

	<h2>Omeprazole Infusion Use Procedure</h2>	<b>Procedure Number</b> <i>CHC-PM-0007</i>	<b>Version Nos:</b> <b>4</b>
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### 1. Purpose

This Procedure outlines the process to be followed for the correct use of Omeprazole Infusion throughout the West Coast District Health Board (WCDHB).

### 2. Application

This Procedure is to be followed by all clinical staff through out the WCDHB.

### 3. Definitions

For the purposes of this Procedure:

*Prescribing* medications is the responsibility of the Doctor;

*Dispensing* medications is the role of the Pharmacist;

*Administration* of medications is undertaken by nurses.

### 4. Responsibilities

For the purpose of this Procedure the:

*The Head Pharmacist is* required to:

- oversee all aspects of this Procedure
- monitor the performance of WCDHB staff members in relation to this Procedure;

*Clinical Staff Members* are required to:

- ensure they abide by the requirements of this Procedure

### 5. Resources Required

This Procedure requires:

- i. Omeprazole infusion and IV products

### 6. Process

#### 1.00 Clinical Use

1.01 Use of this regime should be considered in the following patients:

- i. **Following Endoscopy** in those patients with a peptic ulcer described by one of the following classifications below:

Type of bleeding	Endoscopic features
Active	Spurting or oozing bleed
Recent	Visible vessel or adherent blood clot



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- ii. **Prior to endoscopy** in those who are admitted with a history and findings that are strongly suggestive of an **active upper GI bleed**, such as:
- a) Observed haematemesis and/or melaena
  - b) And either:
    - i) cardiovascular instability (shown by HR>100, BP> 100mm HG systolic or a postural drop of more than 15mm Hg systolic)
    - ii) significant anaemia on FBC

*NOTE: All patients should have an Endoscopy performed ASAP to confirm diagnosis. Omeprazole infusion should be continued if there are findings as outlined in the table above. Other patients should be reviewed for oral Omeprazole.*

### **2.00 Regimen**

1. Bolus Omeprazole IV injection: 80mg stat loading dose; followed immediately by
2. **Omeprazole infusion:** 8mg/hour for 70 hours; then
3. Oral Omeprazole: 20mg ONCE daily

#### 2.01 If Omeprazole **INFUSION unavailable** then use:

1. Bolus Omeprazole IV injection: 80mg stat loading dose; followed in 6 hours by
2. Omeprazole IV injection: 40mg every 6 hours for 72 hours total; then
3. Oral Omeprazole: 20mg ONCE daily

### **3.00 Dosage and Administration:**

#### 3.01 **Bolus Omeprazole IV injection:**

-refer to Notes on Injectable Drugs

#### 3.02 **Continuous Omeprazole Infusion:**

- i. **Use the continuous infusion** product. The infusion and IV injection product are NOT interchangeable.
- ii. Reconstitute TWO (2) vials of **Omeprazole infusion** with 10ml NaCl 0.9% each
- iii. Remove 85ml from a Baxter 250ml bag of NaCl 0.9%
- iv. Add both reconstituted vials of **Omeprazole infusion** to the bag
- v. Run the diluted infusion at 8mg/hour (20ml/hr). Each bag should be sufficient for 10 hours.
- vi. The infusion should be continued for 70 hours (unless stopped after diagnosis made at Endoscopy)

### **4.00 Use of bolus IV Omeprazole in other clinical situations**

4.01 Intravenous Omeprazole is only indicated if patients are unable to take oral or enteral formulations.

4.02 In these cases patients should receive IV bolus Omeprazole in a dose equivalent to the expected oral dose.

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### 7. Precautions And Considerations

- ➔ All patients should have an Endoscopy performed ASAP to confirm diagnosis. Omeprazole infusion should be continued if there are findings
- ➔ Intravenous Omeprazole is only indicated if patients are unable to take oral or enteral formulations.

### 8. References

- Code of Health and Disability Services Consumers' Rights (1995)
- Health Practitioners Competence Assurance Act (2003)
- New Zealand Nursing Council Code of Conduct for Nurses and Midwives (1995)
- Medicines Act (1981)
- Medicines Regulations (1984)
- Notes on Injectable Drugs

### 9. Related Documents

- WCDHB Administration of Medications by Students Procedure
- WCDHB Emergency Orders and Verbal Orders Procedure
- WCDHB Medication Errors Procedure
- WCDHB Medication For On-Leave Patients Procedure
- WCDHB Medication Policy
- WCDHB Refusal of Medications by Patients Procedures
- WCDHB Storing and Labelling Medications Procedure

<b>Revision History</b>	<b>Version:</b>	4
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	<b>Authorised By:</b>	CQIT
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