# Neonatal Drug Formulary

## Neonatal Unit (NNU) Mbale Regional Referral Hospital

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### **Neonatal Drug Formulary**

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This formulary is aimed for medical and nursing staff working in neonatal care at Mbale Regional Referral Hospital

The drug doses are relevant up to 1 month corrected age

The drug doses specified in this formulary are in accordance with our neonatal guidelines

The main reference guide is the BNF for children published in 2014

The printing of this Neonatal Formulary is sponsored by Born on the Edge



#### Notes on neonatal medications:

If you are prescribing medications for neonates, the doses may be very small, so there is much more chance of an error occurring.

Please follow the Neonatal Drug Formulary carefully when prescribing and administering medications to neonates. This will help you to avoid errors.

Prescribe and administer medicines at a time when it is easy for staff. Avoid times of when there is a change of staff shifts as this may result in a delay in administration.

Document clearly on the front of the prescription chart

- patient's name
- hospital number
- birth weight or highest weight

Always write the drug dosage and not the volume, e.g. "mg" not "ml" except for when prescribing Haemoforte and Grovit syrups.

#### UNITS

- 1 Kilogram (kg) = 1000 grams
- 1 gram (g) = 1000 milligrams
- 1 milligram (mg) = 1000 micrograms 1 microgram (mcg) = 1000 nanograms

Drug	Amikacin
Indication	Used for the management of neonatal sepsis on the advice of a senior doctor or microbiologist
Presentation	Vial: 500mg/2ml
Dose:	Term: 15mg/kg per dose once daily <2.5kg: 10mg/kg per dose once daily <1kg: 7.5mg/kg per dose once daily
Preparation:	Diluent:       Water for injection         D5, 5 % dextrose         NS, 0.9% saline         Draw up 0.4ml (100mg) from vial         Add 9.6ml of diluent to make a total of 10ml         Total amount =100mg in 10ml         Final concentration = 10mg/ml         Example doses when diluted as described above:         Dose       10mg         15mg       30mg       45mg       60mg       75mg         Volume       1.0ml       1.5ml       3ml       4.5ml       6ml       7.5ml
Administration	Intravenous (IV): Slow IV injection over 3-5 minutes Intramuscular (IM)
Adverse effects	Hearing loss Reduced renal function Renal Failure
Comments	Use Amikacin <b>within 24 hours</b> of diluting Store in fridge if possible <b>Flush</b> the cannula before and after with 0.5ml -1ml of NS

Drug	Aminophylline
Indication	Used for the management of apnoea of prematurity
Presentation	Vial: 250mg in 10ml = 25mg/ml
Dose:	Loading dose: 6 mg/kg ONCE ONLY Maintenance dose: 2 mg/kg/dose TWICE DAILY. Start maintentance dose 12 hours after loading dose. If still having apnoea consider increasing maintenance dose to 3 mg/kg/dose TWICE DAILY
Preparation:	Diluent:       • Water for injection         • 0.9% Sodium Chloride (NS)         • 5% Dextrose (D5)         Draw up 2ml Aminophylline (50mg)         Add 8ml to make a total of 10ml         Total amount = 50mg in 10ml         Final concentration = 5mg/ml         Example doses when diluted as described above:         Dose       2mg       3mg       4mg       6mg       9mg       12mg         Volume       0.4ml       0.6ml       0.8ml       1.2ml       1.8ml       2.4ml
Administration	Loading dose: Intravenous (IV) over 20 minutes Maintenance dose: Intravenous (IV) slow IV push or orally
Adverse effects	Tachycardia Feeding intolerance Jittery Seizures
Comments	Use Aminophylline <b>within 24 hours</b> of diluting <b>Flush</b> the cannula before and after with 0.5ml -1ml of NS

Drug	Ampicillin	
Indication	Neonatal infections caused by susceptible organisms Provides good cover for Group B Streptococcus and Listeria	
Presentation	<b>Vial:</b> 500mg powder for injection <b>Vial:</b> 1000mg (1g) powder for injection	
Dose:	50mg/kg/dose IV 100mg/kg/dose for meningitis	
	Postnatal age Frequency	
	Under 7 days 12 hourly / BD	
	7 to 21 days 8 hourly / TDS	
	21 to 28 days 6 hourly / QDS	
Administration	<ul> <li>Water for injection</li> <li>0.9% sodium chloride (NS)</li> <li>10% or 5% Dextrose (D5 or D10)</li> <li>If using 500mg vial: Add 5ml</li> <li>Final concentration = 100mg/ml</li> <li>If using 1000mg vial: Add 10ml</li> <li>Final concentration = 100mg/ml</li> <li>Example doses when diluted as described above:</li> <li>Dose 50mg 75mg 100mg 125mg 150mg 200mg</li> <li>Volume 0.5ml 0.8ml 1.0ml 1.3ml 1.5ml 2.0ml</li> <li>Intravenous (IV)</li> <li>Intravenous (IV)</li> <li>Intramuscular (IM)</li> </ul>	
Adverse effects		
Comments	Use within <b>2 hours</b> of mixing	
	Flush the cannula before and after with 0.5ml -1ml of NS, especially between Ampicillin and Gentamicin	
	Do not mix in the same syringe as <b>Gentamicin</b> as this can cause inactivation of both drugs	
	Increase the dosage interval if there is renal failure	

Drug	Benzylpenicillin (Penicillin G, Crystapen)
Indications	Neonatal infections caused by susceptible organisms
Presentation	Vial: 600mg powder for injection
Dose:	25mg/kg per dose IV 50mg/kg per dose for meningitis or severe infection Postnatal age Frequency Under 7 days 12 hourly 7 to 28 days 8 hourly
Preparation:	Diluent:• Water for injection• 5% Dextrose (D5)• 0.9% sodium chloride (NS)Add 5.6mlOverall amount = 600mg in 6mlFinal concentration = 100mg/mlExample doses when diluted as described above:Dose 30mg 60mg 90mg 120mg 150mg 180mgVolume 0.3ml 0.6ml 0.9ml 1.2ml 1.5ml 1.8ml
Administration	Intravenous (IV): Give IV over 3 minutes
Adverse effects	Rashes Angioedema Anaphylaxis
Comments	Use within <b>1 hour</b> of mixing Do not mix with other drugs <b>Flush</b> the cannula before and after with 0.5ml -1ml of NS

Drug	<b>Cefotaxime (</b> Cefotaxime Sodium, Claforan)
Indication	Sepsis, Meningitis. 3 <sup>rd</sup> generation cephalosporin of choice for use in hospitalised neonates. When readily available use in preference to Ceftriaxone for all neonates If supply is limited use for JAUNDICE neonates and PRETERM neonates
Presentation	Vial: 500mg powder for injection Vial: 1000mg powder for injection
Dose	For meningitis and severe infection 50 mg/kg/dose For congenital gonococcal conjunctivitis 100mg/kg (max 1g) ONCE ONLY given Intramuscular (IM)
Frequency	AgeFrequencyUnder 7 days12 hourly7-21 days8 hourly21 days or more6 hourly
Preparation:	Diluent:         • Water for injection         • 5% dextrose (D5)         • 0.9% sodium chloride (NS)         If using 500mg vial: Add 5ml diluent         Overall amount = 500mg/5ml         Final concentration = 100mg/ml         If using 1000mg vial: Add 10ml diluent         Overall amount = 1000mg/10ml         Final concentration = 100mg/ml         Example doses when diluted as described above:         Dose       50mg         Jong       150mg         Volume       0.5ml
Administration	Intravenous (IV): over 3 to 5 minutes
Adverse effects	Vomiting, Diarrhoea, Rash
Comments	<ul> <li>DO NOT mix with other drugs.</li> <li>Flush the cannula before and after with 0.5ml -1ml of NS</li> <li>Reconstituted drug is stable for: <ul> <li>24 hours at room temperature</li> <li>48 hours in the fridge</li> </ul> </li> </ul>

