


## ST-ELEVATION ACUTE MYOCARDIAL INFARCTION CLINICAL PATHWAY

Issued October 2000 (Revised: June 2008)

**Expected Length of Stay for A.M.I. is 5 days.**

### Information/ Instructions for Use

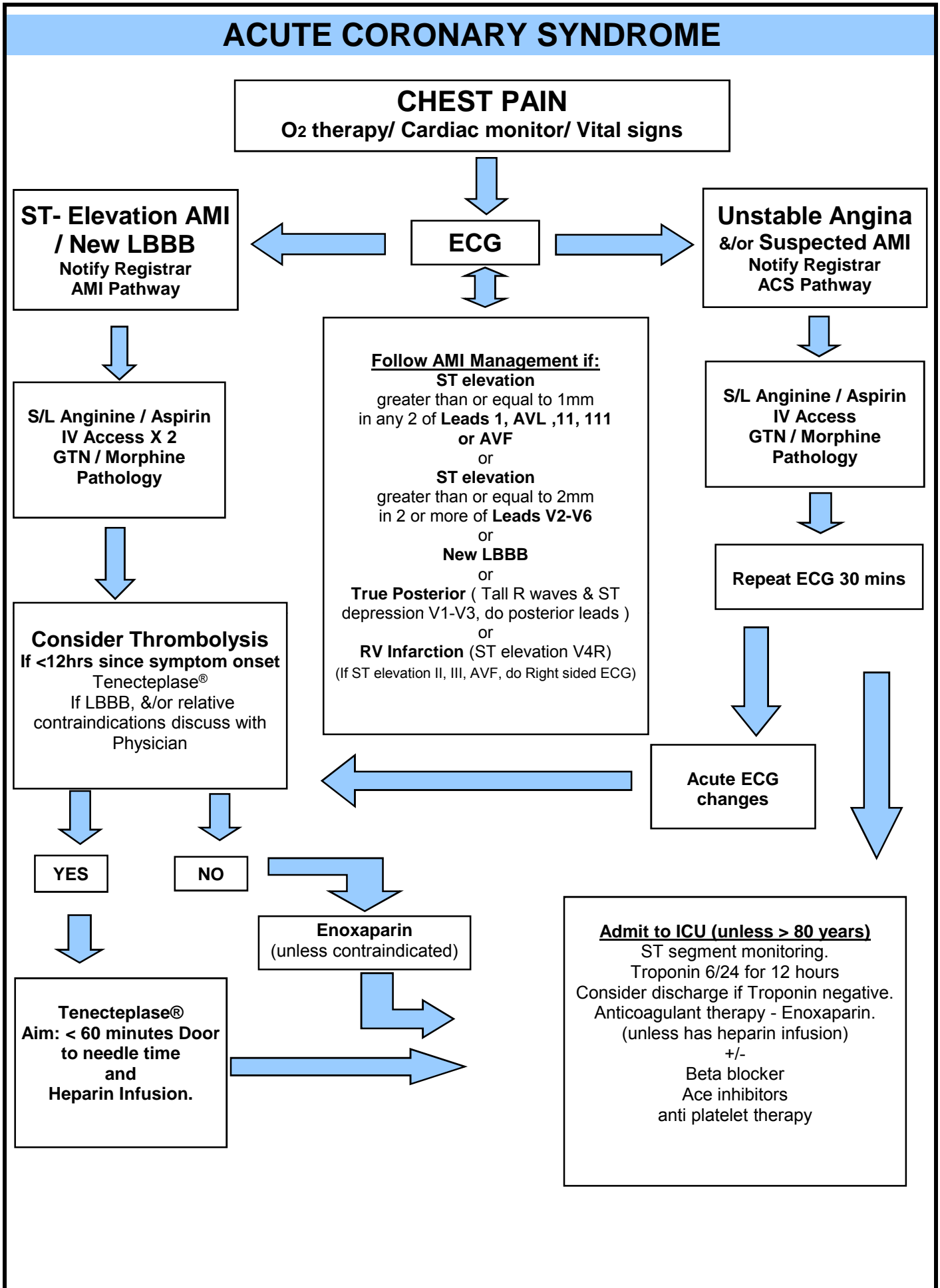
- This Clinical Pathway is intended as a guide only and does not replace clinical judgment.
- This is a multidisciplinary pathway developed using evidence of current best practice.
- The signature register is to be completed once only by all staff who provide care to allow identification of initialisation. Each discipline initials after the intervention is completed.
- The pathway includes an ACS Algorithm and medical plan with criteria for thrombolysis, investigations and management, education and discharge plan and patient assessment forms.
- **If tasks are not applicable to the patient, document with X. If outcomes are not achieved, a variance is marked with a circled black 'V' and recorded in space provided i.e.**  Progress notes are to be included in the variance section.
- A Generic form may be used beyond Day 4 if required.  
**Do not use Discharge day until actual expected discharge day.**

