Service: SHYPS/Biochemistry/Y&S Filename: CB/UI/YS-16 Version: 1 Date of Issue: March 2024 **Owner: Alison Jones** 

Troponin testing in Primary Care

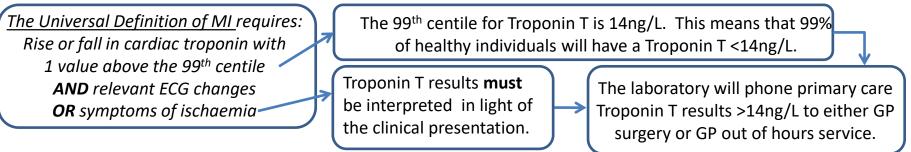


Please refer to NICE Clinical Knowledge Summary (CKS) on Chest pain for more further information: https://cks.nice.org.uk/chest-pain

## **DO NOT request troponin in Primary Care / Community:**

- If the patient has suspected acute coronary syndrome (ACS) dial 999
- If the patient has had symptoms suggestive of ACS within the past 72h urgent

## assessment in ED required



Troponin T <5ng/L

ACS is excluded if >3hr post chest pain ACS is unlikely if >3hr post chest pain

- Troponin T 5-14ng/L Troponin T 14-51ng/L
  - Discuss with cardiology/ambulatory care
- Troponin T >51ng/L
  - Further assessment in ED usually required

Troponin measurement *may* be useful to guide referral decisions, in combination with clinical judgement and ECG, in patients with suspected ACS >72h ago who are now pain free with no complications. Troponin is not helpful:

- If the chest pain is non-cardiac
- To diagnose angina

Some Non-Cardiac causes of elevated TroponinT in the absence of an MI: Pulmonary Embolism, Renal Failure, COPD, Diabetes, Acute neurological event, Drugs/Toxins

Non-acute / chronic elevations in Troponin T >14ng/L - seek Cardiology advice