## NEONATAL MEDICATION PROTOCOLS

**PENTOXIFYLLINE (FOR NEBULISATION)**

<table>
<thead>
<tr>
<th>DRUG:</th>
<th>PENTOXIFYLLINE (FOR NEBULISATION)</th>
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| **PRESENTATION:** | Ampoule: 100mg/5mL  
Pre-packed syringes from Pharmacy contain excess solution |
| **ACTION & INDICATION:** | A vasodilator used in the treatment of peripheral and cerebral vascular disorders. May reduce blood viscosity and improve blood flow by altering the rheology of red blood cells. Inhibits neutrophil activation and adhesion and platelet aggregation. Rescue for chronic lung disease |
| **DOSE:** | For nebulisation:  
**Spontaneously breathing:**  
20mg/kg/dose every six hours for 10 days  
**Intubated:**  
10mg/kg/dose every six hours for 10 days  
If needed, the 10 day course may be repeated after a gap of five days. |
| **PREPARATION:** | Nebulisation:  
Diluent: Sodium Chloride 0.9%  
Dilute to 2mL (or an appropriate volume) |
| **ADMINISTRATION:** | Nebulisation  
The expiratory block of ventilators should be changed on a weekly basis when nebulised drugs are used. |
| **ADVERSE EFFECTS:** | Flushes, pruritus, urticaria  
GI effects - nausea, vomiting, diarrhoea  
Cardiac arrhythmias  
Intrahepatic cholestasis, transaminase elevation  
Anaphylactic reaction (rare) |
| **COMMENTS:** | Must not be used in patients with increased risk of bleeding  
SAS approval must be obtained for use of this medication. |
Pediatric Dosage Handbook 17th Ed |
| **DATE:** | October 2013 |