Drug	<b>Ceftriaxone (Rocephin)</b> n.b Please use Cefotaxime if available
Indication	Sepsis, Meningitis
Presentation	Vial: 500mg Vial: 1000mg (1g)
Dose:	Sepsis: 50mg/kg/dose ONCE DAILY Meningitis: 100mg/kg loading dose THEN 80mg/kg/dose ONCE DAILY Gonococcal ophthalmia: 50mg/kg/dose
Preparation:	Diluent: • Water for injection 500mg vial: Add 5ml = 500mg in 5ml = 100mg/ml 1000mg vial: Add 10ml = 1000mg in 10ml = 1000mg in 10ml = 100mg/ml Example doses when diluted as described above: Dose 50mg 80mg 100mg 150mg 160mg 200mg Volume 0.5ml 0.8ml 1.0ml 1.5ml 1.6ml 2.0ml
Administration	Intravenous (IV) Intramuscular (IM)
Adverse effects	
Comments	<b>DO NOT</b> give to neonates with Jaundice <b>Flush</b> the cannula before and after with 0.5ml -1ml of NS

Drug	Cloxacillin
Indication	Staphylococcal Infections o Note increasing resistance to this drug
Presentation	Vial: 2000mg of powder
Dose:	<ul> <li>25 to 50 mg/kg/dose</li> <li>0 to 7 days of life – 12 hourly</li> <li>7 to 21 days of life – 8 hourly</li> <li>21 to 28 days of life – 6 hourly</li> </ul>
Preparation:	Diluent:• Water for injection• 5% Dextrose (D5)• 0.9% Sodium Chloride (NS)1st RECONSTITUTE: Add 6.8ml Water for injection to make 8mlOverall amount = 2000mg in 8mlConcentration = 250mg/ml2nd DILUTE: Take 2ml of the 250mg/ml solution (i.e.500mg)Add 8ml of water for injection to make 10mlOverall amount = 500mg in 10mlFinal concentration = 50mg/mlExample doses when diluted as described abve:Dose25mg50mg75mg100mg125mg150mgVolume0.5ml1.0ml1.5ml2.0ml2.5ml3.0ml
Administration	Intravenous (IV): Give over 3 to 5 minutes
Adverse effects	Rashes Angioedema Anaphylaxis
Comments	Use <b>within 3 days</b> of reconstitution <b>Flush</b> the cannula before and after giving with 0.5ml -1ml of NS

Drug	Domperidone (Motilium®)
Indication	Gastro-oesophageal reflux
Presentation	Oral liquid: 1mg/ml
Dose:	0.2ml/kg/dose Give 4 times per day <b>BEFORE FEEDS</b>
Preparation:	No further dilution required
Administration	<b>Oral:</b> Give prior to feeds
Adverse effects	Dry mouth Headache Galactorrhoea Rash Tremor
Comments	

Drug	Furosemide (Lasix) INTRAVENOUS
Indication	Used in fluid overload to produce a diuresis Management of Patent Ductus Arteriosus (PDA) Management of Cardiac Failure Management of pulmonary oedema
Presentation	<b>Vial:</b> 1ml, 2ml, 4ml available All are 10mg/ml
Dose:	0.5-1 mg/kg per dose every 24 hours
Preparation:	Diluent:       NS, 0.9% saline (preferred)         Water for injection       Water for injection         NOT WITH DEXTROSE       NOT WITH DEXTROSE         Draw up 1ml (10mg) from vial, add 9ml to make total 10ml         Overall amount = 10mg in 10ml         Final concentration = 1mg/ml         Example doses when diluted as described above:         Dose       1mg       1.5mg       2.0mg       2.5mg       3.0mg         Volume       1ml       1.5ml       2.0ml       2.5ml       3.0ml
Administration	Intravenous (IV): slowly ideally over 5 minutes
Adverse effects	Dehydration Hyponatraemia Hypokalaemia Rash Ototoxicity Nephrotoxicity
Comments	DO NOT mix with other drugs Flush the cannula before and after with 0.5ml -1ml of NS

Drug	Furosemide (Lasix) ORAL
Indication	Used in fluid overload to produce a diuresis Management of Patent Ductus Arteriosus (PDA) Management of Cardiac Failure Management of pulmonary oedema
Presentation	Tablet: 40 mg
Dose:	1 mg/kg per dose every 24 hours OR 0.5mg/kg per dose every 12 hours
Preparation:	<ul> <li>Diluent: <ul> <li>Breast milk</li> <li>Drinking water</li> </ul> </li> <li>Break 40mg tablet into 4 quarters Put ¼ tablet (10mg) in 5ml diluent and mix well Overall amount = 10mg in 5ml Final concentration = 2mg/ml</li> </ul> <li>Example doses when diluted as described above: <ul> <li>Dose</li> <li>1mg</li> <li>1.5mg</li> <li>2.0mg</li> <li>2.5mg</li> <li>3.0mg</li> <li>Volume</li> <li>0.5ml</li> <li>0.8ml</li> <li>1ml</li> <li>1.3ml</li> <li>1.5ml</li> </ul></li>
Administration	Orally (PO): give by NGT or orally
Adverse effects	Dehydration Hyponatraemia Hypokalaemia Rash Ototoxicity Nephrotoxicity
Comments	

Drug	Gentamicin
Indication	First line antibiotic for neonatal sepsis Aminoglycoside antibiotic for treatment of infections caused by gram negative organisms including E. Coli, Pseudomonas, Klebsiella
Presentation	Vial: 80mg/2ml
Dose:	Doses should be 24 hours apart Term: 5mg/kg/dose once daily (EVERY 24 hours only) Preterm: 3mg/kg dose once daily (EVERY 24 hours only)
Preparation:	Diluent:         • Water for injection         • NS, 0.9% saline         In 5ml syringe:         Draw up 1ml (40mg) from vial, add 3ml to make a total of 4ml         Overall amount = 40mg in 4ml         Final concentration = 10mg/ml         In 10ml syringe:         Draw up 2ml (80mg) from vial, add 6ml to make a total of 8ml         Overall amount = 80mg in 8ml         Final concentration = 10mg/ml         Example doses when diluted as described above:         Dose       3mg         Volume       0.3ml         0.4ml       0.6ml       1.2ml
Administration	Intravenous (IV): By slow IV injection over 3-5 minutes
Adverse effects	Hearing loss Reduced renal function Renal Failure
Comments	Use within <b>24 hours</b> of mixing Do not mix in the same syringe as <b>Ampicillin</b> as this can cause inactivation of both drugs Flush the cannula before and after with 0.5ml -1ml of NS ESPECIALLY between giving <b>Ampicillin and Gentamicin</b>

Drug	Ibuprofen
Indication	Used for closure of patent ductus arteriosus (PDA)
Presentation	Oral suspension: 100mg/5ml
Dose:	Initial dose: 10mg/kg (0.5ml/kg) Second dose after 24 hours: 5mg/kg (0.25ml/kg) Third dose 48 hours after first: 5mg/kg (0.25ml/kg) Doses should be 24 hours apart
Preparation:	No further dilution required
Administration	Orally or by nasogastric tube (NGT)
Adverse effects	Reduced urine output Platelet dysfunction
Comments	Give the doses at 24 hour intervals Monitor for the persistence of the PDA <b>DO NOT GIVE</b> in neonates with: o bleeding or platelet <60 o poor urine output o Signs of Necrotising Enterocolitis
Reference	Arch Dis Child Fetal Neonatal Ed. 2012 Jul;97(4):F279-83.

