



ADULT Medication Monograph

HYDRALAZINE



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

[Formulary: Unrestricted](#)

Class	Antihypertensive
Presentation	Ampoule: 20mg Tablet: 25mg
Storage	Store at room temperature, below 25°C Do not freeze. Protect from light.
Dose	<u>Acute treatment of severe hypertension (third line)</u> IV/IM injection: Initially 5-10mg (<i>5mg if fetal compromise</i>); 5 - 10mg may be repeated after 20 to 30 minutes if desired BP is not obtained; further doses are dependent on BP response IV infusion: Initially 200 – 300microg/minute, reducing rate when adequate response achieved. Maintenance: 50 - 150microg/minute <u>Ongoing treatment of hypertension (second line)</u> Oral: Initially 25mg twice a day. Titrate slowly according to response. Maintenance 50 - 200mg in daily divided doses.
Administration	Refer to the Australian Injectable Drugs Handbook <u>IM Injection:</u> Step 1 Reconstitution: Reconstitute vial with 1mL Water for Injections. Step 2 Administration: Inject into the muscle. Onset is 10 to 30 minutes. <u>IV Injection:</u> Step 1 Reconstitution: Reconstitute as above.

	<p>Step 2 Dilution: Dilute the dose to 10mL with sodium chloride 0.9%.</p> <p>Step 3 Administration: Inject SLOWLY over 3 to 5 minutes. Onset is 5 to 20minutes. Repeat every 20 to 30 minutes as required.</p> <p><u>IV Infusion:</u></p> <p>Step 1 Reconstitution: Reconstitute with 1mL Water For Injections.</p> <p>Step 2 Dilution:</p> <p style="text-align: center;"><u>Option A (if using infusion pump):</u></p> <p>Dilute 1 ampoule in 500 mL of sodium chloride 0.9% to make a concentration of 40 microgram/mL and infuse using an infusion pump.</p> <p style="text-align: center;"><u>Option B (fluid restricted patients):</u></p> <p>Dilute one ampoule in 100–250 mL of sodium chloride 0.9%.</p> <p style="text-align: center;"><u>Option C (if using syringe pump):</u></p> <p>Dilute 2 ampoules to 40 mL with sodium chloride 0.9% to make a concentration of 1 mg/mL.</p> <p>Step 3 Administration: Infuse at prescribed rate. Start the infusion at a rate of 200–300 microgram/minute and reduce the rate when an adequate response has been achieved. See KEMH Clinical Guidelines.</p> <p><u>Oral:</u></p> <p>Take with or without food.</p>
Pregnancy	<p>1st Trimester: Monitoring required</p> <p>2nd Trimester: Monitoring required</p> <p>3rd Trimester: Monitoring required</p> <p>For more information, please contact KEMH Obstetric Medicines Information Service.</p>
Breastfeeding	Considered safe to use
Monitoring	<p>Severe hypertension defined as SBP \geq170 and/or DBP \geq110mmHg. Continuous monitoring of BP and HR and continuous fetal monitoring is necessary.</p> <p>Injection is given slowly to avoid precipitous decrease in mean arterial pressure (MAP).</p> <p>If more than 100mg daily dose is needed, the patient's acetylator status should be evaluated as it may provoke an SLE-like syndrome.</p>

<p>Clinical Guidelines and Policies</p>	<p>KEMH Clinical Guidelines:</p> <p>Hypertension in Pregnancy - Medical Management</p> <p>Hypertension in Pregnancy - Midwifery Care</p> <p>Hypertension in Pregnancy: Magnesium Anticonvulsant Therapy</p> <p>KEMH Pharmaceutical & Medicines Management Guidelines:</p> <p>KEMH Pharmaceutical & Medicines Management Guideline:</p> <p>Medication Administration</p>
<p>References</p>	<p>The Royal Women's Hospital. Hydralazine. In: Pregnancy and Breastfeeding Medicines Guide [Internet]. Parkville (Victoria): The Royal Women's Hospital; 2017 [cited 2020 Mar 30]. Available from: https://thewomenspbmg.org.au/</p> <p>Society of Hospital Pharmacists of Australia. Hydralazine. In: Australian Injectable Drugs Handbook [Internet]. [St Leonards, New South Wales]: Health Communication Network; 2019 [cited 2020 Mar 28]. Available from: http://aidh.hcn.com.au</p> <p>Australian Medicines Handbook. Hydralazine. In: Australian Medicines Handbook [Internet]. Adelaide (South Australia): Australian Medicines Handbook; 2019 [cited 2020 Mar 28]. Available from: https://amhonline.amh.net.au/</p> <p>MIMS Australia. Apresoline. In: MIMS Online [Internet]. St Leonards (New South Wales): MIMS Australia; 2017 [cited 2020 Mar 31]. Available from: https://www.mimsonline.com.au</p>

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