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To: All Medical Staff

From: John G. Newby, MD
MML Medical Director

Date: 5/13/2013

Re: Troponin Method and Reference Range Changes

The Emergency Department STAT Lab recently acquired an Abbott Architect chemistry analyzer. In order to unify analytical ranges, Meritus Medical Lab will cease Troponin testing on the Siemens Centaur, with a current normal analytical range of 0.0 to 0.8 ng/mL.

Starting on May 14, 2013, Troponin testing will be performed on the Abbott Architect analyzers with a reference ("normal") range of 0.0 to 0.3 ng/mL (based on the 99th percentile for the normal population). Critical result notification will change and any Troponin result greater than 0.60 ng/mL will be flagged as critical, and called.

The reported interpretations for Troponin I will be changed as follows:

Values	Interpretation
Up to 0.30 ng/mL	Negative
0.31 to 0.60 ng/mL	Indeterminate
Above 0.60 ng/mL	Positive

Studies have shown that patients with Troponin values above the 99th percentile of the normal population have a significantly higher risk of myocardial injury over the next several weeks.

If you have questions about these changes, feel free to contact me at 301-665-4901 or Chemistry Technical Specials, Jodi Kelly, at 301-665-4983.