



NEONATAL Medication Monograph

ZIDOVUDINE




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

Restricted: Requires Neonatologist/Microbiologist review within 24 hours of initiation

Zidovudine IV - [SAS Category A](#) (item requires approval by TGA)

Presentation	Vial: 200mg/20mL Oral Liquid: 50mg/5mL																											
Classification	Antiviral Medication																											
Indication	Treatment and Prophylaxis for neonates born to HIV positive women																											
Dose	<p>Begin treatment within 4 hours of birth and continue for 4 weeks</p> <table border="1"> <thead> <tr> <th>Corrected Gestational Age</th> <th>Route</th> <th>Dose</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td rowspan="2">< 30 weeks</td> <td>IV</td> <td>1.5mg/kg/dose</td> <td>Every 12 hours</td> </tr> <tr> <td>Oral</td> <td>2mg/kg/dose</td> <td>Every 12 hours</td> </tr> <tr> <td rowspan="2">30 to < 35 weeks</td> <td>IV</td> <td>1.5mg/kg/dose</td> <td>Every 12 hours</td> </tr> <tr> <td>Oral</td> <td>2mg/kg/dose</td> <td>Every 12 hours for 2 weeks, Then every 8 hours for 2 weeks</td> </tr> <tr> <td rowspan="2">≥ 35 weeks</td> <td>IV</td> <td>1.5mg/kg/dose</td> <td>Every 6 hours</td> </tr> <tr> <td>Oral</td> <td>4mg/kg/dose</td> <td>Every 12 hours</td> </tr> </tbody> </table>			Corrected Gestational Age	Route	Dose	Frequency	< 30 weeks	IV	1.5mg/kg/dose	Every 12 hours	Oral	2mg/kg/dose	Every 12 hours	30 to < 35 weeks	IV	1.5mg/kg/dose	Every 12 hours	Oral	2mg/kg/dose	Every 12 hours for 2 weeks, Then every 8 hours for 2 weeks	≥ 35 weeks	IV	1.5mg/kg/dose	Every 6 hours	Oral	4mg/kg/dose	Every 12 hours
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Monitoring	Full Blood Picture and viral load (where indicated)																											

Guidelines & Resources	HIV Prevention in Infants Born to HIV Positive Women
Compatible Fluids	Glucose 5%, Sodium Chloride 0.9%
Preparation	IV: Withdraw 1mL (10mg) of IV zidovudine and dilute to 5mL with compatible fluid =10mg/5mL Concentration = <u>2mg/mL</u>
Administration	Oral: May be given at any time with regards to feeds IV: Infuse over 60 minutes
Adverse Reactions	Anaemia, neutropenia, leucopenia (IV doses/long term use)
Storage	Store at room temperature – below 25°C Protect from light. Discard vial immediately after use.
Interactions	IV: Meropenem
Notes	If an infant vomits within 30 minutes of receiving an oral dose, the dose should be repeated.
References	Truven Health Analytics. Zidovudine. In: NeoFax [Internet]. Greenwood Village (CO): Truven Health Analytics; 2020 [cited 2021 Feb 2]. Available from: https://neofax.micromedexsolutions.com/ Society of Hospital Pharmacists of Australia. Zidovudine. In: Australian Injectable Drugs Handbook [Internet]. [St Leonards, New South Wales]: Health Communication Network; 2021 cited 2021 Feb 2]. Available from: http://aidh.hcn.com.au

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