### **KEY:**

<b>Initial</b>	<b>if attended (ensure signature register is completed)</b>
<b>X</b>	<b>if not applicable</b>
<b>Black</b> 	<b>if variance</b>

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**ACUTE MYOCARDIAL INFARCTION  
CLINICAL PATHWAY  
WIMMERA HEALTH CARE GROUP**

Pt. ID Label

**Risk Factors for AMI**

- Known IHD/Angina     Family History     Smoking     Hyperlipidaemia  
 Hypertension     Diabetes     Obesity     Metabolic eg. Apo(a).....  
 Other

**Education Program**

<b>STAGE 1 - Admission to ICU</b>	Date	Initial	Comments
1. Monitor, ECG, O <sub>2</sub> & IV therapy			
2. Blood tests, X-ray, Vital signs			
3. Length of stay in ICU			
4. Thrombolytic card			
<b>STAGE 2 (Day 1)</b>			
1. Education package provided. 'Take Heart' book			
2. Anatomy & Physiology of heart and coronary arteries			
3. Pathophysiology & healing of AMI			
4. Risk factors			
5. Video Education			
6. Nicotine Replacement Therapy offered to smokers			
<b>STAGE 3</b>			
1. Reinforce Stage 1			
2. Specific risk factors eg. Smoking-how to Quit			
3. Cardiac rehabilitation - Graduated activity, hospital and home			
4. Cancellation of surgery / procedures			
5. Diabetic education ( <i>Novapen use</i> )			
<b>STAGE 4</b>			
1. Reinforce previous sessions			
2. Angina - what, when and why? Treatment & prevention			
3. Anginine - administration and care			
4. Given WHCG Anginine / Nitrolingual spray prompt card			
5. 'How to use Anginine' information sheet			
6. Warn patient of use of Viagra <sup>®</sup> /Cialis <sup>®</sup> /Levitra <sup>®</sup> & nitrates			
7. Aspirin / Clopidogrel			
8. Medications (Pharmacist) β blockers, ACE, and Statins			
9. Warfarin (anticoagulation nurse)			
10. Healthy Eating (Dietitian) - low saturated fat, and a No Added Salt (NAS) diet			
<b>STAGE 5</b>			
1. Reinforce previous sessions			
2. Diabetes post discharge management plan			
3. Management of chest pain - medication & rest - when to seek help - ambulance 000 brochure ( <i>note map reference</i> )			

**ALL STAFF: Please ensure signature register is completed**

## **MEDICATION FOR IMMEDIATE AND POST STEMI MANAGEMENT.**

**The usual contraindications, precautions and drug interactions apply to all medications listed below.  
Intravenous drugs have specific administration procedures outlined in the Hospital Drug Protocol Manual.**

### **ANTIPLATELET THERAPY**

- Administer 300mg of **Aspirin** immediately\* follow with low dose aspirin 150mg daily, PLUS Clopidogrel 300mg initially then 75mg daily for <75 years of age, OR Clopidogrel 75mg daily ≥ 75 years of age.
- **Tirofiban (Aggrastat®)** is an IV antiplatelet agent. The safety of Tirofiban when used in combination with thrombolytics in STEMI has not been established. Use in this group of patients is under the direction of a physician (or specialist at receiving hospital).

\* If aspirin is contraindicated give Clopidogrel.

