# NEONATAL MEDICATION PROTOCOLS

## ATROPINE SULPHATE

**Created by:** NCCU  
**Date for review:** Aug 2016

<table>
<thead>
<tr>
<th>DRUG:</th>
<th>ATROPINE SULPHATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRESENTATION:</td>
<td>Ampoule: 600 microgram/mL</td>
</tr>
</tbody>
</table>
| ACTION & INDICATION: | Anticholinergic agent used for:  
  - Pre-anaesthetic medication: to inhibit excessive salivary and bronchial secretions and to diminish the risk of vagal inhibition of the heart.  
  - Sinus bradycardia, AV block. |
| DOSE: | Premedication  
  IM: 10 - 20 microgram/kg/dose  
  IV: 10 - 30 microgram/kg/dose  
  Oral: 40 microgram/kg/dose two hours before induction.  
  Bradycardia  
  IV or IM: 10 – 30 microgram/kg/dose |
| PREPARATION: | Dilute 1mL (600microgram) with 5mL Water for Injections  
  =600 microgram in 6mL  
  =100 microgram / mL |
| ADMINISTRATION: | Intramuscular: Site as per NCCU policy  
  Intravenous: Over 1 minute  
  Dose may be repeated every 10 - 15 minutes to achieve desired effect. Maximum total dose 40 microgram/kg  
  Oral |
| ADVERSE EFFECTS: | Arrhythmias, tachycardia  
  Hyperthermia  
  Urinary retention  
  Do not give to febrile infant - risk of provoking hyperthermia. |
| COMMENTS: | Reserve use of atropine for patients unresponsive to improved oxygenation and adrenaline |
| REFERENCES: | BNF for Children 2013  
  Pediatric Dosage Handbook 17th Ed  
  Neofax 2012 |
| DATE: | August 2013 |