



NEONATAL Medication Monograph




METRONIDAZOLE

This document should be read in conjunction with this [DISCLAIMER](#)

Unrestricted: Any prescriber may initiate treatment as per guideline

Presentation	IV Infusion: 500mg/100mL = 5mg/mL Oral suspension: 200mg/5mL = 40mg/mL																	
Classification	Nitroimidazole antimicrobial Metronidazole is active against Gram positive and Gram negative anaerobic bacteria and protozoa																	
Indication	Treatment of anaerobic or protozoal infections																	
Dose	<u>All indications:</u> IV/Oral: <table border="1"> <thead> <tr> <th>Corrected Gestational Age</th> <th>Postnatal Age</th> <th>Loading Dose</th> <th>Maintenance Dose</th> </tr> </thead> <tbody> <tr> <td rowspan="2">< 44 weeks</td> <td>< 7 days</td> <td>15mg/kg/dose</td> <td>7.5mg/kg/dose Every 24 hours</td> </tr> <tr> <td>≥ 7 days</td> <td>15mg/kg/dose</td> <td>7.5mg/kg/dose Every 12 hours</td> </tr> <tr> <td>≥ 44 weeks</td> <td>All</td> <td>15mg/kg/dose</td> <td>7.5mg/kg/dose Every 8 hours</td> </tr> </tbody> </table>			Corrected Gestational Age	Postnatal Age	Loading Dose	Maintenance Dose	< 44 weeks	< 7 days	15mg/kg/dose	7.5mg/kg/dose Every 24 hours	≥ 7 days	15mg/kg/dose	7.5mg/kg/dose Every 12 hours	≥ 44 weeks	All	15mg/kg/dose	7.5mg/kg/dose Every 8 hours
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Monitoring	Full blood count																	
Dose Adjustment	Dose adjustment may be required in renal and hepatic impairment																	
Guidelines & Resources	WNHS Policy: Antimicrobial Stewardship																	

Compatible Fluids	Glucose 5%, Sodium Chloride 0.9%
Preparation	IV Infusion: use undiluted
Administration	IV infusion: Infuse over 20 to 30 minutes Oral: Administer dose 30 minutes to 1 hour before feeds
Adverse Reactions	Gastrointestinal effects, peripheral neuropathy – discontinue immediately, leucopenia, CNS effects, seizures (rare)
Storage	IV/ Oral: Store below 25°C. Protect from light Discard IV bag immediately after use.
Interactions	Metronidazole interacts with other medicines; contact Pharmacy for further information.
References	Truven Health Analytics. Metronidazole. In: NeoFax [Internet]. Greenwood Village (CO): Truven Health Analytics; 2019 [cited 2019 October]. Available from: https://neofax.micromedexsolutions.com/ Paediatric Formulary Committee. BNF for Children: 2019. Pharmaceutical Press; 2019. Society of Hospital Pharmacists of Australia. Metronidazole. In: Australian Injectable Drugs Handbook [Internet]. [St Leonards, New South Wales]: Health Communication Network; 2019 [cited 2019 October]. Available from: http://aidh.hcn.com.au

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