





ADULT

# SODIUM VALPROATE

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

<b>Presentation</b>	Tablet: 100mg, 200mg enteric-coated, 500mg enteric-coated Oral liquid: 40mg/mL (sugar-free) Vial: 400mg (powder and solvent (Water for injections))
<b>Dose</b>	<b><u>Epilepsy and bipolar disorder</u></b> <b>Oral:</b> Initially 600mg daily in 2 divided doses, increase by 200mg every 3 days according to response. Maintenance dose is 1-2g in divided doses.  <b><u>Neuropathic pain in the palliative care setting</u></b> Discuss with palliative care specialist. Refer to relevant <b>KEMH Clinical Guidelines</b> (links below)
<b>Administration</b>	<b><u>Oral</u></b> Take with or soon after food. Swallow enteric-coated tablets whole.  <b><u>IV injection</u></b> <b>Step 1 Reconstitution:</b> Reconstitute with solvent provided (4mL Water for injections). Concentration is 95mg/mL. <b>Step 2 Administration:</b> Inject slowly over 3 to 5 minutes  <b><u>IV infusion</u></b> <b>Step 1 Reconstitution:</b> Reconstitute as above <b>Step 2 Dilution:</b> Dilute the dose in at least 50mL of Glucose 5% or Sodium chloride 0.9%. Maximum concentration is 8mg/mL (e.g. 400mg in 50mL) <b>Step 3 Administration:</b> Infuse over 60 minutes. May also be given as a continuous infusion at 1-2mg/kg/hour.  <b><u>IM injection</u></b> Contraindicated. Tissue necrosis can occur.

<b>Pregnancy</b>	<p><b>1<sup>st</sup> Trimester:</b> Consider alternative</p> <p><b>2<sup>nd</sup> Trimester:</b> Monitoring required</p> <p><b>3<sup>rd</sup> Trimester:</b> Monitoring required</p>
<b>Breastfeeding</b>	Monitoring required
<b>Monitoring</b>	<ul style="list-style-type: none"> <li>• Measure trough concentration (steady state is achieved after 3-5 days). Therapeutic range is 40-100mg/L.</li> <li>• Check complete blood count (including platelets) and LFTs before starting treatment</li> <li>• Sodium valproate appears to reduce BMD and may increase fracture risk; consider BMD monitoring during long-term treatment and ensure vitamin D status and calcium intake are adequate</li> </ul>
<b>Clinical Guidelines and Policies</b>	<p><a href="#">Palliative care</a></p> <p><a href="#">RCOG Epilepsy in Pregnancy</a></p> <p><a href="#">Childbirth and Mental Illness (CAMI) Clinic</a></p>
<b>References</b>	<p>Australian Medicines Handbook. Sodium valproate. In: Australian Medicines Handbook [Internet]. Adelaide (South Australia): Australian Medicines Handbook; 2017 [cited 2017 Nov 10]. Available from: <a href="https://amhonline.amh.net.au/">https://amhonline.amh.net.au/</a></p> <p>The Royal Women's Hospital. Valproate. In: Pregnancy and Breastfeeding Medicines Guide [Internet]. Parkville (Victoria): The Royal Women's Hospital; 2016 [cited 2017 Nov 10]. Available from: <a href="https://thewomenspbmg.org.au/">https://thewomenspbmg.org.au/</a></p> <p>Society of Hospital Pharmacists of Australia. Sodium valproate. In: Australian Injectable Drugs Handbook [Internet]. [St Leonards, New South Wales]: Health Communication Network; 2017 [cited 2017 Nov 10]. Available from: <a href="http://aidh.hcn.com.au">http://aidh.hcn.com.au</a></p> <p>Royal College of Obstetrics &amp; Gynaecologists. Green-top Guideline No. 68: Epilepsy in Pregnancy Royal College of Obstetrics &amp; Gynaecologists (RCOG) Endorsed Guidelines [Internet]. 2014 [updated 2015 Jun; cited 2017 May 15]. Available from: <a href="https://www.rcog.org.uk/globalassets/documents/guidelines/green-top-guidelines/gtg68_epilepsy.pdf">https://www.rcog.org.uk/globalassets/documents/guidelines/green-top-guidelines/gtg68_epilepsy.pdf</a></p>

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