Drug	Iron
Indication	Prophylaxis for iron deficiency anaemia in LBW infants Given to all infants with birthweight <1.800kg from 14-28 days of age
Presentation	Haemoforte syrup = Ferric ammonium Citrate 1000mg/100ml = Elemental Iron 2mg per ml
Dose:	2mg/kg/day of elemental iron = 1ml/kg per day of haemoforte up to maximum 2.5ml
Preparation:	No further dilution required
Administration	Orally once daily
Adverse effects	Gastrointestinal disturbances, dark stools, haemolysis
Comments	

Drug	Ketamine Hydrochloride (Ketamine HCl)
Indication	Analgesia during painful procedures such as incision and drainage, silo placement for gastroschisis ONLY TO BE GIVEN BY NEONATOLOGIST OR NEONATAL CLINICIAN. PATIENT MUST HAVE CONTINUOUS PULSE OXIMETRY MONITORING DURING PROCEDURE
Presentation	Bottle: 500mg/10ml
Dose:	0.25mg/kg up to <b>three times maximum</b> Given 5 minutes apart minimum
Preparation:	Diluent:       • Water for injection         • NS, 0.9% saline         In 10ml syringe:         Draw up 0.2ml (10mg) from vial, add 9.8ml to make a total of 10ml         Overall amount = 10mg in 10ml         Final concentration = 1mg/ml         Example doses when diluted as described above:         Dose       0.3mg       0.4mg       0.5mg       0.8mg       1mg         Volume       0.3ml       0.4ml       0.5ml       0.8ml       1.0ml
Administration	Intravenous (IV) Ensure continuous monitoring with pulse oximeter throughout administration and for 30 minutes afterwards
Adverse effects	Secretions Tachycardia Respiratory depression Loss of airway reflexes
Comments	ONLY TO BE GIVEN BY NEONATOLOGIST OR NEONATAL CLINICIAN.

Drug	Metronidazole (Flagyl, Metrogyl)
Indication	Suspected or proven anaerobic infection Necrotising Enterocolitis (NEC)
Presentation	Bottle: 500mg/100ml
Dose:	7.5mg/kg per dose <b>twice daily</b>
Preparation:	No further dilution required Overall amount = 500mg/100ml Concentration = 5mg/ml Example doses when diluted as described above: Dose 7.5mg 11mg 15mg 18mg 22.5mg Volume 1.5ml 2.2ml 3.0ml 3.6ml 4.5ml
Administration	Intravenous (IV) slowly over 30 minutes
Adverse effects	Gastrointestinal disturbance Peripheral neuropathy if prolonged use Neutropaenia
Comments	Irritating to veins Flush line with 1ml NS before and after administration Once opened not suitable for storage

Drug	Nystatin (Mycostatin)
Indication	Oral candidiasis
Presentation	Syrup
Dose:	1ml (100,000 units) every 4-6 hours Continue for 2-3 days after symptoms resolve
Preparation:	No further dilution required
Administration	Orally on affected area after feeds
Adverse effects	
Comments	Not suitable for systemic fungal infections Consider topical application to mother's nipple when infant has oral thursh

Drug	Paracetamol INTRAVENOUS
Indication	Analgesia when patient nil per os (NPO) or not tolerating oral feeds <b>NOT</b> to be given routinely for fever
Presentation	Bottle: 500mg/100ml
Dose:	<1.5kg: 7.5mg/kg three times a day >1.5kg: 7.5mg/kg four times a day
Preparation:	No further dilution required Overall amount = 500mg/100ml Concentration = 5mg/ml Example doses when diluted as described above: Dose 7.5mg 11mg 15mg 18mg 22.5mg Volume 1.5ml 2.2ml 3.0ml 3.6ml 4.5ml
Administration	Loading dose: Intravenous (IV) slowly over 10 to 15 minutes Maintenance dose: IV or IM beginning 12 to 24 hours after the loading dose
Adverse effects	Pain at injection site, hypotonia, nausea and vomiting, fever
Comments	Do not give to extreme preterms Use with caution in other preterms