### **THROMBOLYTICS**

- Thrombolysis should commence within 12 hours of **symptom** onset. Aim for less than 60 minutes Door to Needle Time. Treatment between 12 and 24 hours is at the discretion of the clinician in charge.
- **Tenecteplase (Metalyse®)** is the preferred thrombolytic agent at Wimmera Health Care Group. It should be given in combination with unfractionated heparin. There is emerging evidence on use of low molecular weight heparins with thrombolytics, but the combination is not recommended at this stage.
- In all cases seek advice from a Physician/Cardiologist if unclear on Thrombolysis.

### **NITRATES**

- **Transdermal Glycerol Trinitrate patches are preferable as they are easily removed.**
- Administer **Glycerol Trinitrate** S/L or IV according to pain and haemodynamic stability.
- **Use with caution in patients who have recently taken Sildenafil (Viagra®), Tadalafil (Cialis®) or Valdenafil (Levitra®). Coadministration of a nitrate within the first 24 hours post Sildenafil and Valdenafil or up to 5 days post Tadalafil can produce an exaggerated hypotensive response and thus GTN is contraindicated unless the benefits of administration far outweigh the risks. After this period, administration of a nitrate may be considered, but BP must be monitored carefully.** In patients in whom the half life of sildenafil, tadalafil or valdenafil may be prolonged (eg. Patients > 65 years or with hepatic impairment or severe renal insufficiency) a more extended period of time may be required to nitrate administration.
- For ongoing angina after GTN infusion use: **Transdermal patches** 5mg to 15mg, apply for a maximum of 16 hrs in a 24 hr period, or **Isosorbide Mononitrate** (sustained release) 30mg to 120mg orally daily.
- Patients who take nitrates should be advised not to take Sildenafil (Viagra®), Tadalafil (Cialis®) or Valdenafil (Levitra®).

### **ANTICOAGULANT THERAPY**

- Intravenous infusion of **unfractionated Heparin** (heparin sodium) should be given to all patients who receive Tenecteplase (Metalyse®). Adjust to APTT. Continue for 48 hours, or longer if there is ongoing or recurrent angina or transfer to a receiving hospital is organised.
- If the patient is stable and there is no requirement for an urgent angiogram, treatment with Clexane® twice daily may be acceptable for five days.
- Use with caution in the elderly and patients with renal impairment. Patients with severe renal impairment (Creatinine-Clearance < 30mL/min) should be prescribed 1mg/kg once daily. The formula of Cockcroft and Gault 1976 is: For females, the value should be multiplied by 0.85.  $Cl_{cr} \text{ ml/minute (males)} = \frac{(140 - \text{age(yrs)}) \times (\text{weight(kgs)})}{815 \times Se_{cr}}$

where  $Cl_{cr}$  is creatinine clearance,  $Se_{cr}$  is serum creatinine and bodyweight is ideal or actual (the lower value).

### **ABSOLUTE CONTRAINDICATIONS OF HEPARIN AND LOW MOLECULAR WEIGHT HEPARIN (LMWHs)**

- Previous hypersensitivity and/or severe thrombocytopenia with heparin or LMWH
- Actual or potential haemorrhagic states, such as haemophilia, ascorbic acid deficiency or increased capillary fragility
- Threatened abortion
- Severe uncontrolled hypertension
- Sub-acute bacterial endocarditis
- Gastric or duodenal ulcers
- Advanced renal or hepatic disease, including oesophageal varices
- During and immediately after major trauma or recent surgery (particularly at sites where bleeding would pose a serious risk) for example, the brain, eye or spinal cord.

This clinical pathway is intended as a guide only and does not replace clinical judgment

### PRECAUTIONS OF HEPARIN AND LOW MOLECULAR WEIGHT HEPARIN (LMWHs)

- Use with caution in patients who have an increased risk of haemorrhage and elderly patients (particularly women)
- Avoid concurrent use of intramuscular injections to decrease risk of haematoma formation.\
- Dosage to be decreased slowly before ceasing an infusion as abrupt withdrawal may precipitate increased coagulability.
- If Streptokinase has been given (eg. at another facility), no anticoagulant therapy is required for the first 24 hours.
- Those patients with a STEMI who are ineligible for thrombolytic therapy, would benefit from unfractionated heparin for 24–48 hours unless contraindicated. Continue for up to five days if there is ongoing or recurrent angina or transfer to a receiving hospital is organised.

