

IMPORTANT INFORMATION

All TnI results should be interpreted in context with the ECG finding and clinical picture please see trust guidance

Please note patients with eGFR <40 ml/min may have a chronically raised TnI

**Discharge should be considered alongside ECG findings and HEART score less than or equal to 3*

Please see Trust Guidance for Assessment of Chest Pain suspected to be cardiac in origin

HEART score High sensitivity Troponin Cutoffs

High sensitivity Troponin I cut-off (Siemens analyser only)	♂ MALE	♀ FEMALE	HEART Score
>162	>117	>117	2
55-162	40-117	40-117	1
≤54	≤39	≤39	0

Cardiac Chest Pain Suspected

High Sensitivity Troponin I requested

>2hrs post chest pain

TnI 5ng/L-39ng/L (Female)
5ng/L-54ng/L (Male)

Repeat 3hrs post 1st sample

TnI <5ng/L

Acute Myocardial
necrosis unlikely.
Consider Discharge*

Acute Myocardial
necrosis unlikely.
Consider
observation/Discharge*

<50% change
in TnI value

Consistent with acute
Myocardial Necrosis
Consult Cardiology

>50% change
in TnI value

<20% change
in TnI value

Indicates chronic
TnI elevation

TnI >39ng/L (Female)
>54ng/L (Male)
Consult Cardiology

Repeat 3hrs post 1st sample

>20% change
in TnI value

Consistent with
acute
Myocardial Necrosis
Consult Cardiology