Dantrolene, Oral

Par Sterile Products, LLC is the sole supplier of dantrolene in Canada.1

<table>
<thead>
<tr>
<th>DIN</th>
<th>Company</th>
<th>Product</th>
<th>Active Ingredient</th>
<th>Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>01997602</td>
<td>PAR STERILE PRODUCTS, LLC</td>
<td>DANTRIUM CAPSULES</td>
<td>Dantrolene sodium</td>
<td>25 MG</td>
</tr>
<tr>
<td>01997653</td>
<td>PAR STERILE PRODUCTS, LLC</td>
<td>DANTRIUM CAPSULES</td>
<td>Dantrolene sodium</td>
<td>100 MG</td>
</tr>
</tbody>
</table>

Indications2:

1. Chronic spasticity of skeletal muscle associated with spinal cord injury, cerebral palsy, multiple sclerosis, and stroke.
2. Pre-operative prophylaxis of malignant hyperthermia-susceptible surgical patients.
3. Post-crisis follow-up management of patients stabilized with the intravenous product.

Options for managing shortage of oral dantrolene:

Other forms of dantrolene:
- Parenteral product is available.3 May be suitable option for indications 2 & 3.
- Extemporaneous compounding: capsules can be compounded using dantrolene powder available from bulk chemical suppliers such as Medisca.4

Therapeutic Alternatives5,6,7:

<table>
<thead>
<tr>
<th>Indication</th>
<th>Alternative</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spasticity – spinal cord injury</td>
<td>First line - baclofen, tizanidine, diazepam&lt;br&gt;Second line - clonidine, gabapentin, cannabinoids, cyproheptadine</td>
<td>Assess rationale for treatment - relative benefit of oral medications for this indication has not been established</td>
</tr>
<tr>
<td>Spasticity - cerebral palsy</td>
<td>Botulinum toxin&lt;br&gt;Benzodiazepines (eg diazepam), baclofen</td>
<td>Weak evidence only for efficacy of oral antispasmodics. Less effective than Botox for this indication</td>
</tr>
<tr>
<td>Spasticity - multiple sclerosis</td>
<td>First line - baclofen, gabapentin&lt;br&gt;Second line – tizanidine, cannabinoids, botulinum toxin</td>
<td>Limited evidence of efficacy</td>
</tr>
<tr>
<td>Spasticity – post-stroke</td>
<td>Botulinum toxin for upper limbs&lt;br&gt;Baclofen, tizanidine</td>
<td>Best evidence is for botulinum toxin treatment of upper limb spasticity.</td>
</tr>
</tbody>
</table>
More study is needed on the use of others agents for post-stroke spasticity. Avoid benzodiazepines – may interfere with recovery.

Prepared by Karen Jensen MSc, BSP. Reviewed by Carmen Bell, BSP
20Jan2015

References: