ADULT MEDICATION GUIDELINE	
Thiamine (Vitamin B1)	
Scope (Staff):	All WNHS Staff
Scope (Area):	Obstetrics and Gynaecology
This document should be read in conjunction with the Disclaimer.	

Quick Links

Dose	Administration	Monitoring	Pregnancy and Breastfeeding

Restrictions

Formulary: Unrestricted

Medication Class

Coenzyme in carbohydrate metabolism

Presentation

Tablet: 100 mg

Vial: 100 mg/mL

Storage

Store at room temperature, below 25°C.

Vial: Protect from light.

Dose

Hyperemesis Gravidarum: Prevention of Wernicke's encephalopathy

Oral / IV:

100 mg once daily.

100 mg IV twice daily should be given before starting parenteral nutrition.

Alcoholism: Prevention and Treatment of Wernicke's encephalopathy

Refer to Clinical Practice Guideline: Withdrawal: Drug and Alcohol Withdrawal Guideline

Administration

Oral

Absorption may be impaired in malnourished and alcoholic patients; give first few doses parenterally.

IM/IV injection, IV infusion

Refer to the Australian Injectable Drugs Handbook

Parenteral administration: Hypersensitivity and anaphylactic reactions may occur. Resuscitation facilities must be readily available.

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.

Pregnancy

1st Trimester: Considered safe to use.

2nd Trimester: Considered safe to use.

3rd Trimester: Considered safe to use.

Breastfeeding

Considered safe to use.

Related Policies, Procedures & Guidelines

WNHS Clinical Practice Guidelines:

Withdrawal: Drug and Alcohol Withdrawal Guideline

Pregnancy care: First trimester complications

Pregnancy post-bariatric surgery – dietary management

Adult resuscitation drug protocols

References

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NSQHS Standards Applicable:	☒ Std 1: Clinical Governance ☐ Std 2: Partnering with Consumers ☐ Std 3: Preventing and Controlling Healthcare Associated Infection ☒ Std 4: Medication Safety		☐ Std 5: Comprehensive Care ☐ Std 6: Communicating for Safety ☐ Std 7: Blood Management ☐ Std 8: Recognising and Responding to Acute Deterioration		
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