



NEONATAL Medication Monograph




CLINDAMYCIN

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Restricted: Requires Microbiologist review within 24 hours of initiation

Presentation	Ampoule: 300mg/2mL = 150mg/mL (Mylan®)																									
Classification	Lincosamide antibiotic																									
Indication	Infection due to susceptible organisms																									
Dose	<p><u>Infection due to susceptible organisms</u></p> <p>IV:</p> <table border="1"> <thead> <tr> <th><u>Corrected Gestational Age</u></th> <th><u>Postnatal Age</u></th> <th><u>Dose</u></th> <th><u>Frequency</u></th> </tr> </thead> <tbody> <tr> <td rowspan="2">< 30 weeks</td> <td>≤ 28 days</td> <td>5-7.5mg/kg</td> <td>Every 12 hours</td> </tr> <tr> <td>>28 days</td> <td>5-7.5mg/kg</td> <td>Every 8 hours</td> </tr> <tr> <td rowspan="2">30 to 36 weeks</td> <td>≤14 days</td> <td>5-7.5mg/kg</td> <td>Every 12 hours</td> </tr> <tr> <td>> 14 days</td> <td>5-7.5mg/kg</td> <td>Every 8 hours</td> </tr> <tr> <td rowspan="2">37-44 weeks</td> <td>≤ 7 days</td> <td>5-7.5mg/kg</td> <td>Every 12 hours</td> </tr> <tr> <td>> 7 days</td> <td>5-7.5mg/kg</td> <td>Every 8 hours</td> </tr> </tbody> </table>	<u>Corrected Gestational Age</u>	<u>Postnatal Age</u>	<u>Dose</u>	<u>Frequency</u>	< 30 weeks	≤ 28 days	5-7.5mg/kg	Every 12 hours	>28 days	5-7.5mg/kg	Every 8 hours	30 to 36 weeks	≤14 days	5-7.5mg/kg	Every 12 hours	> 14 days	5-7.5mg/kg	Every 8 hours	37-44 weeks	≤ 7 days	5-7.5mg/kg	Every 12 hours	> 7 days	5-7.5mg/kg	Every 8 hours
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Dose Adjustment	Increase dosing interval in patients with significant liver dysfunction.																									
Monitoring	Hepatic function, gastrointestinal status, full blood count and renal function during prolonged treatment																									
Guidelines & Resources	Sepsis Calculator																									
Compatible Fluids	Glucose 5% , Sodium chloride 0.9%																									

Preparation	<p>IV: available from CIVAS (KEMH & PCH)</p> <p>Take 1mL (150mg) and add 29mL of compatible fluid. Concentration is 150mg/30mL Final Concentration = <u>5mg/mL</u></p>
Administration	<p>IV: Infuse over 10 to 60 minutes</p>
Adverse Reactions	<p>Common: Nausea, vomiting, abdominal cramps, diarrhoea, rash Serious: Pseudomembranous colitis, arrhythmias if administered too quickly</p>
Storage	<p>Check Brand for Storage Details. Mylan®: Store below 25 °C.</p>
Notes	<p>Discontinue if severe diarrhoea develops</p> <p>Diarrhoea, colitis and pseudomembranous colitis have been reported and may begin up to several weeks after cessation of therapy</p> <p>Some brands of clindamycin injection contain benzyl alcohol which has been associated with serious adverse events including “gasping” syndrome in neonates – <i>Mylan brand preferred</i></p>
References	<p>Truven Health Analytics. Clindamycin. In: NeoFax [Internet]. Greenwood Village (CO): Truven Health Analytics; 2019 [cited 2020 Sept 04]. Available from: https://neofax.micromedexsolutions.com/</p> <p>Society of Hospital Pharmacists of Australia. Clindamycin. In: Australian Injectable Drugs Handbook [Internet]. [St Leonards, New South Wales]: Health Communication Network; 2019 [cited 2020 Sept 04]. Available from: http://aidh.hcn.com.au</p> <p>Takemoto CK, Hodding JH, Kraus DM. Pediatric & neonatal dosage handbook with international trade names index : a universal resource for clinicians treating pediatric and neonatal patients. 24th ed. Hudson (Ohio): Lexicomp; 2019</p>

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