# CYCLOPENTOLATE

<table>
<thead>
<tr>
<th><strong>Drug group</strong></th>
<th>Anticholinergic</th>
<th>Mydriatic &amp; Cycloplegic</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Indications for use</strong></td>
<td>Routine eye examinations in NICU</td>
<td>Produces pupillary dilation and paralysis of accommodation (Mechanism of action - anticholinergic)</td>
</tr>
<tr>
<td><strong>Presentation</strong></td>
<td>Disposable single dose dropper containing 0.5% solution</td>
<td>Other strengths available, but not suitable for neonates.</td>
</tr>
<tr>
<td><strong>Reconstitution &amp; Dilution</strong></td>
<td>Not required</td>
<td></td>
</tr>
<tr>
<td><strong>Stability</strong></td>
<td>Store in refrigerator and protect from light</td>
<td></td>
</tr>
<tr>
<td><strong>Dosage</strong></td>
<td>One drop into each eye</td>
<td></td>
</tr>
<tr>
<td><strong>Administration</strong></td>
<td>Drop onto lower conjunctiva of eye and lower lid.</td>
<td></td>
</tr>
<tr>
<td><strong>Compatibility</strong></td>
<td>Amethocaine (Tetracaine) 0.5 %</td>
<td>Phenylephrine 2.5 %</td>
</tr>
<tr>
<td><strong>Adverse Effects</strong></td>
<td>Restlessness, hyperactivity, seizures, tachycardia, hyperpyrexia, vasodilatation, urinary retention, increased secretions in respiratory tract.</td>
<td>Increased intraocular pressure</td>
</tr>
<tr>
<td></td>
<td>Decreased gastrointestinal motility</td>
<td>Systemic absorption can be minimised by compressing the lacrimal sac during and for 2 minutes after administration.</td>
</tr>
<tr>
<td><strong>Other Comments</strong></td>
<td>Used in conjunction with Amethocaine (Tetracaine) and Phenylephrine for eye examinations. Always give Amethocaine (Tetracaine) first, wait 2 minutes and give other drugs. Wait at least 5 seconds between drugs.</td>
<td></td>
</tr>
<tr>
<td><strong>Storage &amp; Stability</strong></td>
<td>Store in refrigerator at 2 - 8 °C. Do not freeze</td>
<td>Protect from light</td>
</tr>
</tbody>
</table>

**Compiled** April 2012  | **Review** April 2016  | **Document Number** JHCH_NICU_19.011
<table>
<thead>
<tr>
<th>References</th>
<th>Neofax 2011</th>
</tr>
</thead>
</table>
| Groups consulted in development of this guideline | NICU medical staff  
NICU nursing staff  
JHCH Pharmacy staff |