

Ref: FOI/GS/ID 9211

Please reply to:
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Freedom of Information Act 2000

I am writing in response to your request for information made under the Freedom of Information Act 2000 in relation to Cardiac arrest and Hypoxic brain injury protocols.

You asked: All questions are shown as received by the Trust.

- 1. Can you confirm the blood test that you do to determine if some has had a heart attack or a cardiac arrest .*
- 2. What are the protocols that you have in place at the hospital please.*
- 3. Can you also confirm the types of Ct and MRI scans that you do to establish if someone has had suffered an Hypoxic brain injury.*
- 4. What protocols are in place at your hospital please for these types of injuries .*

Trust response:

1. The Trust use Troponin T as a marker of myocardial cell injury, the trends of these results are then interpreted in conjunction with the history, examination and other investigations to try and determine the patients diagnosis.
2. The trust of course has many policies, guidelines, and protocols, however, the standard laboratory guidance for our laboratory with regards to interpretation of Troponin T results is:
"<20% change: not consistent with an acute event
20 - 100% change: significant rise. Distinguish between acute causes and chronic elevation of trop T (but with one sample >14ng/l)
> 100% change: consistent with MI (but with one sample > 14 ng/l)"
However, many other factors can affect Troponin T results.
3. Non-contrast CT or MRI of the head.
4. Hypoxic brain injury can cover a huge spectrum of injury, and can arise from a large number of aetiologies, we are not aware of a single protocol for them.