



ADULT Medication Monograph



THIAMINE (VITAMIN B1)

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

[Formulary: Unrestricted](#)

Class	Coenzyme in carbohydrate metabolism
Presentation	Tablet: 100mg. Ampoule: 100mg/mL
Storage	Store at room temperature, below 25°C. Protect from light.
Dose	<p><u>Prevention of Wernicke's encephalopathy (hyperemesis gravidarum, alcoholism)</u></p> <p>Oral: 50–300 mg daily (usually 100mg once daily in hyperemesis). Absorption may be improved by giving in divided doses</p> <p>IV/IM (high risk patients): 100mg once daily for up to 5 days (if necessary), then 100 mg orally once daily</p> <p><u>Treatment of Wernicke's encephalopathy</u> Minimal evidence for dose and treatment duration. IV treatment for at least 5 days is preferred</p>
Administration	<p><u>Oral</u> Absorption may be impaired in malnourished and alcoholic patients; give first few doses parenterally</p> <p><u>IM Injection, IV Injection and IV Infusion</u> Refer to the Australian Injectable Drugs Handbook</p>

Pregnancy	<p>1st Trimester: Safe to use</p> <p>2nd Trimester: Safe to use</p> <p>3rd Trimester: Safe to use</p>
Breastfeeding	Safe to Use
Monitoring	Patients at risk of alcohol-related thiamine deficiency should receive parenteral thiamine before or with glucose; administration of glucose without thiamine may precipitate Wernicke's encephalopathy
Clinical Guidelines and Policies	<p>KEMH Clinical Guidelines:</p> <p>Pregnancy care: First trimester complications</p> <p>Pregnancy Post-Bariatric Surgery – Dietary Management</p>
References	<p>Australian Medicines Handbook. Thiamine. In: Australian Medicines Handbook [Internet]. Adelaide (South Australia): Australian Medicines Handbook; 2020 [cited 2020 Apr 15]. Available from: https://amhonline-amh-net-au</p> <p>Society of Hospital Pharmacists of Australia. Thiamine. In: Australian Injectable Drugs Handbook [Internet]. [St Leonards, New South Wales]: Health Communication Network; 2020 [cited 2020 Apr 15]. Available from: https://aidh-hcn-com-au</p> <p>The Royal Women's Hospital. Thiamine. In: Pregnancy and Breastfeeding Medicines Guide [Internet]. Parkville (Victoria): The Royal Women's Hospital; 2018 [cited 2020 Apr 15]. Available from: https://thewomenspbmg-org-au</p>

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