

Request under Freedom of Information Act 2000

Request Ref: NGFOI 19/20: 007

Thank you for your request for information received at Northampton General Hospital NHS Trust (NGH) on 02/04/2019.

I am pleased to be able to provide you with the following information:

1. *Do the hospitals within your Trust use High Sensitivity Troponin Assay to diagnose patients who present with suspected acute myocardial infarction (AMI)?*

Yes

2. *If yes, in which year was the High Sensitivity Troponin Assay introduced for this purpose?*

2014

3. *What assay is it (please specify manufacturer) and what threshold is used for a positive test?*

Assay: Roche Cobas Troponin high sensitivity (measures Troponin T). Samples measured at 0 hours (Tn0 - all patients) and 3 hours (Tn3 - if required).

Below is a list of the comments that accompany Troponin (Tn) results and detail the cut-off criteria:

Tn0 or Tn3 >100ng/L - evidence of myocardial infarction.

Tn0 53-100ng/L and Tn3 <20% change suggest not ACS as cause (>20% change suggests ACS as cause)

Tn0 15-52ng/L and Tn3 <50% change suggest not ACS as cause (>50% change suggest ACS as cause)

Tn0 <15ng/L and Tn3 15-100ng/L with >50% change suggest ACS as cause

Tn0 and Tn3 both <15ng/L - no evidence of myocardial damage

4. *Is it used for rapid rule-out of AMI to avoid hospital admission?*

Yes

5. *Please send a copy of any guidelines or protocol used by your Trust for the diagnosis of AMI by email.*

In response to your request, please see the attached document.