



ADULT Medication Monograph

MIDAZOLAM

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




[Formulary: Unrestricted](#)

 **HIGH RISK Medication**

Class	Benzodiazepine (short acting)
Presentation	Ampoule: 5mg/5mL, 5mg/mL
Storage	<p>Ampoule: Store at room temperature, below 25°C</p> <p>Infusion solution: Stable for up to 24 hours at 2 to 8 °C</p> <p style="text-align: center;">Schedule 4 Restricted Medication</p>
Dose	<p><u>Conscious Sedation:</u></p> <p>IV:</p> <p>Initial dose 2-2.5mg; if elderly or debilitated, 1-1.5mg initially.</p> <p>After initial dose wait 3 minutes to check clinical effect before titrating each increment. Give further 1 mg doses as needed; total doses >5 mg rarely needed.</p> <p><u>Epidural and Spinal side effects:</u></p> <p>IV:</p> <p>If nausea persists; infuse 1mg/hour for 24 hours.</p> <p>(Must be discussed with the duty Anaesthetist prior to use)</p> <p><u>Eclampsia / Status Epilepticus:</u></p> <p>IV / IM:</p> <p>0.1-0.2mg/kg (5 - 10mg) may be given if the seizure is long.</p> <p>May be followed by IV Infusion (0.75 - 10microg/kg/min).</p> <p>Refer to KEMH Clinical Practice Guidelines (links below)</p>

Administration	<p><u>IV injection:</u></p> <p><i>Dilution:</i> Use the lowest concentration (5 mg/5 mL) ampoule available and dilute in Glucose 5% or Sodium Chloride 0.9% if necessary to facilitate slow injection.</p> <p><i>Administration:</i> Inject SLOWLY over at least 2 minutes. Allow at least 2 minutes between each dose increment then titrate dose to achieve desired sedative level.</p> <p><u>IV infusion:</u></p> <p><i>Dilution:</i> Dilute dose in Glucose 5% or Sodium Chloride 0.9% to a concentration of 0.5 to 1mg/mL</p> <p><i>Administration:</i> Give by continuous infusion</p> <p><u>IM Injection:</u></p> <p>NOT the preferred route. Inject deep into a large muscle.</p>
Pregnancy	<p>1st Trimester: Considered safe to use</p> <p>2nd Trimester: Considered safe to use</p> <p>3rd Trimester: Considered safe to use</p>
Breastfeeding	Considered safe to use
Monitoring	Requires ANZCA standard monitoring (HR, BP, SpO2) during infusion and post administration.
Clinical Guidelines and Policies	<p>HDWA Policies:</p> <p>Management of Schedule 8 and Restricted Schedule 4 Oral Liquid Medicines</p> <p>KEMH Clinical Guidelines:</p> <p>Hypertension in Pregnancy: Medical Management</p> <p>Labour and Post-operative Analgesia</p> <p>Adult Resuscitation Drug Protocols: Midazolam</p> <p>KEMH Pharmaceutical & Medicines Management Guidelines:</p> <p>Restricted Schedule 4 (S4R) and Schedule 8 (S8) Medications</p> <p>Medication Administration</p>
References	Australian Medicines Handbook. Midazolam. In: Australian Medicines Handbook [Internet]. Adelaide (South Australia): Australian Medicines Handbook; 2019 [cited 2020 May 08]. Available from:

	<p>https://amhonline.amh.net.au/</p> <p>The Royal Women's Hospital. Midazolam. In: Pregnancy and Breastfeeding Medicines Guide [Internet]. Parkville (Victoria): The Royal Women's Hospital; 2018 [cited 2020 May 08]. Available from: https://thewomenspbmg.org.au/</p> <p>Society of Hospital Pharmacists of Australia. Midazolam. In: Australian Injectable Drugs Handbook [Internet]. [St Leonards, New South Wales]: Health Communication Network; 2019 [cited 2020 May 08]. Available from: http://aidh.hcn.com.au</p> <p>MIMS Australia. Midazolam. In: MIMS Online [Internet]. St Leonards (New South Wales): MIMS Australia; 2019 [cited 2020 May 08]. Available from: https://www.mimsonline.com.au</p>
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