/kg)
Benzylpenicillin	mg (50mg/kg)
Cefotaxime	mg (50mg/kg)
Flucloxacillin	mg (50mg/kg)
Gentamicin	mg (5mg/kg) - Not for cooled Babies
Meropenem	mg (20mg/kg)
Metronidazole	mg (15mg/kg Loading)
Vancomycin	mg (15mg/kg Loading)

Antiviral

Aciclovir	mg (20mg/kg)
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Antifungal

Fluconazole	mg (6mg/kg) -Prophylactic Dose
Fluconazole	mg (12mg/kg) -Treatment Dose
	Infuse over 15-30 mins

Seizures

Phenobarbitone	mg (20mg/kg Loading)
Phenytoin	mg (20mg/kg Loading)

Lines, Tubes and Surfactant

Poractant alpha ET (CuroSurf)	mg (200mg/kg initial dose)
ETT Diameter	mm
ETT Length at Lips	cm
UAC Length	cm (plus cord length) (weight x 3) + 9
UVC Length	cm (plus cord length) (weight x 1.5) + 5.5

Disclaimer

This guidance does not override individual responsibility of healthcare professionals to make decisions appropriate to the circumstances of the individual patients. It remains the responsibility of the prescriber to ensure all doses are correctly prescribed before they are administered. Furthermore, the authors or OUH will accept neither responsibility or liability for any drug administration or dosing errors.

Inotropes	MRN Number	Name	Date Of Birth	Weight	kg	Ranges
<u>*Lower rate dose Adrenaline 1:1000 (1mg/1ml)</u>						Lower Range : Starting at 20 nanogram/kg/min (=0.02 micrograms/kg/min) increased by 10-20 nanograms/kg/min every 1 to 10 minutes
Adrenaline	mg	(0.6mg/kg in 50mls 5%-10% Glucose or 0.45%-0.9% Saline)	-Infusion rate of	ml/hr = (0.1ml/hr) = (0.02mcg/kg/min =20 nanograms/kg/min)		
<u>*Single Strength Adrenaline 1:1000 (1mg/1ml)</u>						Starting at 100 nanogram/kg/min (=0.1 micrograms/kg/min) increased by 100 nanograms/kg/min every 1 to 10 minutes up to 1500 nanograms/kg/min (=1.5 micrograms/kg/min)
Adrenaline	mg	(3mg/kg in 50mls 5%-10% Glucose or 0.45%-0.9% Saline)	-Infusion rate of	ml/hr = (0.1ml/hr) = (0.1mcg/kg/min =100 nanograms/kg/min)		
<u>*Double Strength Adrenaline 1:1000 (1mg/1ml)</u>						
Adrenaline	mg	(6mg/kg in 50mls 5%-10% Glucose or 0.45%-0.9% Saline)	-Infusion rate of	ml/hr = (0.05ml/hr) = (0.1mcg/kg/min =100 nanograms/kg/min)		
<u>*Single Strength</u>						
Dobutamine	mg	(30mg/kg in 50mls 5%-10% Glucose or 0.45%-0.9% Saline)	-Infusion rate of	ml/hr = (0.5ml/hr) = (5 mcg/kg/min)		Starting at 2 to 5 microgram/kg/min increased by 1 to 10 micrograms every 3 to 10 minutes up to 20 micrograms/kg/min
<u>*Double Strength</u>						
Dobutamine	mg	(60mg/kg in 50mls 5%-10% Glucose or 0.45%-0.9% Saline)	-Infusion rate of	ml/hr = (0.25ml/hr) = (5 mcg/kg/min)		
<u>*Single Strength</u>						
Dopamine	mg	(30mg/kg in 50mls 5%-10% Glucose or 0.45%-0.9% Saline)	-Infusion rate of	ml/hr = (0.5ml/hr) = (5 mcg/kg/min)		Starting at 2 to 5 microgram/kg/min increased by 1 to 10 micrograms every 10 to 40 minutes up to 20 micrograms/kg/min
<u>*Double Strength</u>						
Dopamine	mg	(60mg/kg in 50mls 5%-10% Glucose or 0.45%-0.9% Saline)	-Infusion rate of	ml/hr = (0.25ml/hr) = (5 mcg/kg/min)		
<u>*Single Strength</u>						
Milrinone	mg	(1.5mg/kg in 50mls 5%-10% Glucose or 0.45%-0.9% Saline)	-Infusion rate of	ml/hr = (1ml/hr) = (0.5 mcg/kg/min)		Starting at 0.2 microgram/kg/min to 0.5 microgram/kg/min up to 0.75 micrograms/kg/min
<u>*Double Strength</u>						
Milrinone	mg	(3mg/kg in 50mls 5%-10% Glucose or 0.45%-0.9% Saline)	-Infusion rate of	ml/hr = (0.5ml/hr) = (0.5 mcg/kg/min)		
<u>*Single Strength</u>						
Noradrenaline	mg	(0.3mg/kg of Noradrenaline Base in 50 mls 5%-10% Glucose or 0.45%-0.9% Saline)	-Infusion rate of	ml/hr = (0.1ml/hr) = (0.01mcg/kg/min =10 nanograms/kg/min)		Starting at 10 nanogram/kg/min increased by 10 to 20 nanograms/kg/min every 1 to 10 minutes up to 100 nanograms/kg/min (=0.1 microgram/kg/min)
<u>*Double Strength</u>						
Noradrenaline	mg	(0.6mg/kg of Noradrenaline Base in 50 mls 5%-10% Glucose or 0.45%-0.9% Saline)	-Infusion rate of	ml/hr = (0.05ml/hr) = (0.01mcg/kg/min =10 nanograms/kg/min)		

Pain / Sedation / Paralysis

			Rate	Range
<u>*Single Strength</u>				
Morphine	Take 0.25ml of Morphine 10mg in 1ml and add to 50ml of 5%-10% Glucose or 0.45%-0.9% Saline = 50mcg in 1 ml			
	(2.5mg in 50mls 5%-10% Glucose or 0.45%-0.9% Saline) =50mcg in 1 ml = (10mcg/kg/hr) or (0.2ml/kg/hr)		ml/hr =(10mcg/kg/hr)	5 - 25 micrograms/kg/hr
<u>*Double Strength</u>				
Morphine	Take 0.5ml of Morphine 10mg in 1ml and add to 50ml of 5%-10% Glucose or 0.45%-0.9% Saline = 100mcg in 1 ml			
	(5mg in 50mls 5%-10% Glucose or 0.45%-0.9% Saline) =100mcg in 1 ml = (10mcg/kg/hr) or (0.1ml/kg/hr)		ml/hr =(10mcg/kg/hr)	
<u>*Single Strength</u>				
Midazolam	mg (5mg/kg in 50mls 5%-10% Glucose or 0.9% Saline)	-Infusion rate of	ml/hr = (0.6ml/hr) = (60mcg/kg/hr)	Range
<u>*Double Strength</u>				
Midazolam	mg (10mg/kg in 50mls 5%-10% Glucose or 0.9% Saline)	-Infusion rate of	ml/hr = (0.3ml/hr) = (60mcg/kg/hr)	20 - 50 micrograms/kg/hr
<u>*Quadruple Strength</u>				
Midazolam	mg (20mg/kg in 50mls 5%-10% Glucose or 0.9% Saline)	-Infusion rate of	ml/hr = (0.15ml/hr) = (60mcg/kg/hr)	
<u>*Single Strength</u>				
Vecuronium	NOTE : Reconstitute Vecuronium 10mg powder for injection with 5 mls of water for injection to provide 2mg in 1 ml			Range
	mg (5mg/kg in 50mls 5%-10% Glucose or 0.45%-0.9% Saline)	-Infusion rate of	ml/hr = (0.5ml/hr) = (50mcg/kg/hr)	
<u>*Double Strength</u>				
Vecuronium	mg (10mg/kg in 50mls 5%-10% Glucose or 0.45%-0.9% Saline)	-Infusion rate of	ml/hr = (0.25ml/hr) = (50mcg/kg/hr)	50 - 100 micrograms/kg/hr

Prostin Initial dilution: Dinoprostone Prostin E2 Take 0.1 ml (equals 1mg =1000micrograms) from Prostin E2 ampoule (10mg/ml). Then make up to 40ml with 5% Glucose. (This equals 25 micrograms/ml)

			Rate	Range
<u>*Single Strength</u>				
Dinoprostone	Take 1 ml (25micrograms) of Initial dilution up to 49mls 5% Glucose = 0.5mcg/ml=500 nanograms/ml		ml/hr = (5 nanograms/kg/min)	
<u>*Double Strength</u>				
Dinoprostone	Take 2 ml (50micrograms) of Initial dilution up to 48mls 5% Glucose = 1mcg/ml=1000 nanograms/ml		ml/hr = (5 nanograms/kg/min)	Might be increased as necessary in 5 nanograms/kg/min increments to 20 nanograms/kg/min
<u>*Quadruple Strength</u>				
Dinoprostone	Take 4 ml (100micrograms) of Initial dilution up to 46mls 5% Glucose = 2mcg/ml=2000 nanograms/ml		ml/hr = (5 nanograms/kg/min)	

Name of Staff entering details:

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