



Pre-Printed Orders for Acute Chest Pain- Initial management Emergency department

Form ID:

Rev: March 2019

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DRUG & FOOD ALLERGIES

- **Mandatory** **Optional: Prescriber check (✓) to initiate, cross out and initial any orders not indicated.**

Indication:

- Acute chest pain with potential acute coronary syndrome and no other obvious cause AND
- Greater than 30 years old OR less than 30 years old with a high clinical suspicion of acute coronary syndrome

Investigations:

- ER Nurse Initiated Chest Pain Panel (/ER CP) if not already done at triage
- Ensure ECG completed within 10 minutes of arrival
- Chest X-Ray
- Repeat Troponin at three hours after first Troponin

VITAL SIGNS:

- On arrival then as per Emergency VS Guidelines

Cardiac Monitoring:

- Triage to Zone 1 and place patient on cardiac monitor if ECG changes or active chest pain.
- Triage to Zone 2 if no active chest pain and normal ECG or nonspecific changes (no signs of acute ischemia; infarction; bundle branch block; prolonged QRS, QT or PR interval; left ventricular hypertrophy with strain; arrhythmia; or paced rhythm)

HEART Risk Score _____ (calculation tool on back of page 1)

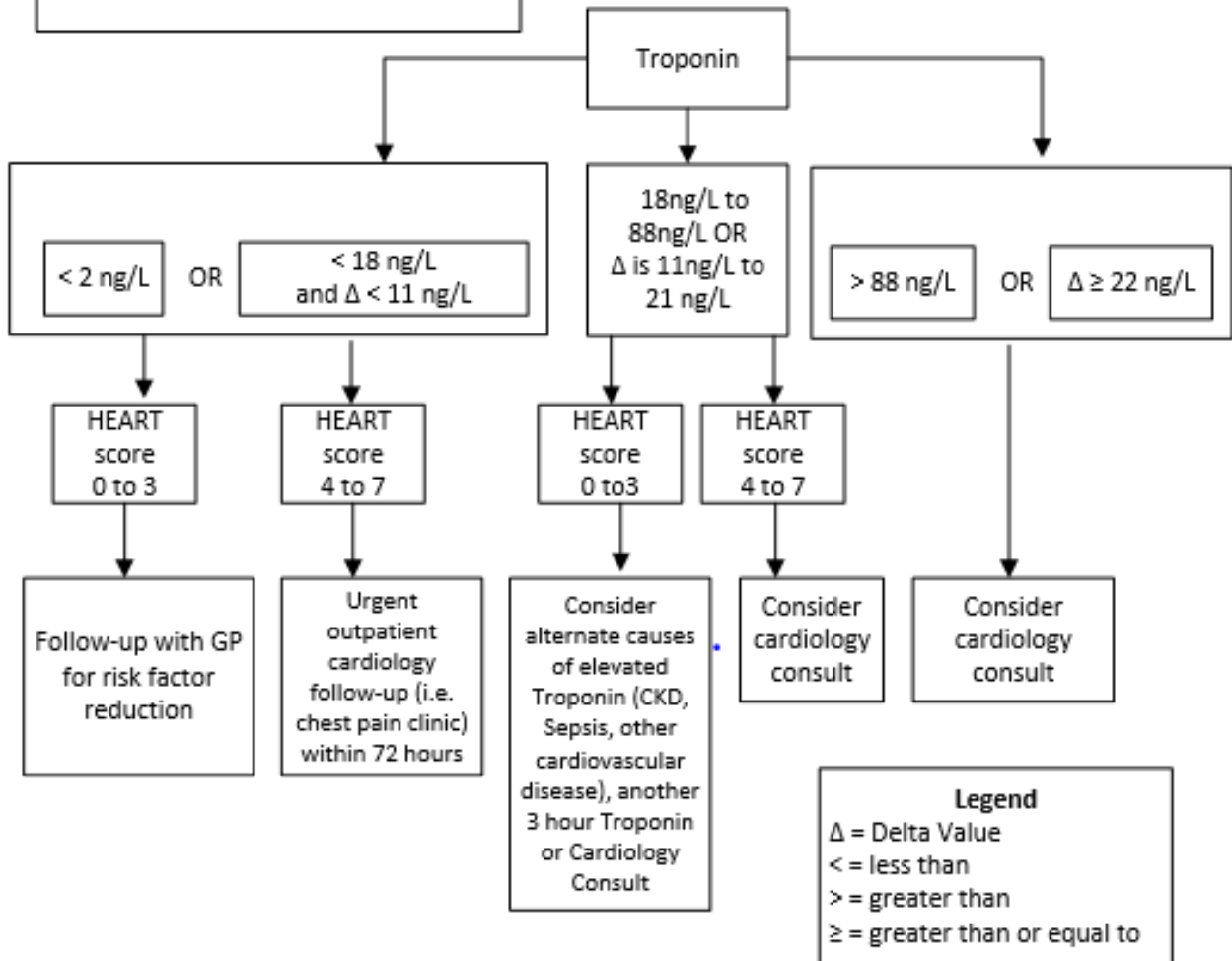
Date (dd/mm/yyyy)	Time	Prescriber Signature	Printed Name <u>and</u> College ID#
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Risk Stratification Algorithm

- Order Chest Pain Panel on arrival. Order 2nd Troponin 3 hours post 1st Troponin
- If Chest pain greater than 3 hours on arrival, cancel 2nd Troponin if 1st Troponin is < 2 ng/L





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Calculate HEART Risk Score

History	Highly suspicious	2	
	Moderately suspicious	1	
	Slightly suspicious	0	
ECG	Significant ST deviation	2	
	Non-specific repolarization disturbance/changes <ul style="list-style-type: none"> • Non-specific T wave changes • Non-specific ST segment depression or elevation • BB Block • Pacemaker rhythm • Left ventricular hypertrophy • Early repolarization • Digoxin effect 	1	
	Normal	0	
Age	65 years and greater	2	
	46 to 64 years	1	
	45 years and less	0	
Risk Factors	3 or more risk factors OR history of CAD, peripheral arterial disease or prior stroke/TIA	2	
	1 to 2 risk factors	1	
	No risk factors	0	
Troponin (initial)	Greater than 54 ng/L	2	
	Between 18 and 54 ng/L	1	
	Less than 18 ng/L	0	

Risk Factors:

- Obesity
- Smoker
- Diabetes Mellitus
- Family history
- Hypercholesterolemia
- Hypertension

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