

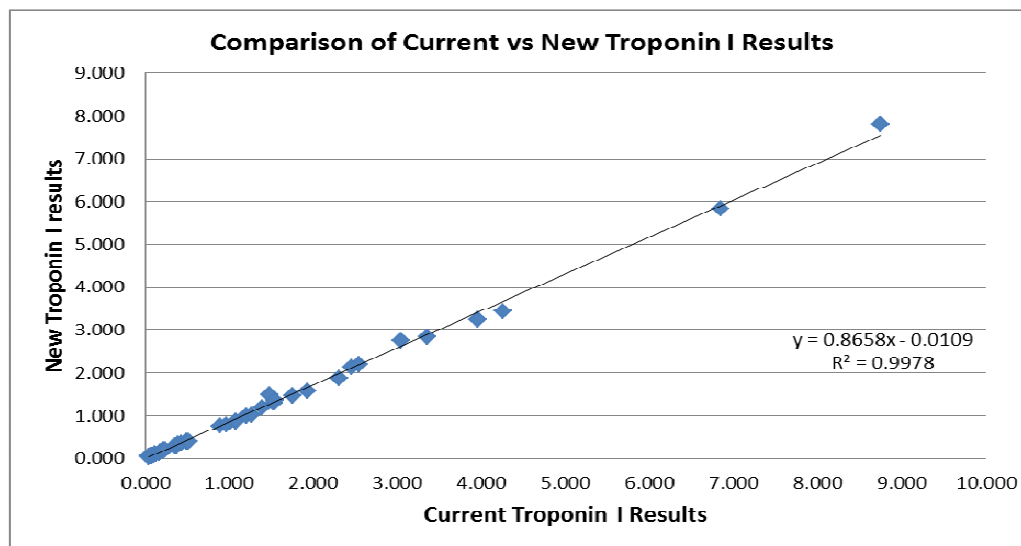


Change to Troponin Assay & Reference Interval

The laboratory will be changing the method (assay) used for measuring Troponin I on the 18th February 2015. Results with the new assay correlate well with the current assay and will be far more precise at the critical low end. However the results will be about 13% lower.

This change in method will enable us to harmonise results across all analysers in use within our laboratories. Results will cumulate with previous results and there will be a change to the comments reported.

The graph below show comparisons of patient samples between the old and new assays



The reference Intervals and comments for troponin I will change as follows:

TNI ≤0.04: "A negative result does not exclude infarction unless collected 9 – 12 hours after onset of symptoms"

TNI > 0.04: "Biochemical evidence of myocardial necrosis. If there are symptoms of acute cardiac ischemia, the rise or fall in troponin with at least 1 value above 0.04 ng/ml fulfils criteria for myocardial infarction. Also consider other causes of an elevated troponin such as severe sepsis, acute pulmonary embolus, severe heart failure, and myocarditis. Suggest careful correlation with the clinical findings"

If you have any queries or concerns to this change in our service please do not hesitate to contact me.

Stephen du Toit
Chemical Pathologist
Pathology Associates Ltd

John Woodford
Charge Scientist
Ph: 07 858 0795 ext. 7828

CLINICAL UPDATE