### β-BLOCKERS

- Treatment with a β-blocker should commence within hours of an AMI. Patients with persistent pain, those with tachycardia not related to heart failure, those with hypertension and/or a large AMI will benefit most in the long term.
- Not to be given in acute cardiac failure.
- Commence treatment with **Atenolol** 25mg to 100mg orally daily or **Metoprolol** 25mg to 100mg orally twice a day.
- IV preparations such as esmolol and metoprolol are available. The half life of esmolol is approximately nine minutes.
- **Carvedilol (Dilatrend®)** (starting dose 3.125mg orally b.d.) is indicated for patients with symptomatic heart failure.
- Other alternatives in heart failure are **Bisoprolol (Bicor®)** and **Slow Release Metoprolol (Toprol-XL®)**.

### ACE INHIBITORS

- Commence an ACE-Inhibitor within 24 to 48 hrs post AMI for all patients who are haemodynamically stable. Those with a previous MI, diabetes, hypertension, or evidence of LVF should benefit most from long term treatment.
- Longer acting agents include e.g. **Perindopril** 2mg to 8mg once daily (2mg starting dose), **Ramipril** 1.25mg to 10mg daily (use with Diabetes Mellitus).
- **Monitor renal function and electrolytes pre and post therapy.**

### CHOLESTEROL LOWERING AGENTS

- For primarily elevated LDL cholesterol, or a mixed hyperlipidaemia of high fasting TG with high LDL cholesterol, use a '**statin**' e.g. Simvastatin 10mg to 80mg, Atorvastatin 10-80mg or Pravastatin 40mg nocte. Baseline AST/ALT/CK required prior to treatment.

### ANGIOGRAPHY PRECAUTIONS:

#### Guidelines for prevention of acute renal failure secondary to contrast agent - nephrotoxicity in coronary angiography.

The radiographic contrast agents used in coronary angiography are nephrotoxic and are known to cause acute renal failure.

#### **Risk Factors**

1. Diabetes Mellitus
2. Multiple Myeloma
3. Pre-existing renal insufficiency

The following **guidelines** should be considered for patients in the following categories

1. All diabetic or myeloma patients, or patients who are ≥ 65 years old with a serum creatinine of ≥ 150μ mol/L.
2. People < 65 years of age, with a serum creatinine level of ≥ 200μ mol/L.
3. Adult patients with body weight of 50kg or less with a serum creatinine level of ≥150μ mol/L.

#### **Guidelines**

1. Acetylcysteine (Mucomyst®) orally 600mg twice a day, on the day prior to the coronary angiogram, and on the day of the coronary angiogram.
2. Intravenous sodium chloride 0.9%, at a rate of 1mL per kg of body weight per hour for twelve hours prior, and for twelve hours following the coronary angiogram.
3. Oral fluids to be encouraged if patient is thirsty.
4. **Metformin** – use of iodinated contrast media increases the risk of lactic acidosis; stop metformin 2 days before, during, and for 2 days after administration of contrast media. (Australian Medicines Handbook 2005, p 372) Patients who do not meet the specified criteria of acetylcysteine, but have an abnormal creatinine level should have normal saline pre-hydration, (which might have to be adjusted for patients with depressed left ventricular function). On the day of the procedure, diuretics, ACE inhibitors and non-steroidal anti-inflammatory drugs should be withheld.

### **REFERENCES**

Guidelines for the management of acute coronary syndromes 2006 MJA supplement 17 April 2006 Vol 184 No 8

Ryan, TJ & Reeder, GS "Management of suspected acute coronary syndrome in the emergency department" from [www.uptodate.com](http://www.uptodate.com) accessed 16/6/2008

Simons, Michael "Antiplatelet agents in unstable angina and acute non-ST elevation (non-Q wave) myocardial infarction" from [www.uptodate.com](http://www.uptodate.com) accessed 16/6/2008

**ACUTE MYOCARDIAL INFARCTION  
CLINICAL PATHWAY  
WIMMERA HEALTH CARE GROUP**

Pt. ID Label

*Date: \_\_\_\_\_ Emergency Department*

Date/Time	Progress Notes / Variance please include action, treatment and outcome
Admission	

