





NEONATAL

**INDOMETACIN**

This document should be read in conjunction with this [DISCLAIMER](#)

<b>Presentation</b>	<p>Prefilled Syringe: 1000 microg/5mL          Vial: 1000 microg (1mg)          Suspension: 250 microg/mL</p>
<b>Description</b>	Non-Steroidal Anti-Inflammatory (NSAID)
<b>Indications</b>	<ul style="list-style-type: none"> <li>Haemodynamically significant patent ductus arteriosus</li> </ul>
<b>Contraindication</b>	<p>Anuria or Oliguria (&lt;0.5 to 1 mL/kg/hour)          Serum Creatinine &gt;150 micromol/L          Thrombocytopenia or coagulopathy          Active bleeding          Necrotising Enterocolitis (NEC)          Ductal dependant congenital heart disease          Pulmonary Hypertension</p>
<b>Interactions</b>	<p><b>Aminoglycosides &amp; Vancomycin:</b> Dose may need to be modified if indometacin affects renal function.</p> <p><b>Digoxin:</b> Reduces Indometacin volume of distribution, an increased dose may be required.</p> <p><b>Diuretics:</b> Concomitant use of diuretics may increase incidence of renal impairment.</p>
<b>Dosage</b>	<p><b><u>PATENT DUCTUS ARTERIOSUS</u></b></p> <p><b>IV Infusion:</b>  <u>Initial Dose:</u> 200microg/kg once daily.  <u>Subsequent Doses:</u> 100 to 200 microg/kg daily for 2 days.          A further 2 doses may be given if required (Maximum 5 doses).</p> <p><b>Oral:</b>          200 microg/kg once daily for 3 - 5 days.          (Infant must be on at least 100mL/kg/day of oral feeds before starting oral administration)</p>

<b>Adverse Reactions</b>	<p><b>Common:</b> Hyponatraemia, Hyperkalaemia, abdominal distension, oedema.</p> <p><b>Serious:</b> GI Bleeding, Transient ileus, NEC, renal impairment.</p>
<b>Compatible Fluids</b>	Water for Injection
<b>Preparation</b>	<p><b><u>IV Infusion:</u></b></p> <p><b><i>Reconstitution:</i></b> Add 1 mL of compatible fluid to a 1000 microg (1mg) vial</p> <p><b><i>Dilution:</i></b> Take 1mL (1000microg) of the above solution and make up to 5mL with compatible fluid. Total Volume is 5mL. <u>Concentration is 200microg/mL</u></p>
<b>Administration</b>	<b><u>IV Infusion:</u></b> Infuse over 30 mins
<b>Monitoring</b>	Urine Output, Urea, Creatinine, Electrolytes
<b>References</b>	<p>Lexicomp. Indometacin drug information. In: UpToDate [Internet]. Alphen aan den Rijn (Netherlands): Wolters Kluwer; 2017 [cited 2017 Nov 11]. Available from: <a href="https://www.uptodate.com/">https://www.uptodate.com/</a></p> <p>Truven Health Analytics. Indometacin. In: NeoFax [Internet]. Greenwood Village (CO): Truven Health Analytics; 2017 [cited 2017 Nov 11]. Available from: <a href="https://neofax.micromedexsolutions.com/">https://neofax.micromedexsolutions.com/</a></p>
<b>Related clinical guidelines</b>	<a href="#"><u>Patent Ductus Arteriosus (PDA)</u></a>

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