Drug	Paracetamol ORAL
Indication	Second line for closure of patent ductus arteriosus (PDA) Consider giving when treatment with ibuprofen has failed or ibuprofen is contraindicated i.e. renal failure, bleeding, NEC <b>NOT</b> to be given routinely for fever
Presentation	Syrup in a bottle: 120mg in 5ml
Dose:	15mg/kg QDS for THREE days (total 12 doses)
Preparation:	No further dilution required Concentration = 120mg in 5ml (24mg/ml) Example doses: Dose 15mg 23mg 30mg 38mg 45mg Volume 0.6ml 1.0ml 1.3ml 1.6ml 1.9ml
Administration	Give one doses after every 6 hours for a total of 12 doses
Adverse effects	
Comments	Results of trials show similar efficacy to ibuprofen with less side effects, however data on long term outcomes are needed before paracetamol can be recommended as firstline for PDA
Reference	Ohlsson A, Shah PS. Paracetamol (acetaminophen) for patent ductus arteriosus in preterm or low-birth-weight infants. Cochrane Database of Systematic Reviews 2015, Issue 3.

Drug	Phenytoin (Phenytoin Sodium)
Indication	Neonatal seizures <b>NOT</b> responding to phenobarbitone alone
Presentation	Vial: 250mg in 5ml (Clear solution, 50mg/mL)
Dose:	Loading dose: 20mg/kg once No further loading doses should be given Maintenance: 2.5mg/kg twice a day
Preparation:	Diluent:• NS, 0.9% salineDraw up 2ml phenytoin into 10ml syringe.Add 8 ml of NS to make up to 10mlOverall amount = 100mg in 10mlTotal concentration = 10mg/mlMix well before drawing up dose.Example doses when diluted as described above:Dose5mg10mg15mg20mg40mg60mgVolume0.5ml1.0ml1.5ml2.0ml4.0ml
Administration	DO NOT GIVE INTRAMUSCULAR (IM) Loading dose: Intravenous (IV) slowly over 10 to 15 minutes Maintenance dose: Slow IV beginning 12 to 24 hours after the loading dose
Adverse effects	Irritation at injection site Nausea, Vomiting, constipation Overdose or rapid administration may cause hypotension, coma, respiratory depression
Comments	Phenytoin induces hepatic metabolism and therefore interacts with many drugs Flush the cannula before and after with 0.5ml -1ml of NS Irritating to veins, <b>ensure it is diluted as above</b> Use cautiously in neonates with respiratory failure/apnoea

Drug	Phenobarbitone INTRAVENOUS
Indication	First line drug to control seizures in neonates
Presentation	Vial: 200mg in 1ml (Thick clear solution) Vial: 200mg in 2ml (Thin clear solution)
Dose:	Loading dose: 20mg/kg once If seizures not controlled can give additional 5-10mg/kg doses up to a total of 40mg/kg maximum loading dose
	Maintenance: 3-5mg/kg once daily
Preparation:	Diluent:       • Water for injection         If using 200mg in 1ml:       Draw up 1ml phenobarbitone into 10ml syringe.         Add 9 ml of water for injection to make up to 10ml         If using 200mg in 2ml:         Draw up 2ml phenobarbitone into 10ml syringe.         Add 8 ml of water for injection to make up to 10ml         Overall amount = 200mg in 10ml         Total concentration = 20mg/ml         Mix well before drawing up dose         Example doses when diluted as described above:         Dose       5mg       10mg       15mg       20mg       40mg       60mg         Volume       0.25ml       0.5ml       0.75ml       1.0ml       2.0ml       3.0ml
Administration	Loading dose: Intravenous (IV) slowly over 10 to 15 minutes Maintenance dose: IV or IM beginning 12 to 24 hours after the loading dose
Adverse effects	Sedation, lethargy, drowsy Respiratory depression
Comments	Phenobarbitone induces hepatic metabolism and therefore interacts with many drugs Flush the cannula before and after with 0.5ml -1ml of NS Irritating to veins, ensure it is diluted as above Use cautiously in neonates with respiratory failure