**ALL STAFF:** Please ensure Signature Register is completed

**ACUTE MYOCARDIAL INFARCTION  
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Pt. ID Label

	Initial	Date: _____ <i>Emergency Department</i>
<b>RMO Assessment</b>		Patient admission history taken Reviewed ECG. Request Posterior or Right sided ECG if indicated Registrar called immediately if ST Elevation Chest pain duration _____ FBE, U&E, Mg, APTT / INR, Troponin to pathology Aspirin and / or <i>Clpidogrel</i> ordered stat and daily. Refer to medication management guide <b>If pain &gt; 30 min</b> , ECG changes, consider eligibility for thrombolytic therapy If eligible, <b>thrombolytic therapy given within 60 minutes</b> ( <i>see below</i> ) Door to needle time: _____ Enoxaparin commenced if no thrombolytic therapy initiated ( <i>if not contraindicated</i> ) Chest X-Ray ordered and attended in Emergency Department if urgent Order <b>6/24</b> troponins, fasting Chol, Trigs, LFTs, HDL & Gluc - Day 1 Morphine, Maxalon and Anginine ordered PRN section MR10 Order statin (if not contraindicated) VMO notified of patient's admission Discussed plan of care and transfer with receiving hospital Cardiologist Registrar Discuss diagnosis and treatment plan with patient / family
<b>Physician/VMO</b>		
<b>Type of ECG change</b>		ST seg elevation $\geq 1$ mm in $\geq 2$ limb leads ST seg elevation $\geq 2$ mm in $\geq 2$ continuous chest leads Significant Q waves Bundle branch block Location of ECG changes: _____
<b>Thrombolytic Therapy Indications</b>		Chest pain > 30 minutes <12hrs since onset of symptoms ST seg elevation $\geq 1$ mm in $\geq 2$ continuous limb leads ST seg elevation $\geq 2$ mm in $\geq 2$ continuous chest leads New LBBB
<b>Thrombolytic Therapy Contra-indications</b>		Previous haemorrhagic stroke at any time, other cerebrovascular events within last 12 months Known Intracranial neoplasm, arteriovenous malformations or aneursyms Active internal bleeding, ( <i>does not include menses</i> ) Surgery / organ biopsy / trauma within 2 weeks Acute pericarditis Suspected aortic dissection
<b>Thrombolytic Relative Contra-indications</b>		Age > 75 years Severe uncontrolled hypertension, ( <i>BP &gt; 180/110 - reduce with IV GTN prior</i> ) Current use of anticoagulants in therapeutic doses (INR $\geq 2$ ) Traumatic or prolonged CPR > 10 minutes Recent trauma ( <i>within 2-4 wks</i> ), including head trauma, or major surgery, organ biopsy (< 3 wks) Known bleeding diathesis Peptic ulcer within last 3 months Non compressible vascular punctures Pregnancy or recent obstetric delivery
<b>Date/Time</b>		ProgNotes/Variance (V black circled) with reason if known, followed by Action/Treatment/Outcome, sign entry
<b>ALL STAFF:</b>	<b>Please ensure Signature Register is completed</b>	

**ACUTE MYOCARDIAL INFARCTION  
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Pt. ID Label

<b>Nurse</b>	<b>Initial</b>	<b>Emergency Care. Date:</b> _____
		Patient seen by RMO / Registrar within 10 mins of arrival Assist / guide RMO with emergency management
<b>CNS/Psych</b>		Nursing history taken Reassure patient / family Education given if required by patient / family
<b>Pain Management</b>		Pain relief given: SL GTN, Morphine, IV GTN ( <i>circle</i> ) <i>Assess recent Viagra® / Cialis®/Levitra® use</i> Visual Analogue Scale (VAS) pain assessment explained Patient comfortable. Pain score 0 - 3 on transfer to ICU
<b>CVS</b>		Continuous cardiac monitoring and documented cardiac rhythm <b>ECG stat.</b> TPR and, BP 1/2 hourly Bilateral BP Right sided ECG if ST elevation in Leads II / III / AVF Posterior ECG taken if ST depression V1 - V3 ECG repeated at 30 minutes, post thrombolytic & / or with pain Patient haemodynamically stable on transfer to ICU No arrhythmias requiring treatment
<b>Medications</b>		Aspirin given stat ( <i>or prior to admission</i> ) Aspirin and/or Clopidogrel ordered daily (refer to medication management guide) Medications given as per MR10
<b>Respiratory</b>		O <sub>2</sub> therapy given at _____ L / min SaO <sub>2</sub> > 95%
<b>G.I.T./ Hydration</b>		IV access obtained ( <i>18g+ if possible</i> ) 2nd IV site obtained if diabetic & / or for thrombolytic therapy Nausea controlled FBC commenced
<b>Renal/Urinary</b>		Urinalysis if voided
<b>Endocrine</b>		BGL taken ICU staff notified if patient is diabetic
<b>Mobility</b>		Nursing Risk Assessment form completed
<b>CNS/Psych</b>		Nursing history taken Reassure patient / family Education given if required by patient / family
<b>Discharge P.</b>		Inform patient / family of admission and transfer to ICU Transfer to ICU with documentation within 2 hours - please document delays
<b>Date/Time</b>		Prog Notes/Variance (V black circled) with reason if known, followed by Action/Treatment/Outcome sign entry
<b>ALL STAFF:</b>	<b>Please ensure Signature Register is completed</b>	



