

# Clinical Pathology Laboratories

## Reminder Test Discontinuation: Unit Code 5949 Cardiac Troponin I (cTnI)

Dear CPL Client:

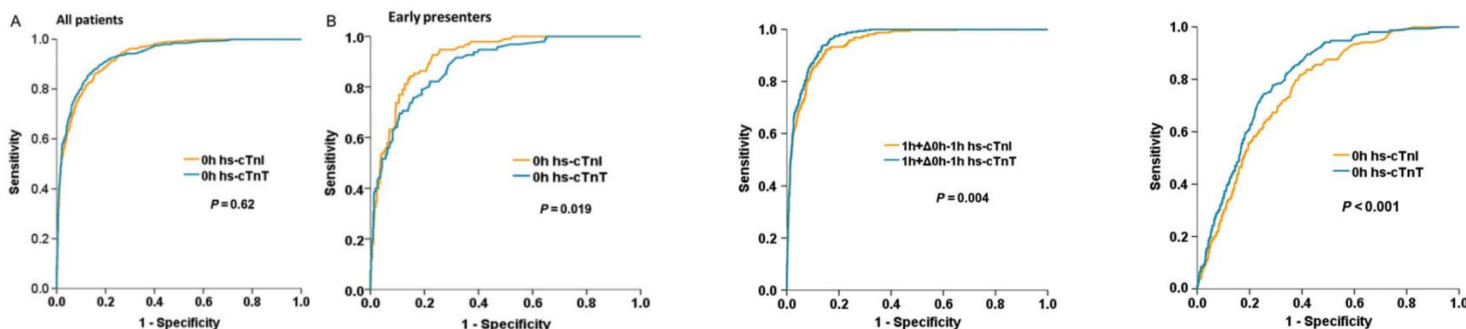
Effective March 10, 2017, testing for Unit code 5949, cardiac Troponin I (cTnI) was discontinued due to analytic unavailability of Troponin I testing.

Unit Code 4017, high sensitivity (hs) cardiac Troponin T (cTnT) has been validated on the Roche cobas® platform as an Electrochemiluminescent Immunoassay (ECLIA) and both current and future orders will be migrated to Troponin T.

Gimenez MR, et. al. measured the diagnostic and prognostic accuracy of cTnT and cTnI using clinically available high sensitivity assays (Roche hs-cTnT vs. Abbott hs-cTnI). Patients at presentation, early presenters (< 3 hours since onset of chest pain), late presenters and prognostic accuracy were evaluated.

The findings demonstrated:

- Diagnosis at presentation performance was similar for both hs-cTnT and hs-cTnI.
- Diagnosis of early presenters showed slightly higher accuracy for hs-cTnI.
- Diagnosis of late presenters showed superior performance for hs-TnT.
- Prognostic accuracy for all-cause mortality was significantly higher for hs-cTnT.



Diagnostic performance of high-sensitivity cardiac troponins I and T. Receiver-operation-characteristic curves show the diagnostic accuracy of high-sensitivity cardiac troponins I and T for non-ST segment myocardial infarction at presentation to the emergency department with acute chest pain in the overall cohort (A) and in the patients with a chest pain onset within 3 h (B).

Diagnostic performance of high-sensitivity cardiac troponin T and I within time. Receiver-operation-characteristic curves displaying the diagnostic accuracy for non-ST segment myocardial infarction of serial sampling of high-sensitivity cardiac troponin I vs. high-sensitivity cardiac troponin T.

Prognostic performance of high-sensitivity cardiac troponin T and I. Receiver-operation-characteristic curves displaying the prognostic accuracy for all-cause mortality during the 24-month follow-up of high-sensitivity cardiac troponin I and high sensitivity cardiac troponin T.

Please contact your Account Executive should you have any questions regarding this change.

Thank you for supporting



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