



Technical Memorandum

To: Physicians and Staff

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DLS Medical Director

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QMC Laboratory Director

Date: June 5, 2017

Subject: Troponin T

Beginning 6/12/17, the Queens' Hospital Lab at Punchbowl will be transitioning one of its cardiac injury markers from Troponin I (TnI) to Troponin T (TnT). The Emergency Department, the Department of Cardiology, and the Clinical Laboratory Utilization Committee have given their approval for this transition.

This change will allow for complete standardization of troponin test methods between the various QHS hospitals (i.e. Queen's Punchbowl, Queens' West, Molokai General Hospital and North Hawaii Community Hospital), as well as standardization of reporting ranges and format.

In addition, this new test will now be on our current automated chemistry platform and as such should help reduce cost per test and improve turn-around time for this assay.

Changes will be implemented to adjust the appropriate order sets in Carelink to reflect this change by the end of July, and all routine orders for laboratory troponin testing will be converted to the new TnT test. This also includes all outpatient orders for troponin testing received at Diagnostic Laboratory Services (DLS). This does NOT affect troponin testing being performed on the ISTAT. In the interim, Troponin-T will be available to order in Carelink as of 6/12/17 at all QHS Hospitals.

Because the methodologies are different, the new 99th% cutoff for the TnT assay is < 0.03 ng/mL as compared to the current cutoff of < 0.05 ng/mL for TnI.

As with all laboratory tests, interpretation and management of a normal or elevated laboratory TnT test result(s) should be performed in conjunction with the clinical history and presentation, physical examination, radiographic findings, and electrocardiogram(s).

If there any questions or concerns please call Dr. Wesley Kim at 589-5131 or Dr. Ana Ortega-Lopez at 691-4470.