ACUTE MYOCARDIAL INFARCTION CLINICAL PATHWAY WIMMERA HEALTH CARE GROUP		Pt. ID Label			
Date:	<b>Admission Day</b>	AM	PM	ND	Comments
	Admitted to ICU at: _____				
<b>Investigations</b>	6/24 Troponins Na & K <sup>+</sup> as per diabetic protocol				
<b>CNS</b>	Patient comfortable				
<b>CVS</b>	Continuous cardiac monitoring ECG post thrombolytic, 6/24 & with chest pain Vital signs 1-2/24 until stable then 4/24 ST segments ( <i>monitored with vital signs</i> ) stable or resolving Patient free of chest pain				
<b>Medications</b>	Medications given as per MR10 Heparin infusion after fibrinolytic therapy as per protocol				
<b>Respiratory</b>	Continuous O <sub>2</sub> therapy _____ L / min Chest clear / no deterioration SaO <sub>2</sub> >95%				
<b>Skin Integrity/ Hygiene</b>	Skin assessed to be in good condition Pressure Risk assessed : _____ P/Care : _____ Mouth and eye care completed General hygiene ( <i>sponge with assistance</i> )				
<b>GIT/ Hydration</b>	IV Site(s) checked t.d.s.. Site(s) clean and dry Nil orally from 24:00 hrs for fasting chol / gluc levels Fluids and light cardiac diet as tolerated Nausea controlled / absent FBC maintained				Infusions:
<b>Renal/Urinary</b>	Urinary output > 30 mL/hour ( <i>300 mL / shift</i> ) IDC inserted p.r.n. Urinalysis completed				
<b>Endocrine</b>	Maintain BGL 7-10 mmol / L				
<b>Mobility</b>	'No Liff' assessment completed Rest in bed ( <i>bedside commode</i> )				
<b>Psychological Education</b>	Patient / carer orientated to ICU as per education plan Discuss plan of care with patient / family Patient understands pain score & the need to notify staff Stage 1 of education plan completed Identify concerns				
<b>Discharge Planning</b>	Patient informed of need to remain in ICU for 48/24				
<b>Date/Time</b>	Prog Notes/Variance (V black circled) with reason if known followed by Action/Treatment/Outcome, sign				
<b>ALL STAFF:</b>	<b>Please ensure Signature Register is completed</b>				



**ACUTE MYOCARDIAL INFARCTION  
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*Pt. ID Label*

**Date:** \_\_\_\_\_ **Cardiac Rehabilitation Referral - CONFIDENTIAL -**

To be completed by Allied Health / medical or nursing staff, and faxed to Cardiac Rehabilitation Nurse on extension -330. *(All patients should be referred for cardiac rehabilitation)*

Patients Preferred Phone Number: \_\_\_\_\_

General Practitioner: \_\_\_\_\_

Presenting History:

Past History:

Social History:

Discharge Medication:

Current activity Level:

Other Relevant information:

Exercise stress test: Booked Yes / No Date: \_\_\_\_\_

Echocardiogram: Booked Yes / No Date: \_\_\_\_\_

Angiography: Booked Yes / No Date: \_\_\_\_\_

Referred to: \_\_\_\_\_ (Hospital)