Drug	Phenobarbitone ORAL
Indication	First line drug to control seizures in neonates Oral phenobarbitone can be given for longer term management
Presentation	Tablet: 30mg per tablet (white tablet)
Dose:	5mg/kg once daily
Preparation:	Diluent: • Water • Breast milk Example doses when diluted as described above: Dose 8mg 15mg 23mg 30mg Volume ¼ tab ½ tab ¾ tab 1 tab Crush and mix required tablet well with diluent and give orally
Administration	Given after intravenous loading dose or established intravenous therapy Give either orally or via a nasogastric tube depending on the patient Crush and mix the tablet with a small amount of breastmilk or water before giving If giving long term give with <b>folic acid 500 micrograms once a week</b>
Adverse effects	Sedation, lethargy, drowsy Respiratory depression Folate deficiency
Comments	Phenobarbitone induces hepatic metabolism and therefore interacts with many drugs

Drug	Ranitidine
Indication	Used for treatment of GI haemorrhage
Presentation	Vial: 50mg in 2ml (25mg/ml) Oral: syrup 15mg/ml
Dose	<ul> <li>IV:</li> <li>Term 1.5mg/kg per dose 8 hourly slowly</li> <li>Preterm: 0.5mg/kg per dose 12 hourly slowly</li> <li>PO:</li> <li>2mg/kg per dose 8 hourly</li> </ul>
Preparation for IV	Diluent:•NS, 0.9% salineDraw up 0.2ml (5mg) from vial, add 4.8ml of NS to make a total of 5mlOverall amount = 5mg in 5mlFinal concentration = 1mg/mlExample doses when diluted as described above:Dose0.5mg1.0mg1.5mg2.0mg3.0mgVolume0.5ml1.0ml1.5ml2.0ml3.0ml
Administration	Intravenous (IV) as slow push Orally (PO) – does not matter about timing of feeds
Adverse effects	Rarely bradycardia or arrhythmias Rarely hepatitis Rarely diarrhoea
Comments	Do not use prophylactically in preterm infants as it can increase the risk of NEC and mortality In severe renal impairment use half the normal dose

Drug	Vancomycin
Indication	Used for vancomycin sensitive infections confirmed by blood culture Should be used on the advice of microbiology or senior doctor only
Presentation	<b>Vial:</b> 500mg
Dose	<ul> <li>IV:</li> <li>Neonates less than 1kg - 15mg/kg ONCE DAILY</li> <li>Neonates 1.0-2.0kg - 15mg/kg TWICE DAILY</li> <li>Neonates over 2.0kg - 15mg/kg THREE TIMES DAILY</li> </ul>
Preparation for IV	Diluent:         • NS, 0.9% saline         • D5, 5% Dextrose         • Sterile water for injection         For 500mg vial add 10ml of diluent to the vial         Overall amount = 500mg in 10ml         Final concentration = 50mg/ml         Example doses when diluted as described above:         Dose       15mg         Volume       0.3ml         0.4ml       0.6ml         0.8ml       1.0ml
Administration	Intravenous (IV) over at least 1 hour in burrette of maintenance fluid DO NOT GIVE INTRAMUSCULARLY
Adverse effects	Renal impairment Hearing loss Anaphylaxis "Red Man Syndrome" – flushing of upper body +/- pani in chest Rash Hypotension, palpitations, tachycardia if given too quickly
Comments	Do not use with amikacin or gentamicin If possible monitor plasma concentration: pre-dose concentration should be 10-15mg/l

Drug	Vitamin K (Konakion, Phytomenadione)
Indication	For ALL babies to prevent Haemorrhagic Disease of Newborn
Presentation	Vial: 10mg/1ml
Dose:	Infants >1.5kg: 1mg (1ml) once Infants <1.5kg: 0.5mg (0.5ml) once
Preparation:	<ul> <li>Diluent: <ul> <li>Water for injection</li> </ul> </li> <li>Draw up 1ml (10mg) of Vitamin K from vial, make up to 10ml with 9ml water for injection</li> <li>Overall amount = 10mg in 10ml</li> <li>Final concentration = 1mg/ml</li> </ul>
Administration	Intramuscular (IM)
Adverse effects	
Comments	Use Vitamin K within 24 hours of diluting