Discharge Planning:

ACUTE MYOCARDIAL INFARCTION CLINICAL PATHWAY WIMMERA HEALTH CARE GROUP		Pt. ID Label			
	Date: _____ Day 1	AM	PM	ND	Comments
<b>CNS</b>	Patient alert Patient free of chest pain				
<b>CVS</b>	Continuous cardiac monitoring ECG daily and with chest pain TPR and BP 4/24 Patient haemodynamically stable				
<b>Investigations</b>	Fasting Chol, Trigs, HDLs, Glucose & U&E 6/24 Troponins for 24/24, or until peak demonstrated Na & K <sup>+</sup> as per diabetic protocol APTT as per protocol if having heparin infusion				
<b>Medications</b>	Medications given as per MR10 ACE inhibitor commenced unless contraindicated ( <i>circle</i> ) Beta blocker commenced unless contraindicated ( <i>circle</i> ) Statin commenced unless contraindicated ( <i>circle</i> ) Medications reviewed by pharmacist				
<b>Respiratory</b>	SaO <sub>2</sub> >95% on continuous O <sub>2</sub> therapy Chest clear / no deterioration				
<b>Skin Integrity/ Hygiene</b>	Skin assessed to be in good condition Shower with assistance if stable				
<b>GIT/Hydration Dietitian</b>	IV Site(s) checked t.d.s.. Site(s) clean and dry Dietitian assessment completed ( <i>weekdays</i> ) Cardiac diet and fluids as tolerated ( <i>after pathology taken</i> ) FBC maintained Bowels open				
<b>Renal/Urinary</b>	Urinary output satisfactory				
<b>Endocrine</b>	IV Insulin therapy and BSL as per Diabetes / AMI protocol Insulin subcutaneous - ordered for Day 2 BGL 7-10 mmol / L				
<b>Psychological / Education</b>	Discuss plan of care with patient / family Identify concerns/emotional status of patient & family Patient given AMI package. Stage 2 / education plan provided				
<b>Mobility</b>	SOOB and short walk b.d. <i>Physiotherapist assessment completed</i> Cardiac Rehab Program explained by Physiotherapist Invitation and information pamphlet given				
<b>Discharge Planning</b>	Referral to Cardiac Rehabilitation completed Discuss Discharge plan ( <i>Expected LOS 5 days</i> )				
<b>Date/Time</b>	Prog Notes/Variance (V black circled) with reason if known, followed by Action/Treatment/Outcome sign entry				
<b>ALL STAFF:</b>	Please ensure Signature Register is completed				



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<b>Date _____ Day 2</b>		<b>AM</b>	<b>PM</b>	<b>ND</b>	<b>Comments</b>
<b>CNS</b>	Patient alert and comfortable				
<b>CVS</b>	TPR and BP q.i.d. Patient afebrile and haemodynamically stable <b>ECG daily</b>				
<b>Investigations</b>	U & E taken				
<b>Medications</b>	Medications given as per MR 10 Lipid lowering therapy ordered if Total Chol > 4 mmol / L Review by Pharmacist				
<b>Respiratory</b>	SaO <sub>2</sub> > 95% on room air Chest clear				
<b>Skin Integrity/ Hygiene</b>	Skin assessed to be in good condition Showered self				
<b>GIT / Hydration</b>	IV Site checked t.d.s. Site clean and dry Remove IV cannula x1 if 2 in situ FBC ceased if patient stable Bowels open				
<b>Dietitian</b>	<b>Dietitian assessment completed</b> (weekdays) Cardiac diet and fluids tolerated				
<b>Renal/Urinary</b>	Urinary output satisfactory				
<b>Endocrine</b>	Commenced SC Insulin as per protocol (MR 10) at 07:30 Insulin infusion ceased at 08:00 as per protocol BGL t.d.s. before meals & nocte BGL 7-10 mmol / L				
<b>Mobility</b>	Patient ambulant within ward Given Physiotherapy education re graduated activity				
<b>Psychological / Education</b>	Discuss plan of care with patient / family Identify concerns / emotional status of patient <b>Stage 3 of Education Plan completed</b>				
<b>Discharge Planning</b>	Given Home activity pamphlet by Physiotherapist Transfer from ICU to general ward				
<b>Date/Time</b>	Prog Notes/Variance (V black circled) with reason if known, followed by Action/Treatment/Outcome sign entry				
<b>ALL STAFF:</b>	<b>Please ensure Signature Register is completed</b>				



<b>ACUTE MYOCARDIAL INFARCTION CLINICAL PATHWAY WIMMERA HEALTH CARE GROUP</b>		Pt. ID Label			
	<b>Date _____ Day 3</b>	<b>AM</b>	<b>PM</b>	<b>ND</b>	<b>Comments</b>
<b>CNS</b>	Patient is able to rest / sleep when appropriate Patient comfortable, no pain relief required				
<b>CVS</b>	TPR and BP q.i.d. Patient afebrile and haemodynamically stable ECG daily				
<b>Medications</b>	Medications given as per MR 10 Review by pharmacist Education provided as per plan				
<b>Respiratory</b>	Chest clear SaO <sub>2</sub> > 95% on room air				
<b>Skin Integrity/ Hygiene</b>	Skin assessed to be in good condition Showered self				
<b>GIT/Hydration</b>	IV removed IV Site checked t.d.s. IV resited Dietitian assessment & education completed ( <i>weekdays</i> ) Cardiac diet and fluids tolerated Cease Fluid Balance Chart Give aperient if BNO since admission				
<b>Renal/Urinary</b>	Urinary output satisfactory				
<b>Endocrine</b>	Diabetic patients - BGL t.d.s. before meals & nocte BGL 7-10 mmol / L Insulin as per protocol / MR 10				
<b>Mobility</b>	Commenced walking program with physiotherapist Independent ambulation				
<b>Psychological / Education</b>	Discuss plan of care with patient / family Identify concerns / emotional status of patient Stage 4 of education plan completed				
<b>Discharge Planning</b>	Post Acute Care assessment completed Discharge plan discussed for Day 5				
<b>Date/Time</b>	Progress Notes/Variance (V black circled) with reason if known, followed by Action/Treatment/Outcome, sign entry				
<b>ALL STAFF:</b>	<b>Please ensure Signature Register is completed</b>				









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Pt. ID Label

**Use Generic Day if not being discharged**

<b>Medical Review</b>	<b>initial</b>	<b>Date:</b> _____ <b>Day</b> _____ <b>Discharge Day</b> <b>Discharge Time:</b> _____
<b>RMO</b>		Review discharge plan with patient Chest clear No peripheral oedema Haemodynamically stable Coronary Angiogram Yes / No (See Medication Management pages for precautions with renal impairment and metformin) Discharge Script has been completed Patient is ready for discharge
		<b>AM</b> <b>PM</b> <b>Comments</b>
<b>CNS</b>		Patient comfortable, no pain relief required Patient is able to rest / sleep when appropriate
<b>CVS</b>		TPR and BP q.i.d. Patient afebrile and haemodynamically stable
<b>Medications</b>		Medications given as per MR 10 Discharge medications provided and discussed Patient understands medication regime
<b>Respiratory</b>		No respiratory distress
<b>Skin Integrity/ Hygiene</b>		Skin remains intact Patient manages own general hygiene
<b>GIT/Hydration</b>		Patient is tolerating cardiac diet and fluids Patient has regular bowel habit
<b>Renal/Urinary</b>		Urinary output satisfactory
<b>Endocrine</b>		BGL q.i.d. before meals and nocte BGL 7-10 mmol/L Diabetic patient understands need to control BGL Patient has management plan for insulin therapy at home
<b>Mobility</b>		Patient ambulating independently Patient able to complete ADLs without chest pain Patient has referral to cardiac rehabilitation program
<b>Psychological / Education</b>		Patient expresses understanding of follow up plan Patient's emotional state is stable P't expresses understanding of management plan for chest pain Education plan - all stages completed
<b>Discharge Planning</b>		Patient discharged home at _____ (hours) Physician appointment 6 weeks _____ GP appointment 1 week _____ Angiogram arranged: _____ Echocardiogram arranged: _____
<b>Date/Time</b>		Prog Notes/Variance (V black circled) with reason if known followed by Action/Treatment/Outcome, sign
		<b>Please ensure Signature Register is completed</b>

