

MI ASSESSMENT: PATIENT EXAMPLE

HENRY WAITS HOURS FOR TREATMENT



Henry arrives with chest pain. The ED nurse draws blood for a lab-based hs-cTn test. Henry waits 60 minutes for the initial result and then another 2 hours for a second serial troponin result that is elevated.

HENRY IS MOVED TO ANTI-ISCHEMIC TREATMENT NEARLY 3 HOURS AFTER ARRIVAL

HOW CAN WE DO BETTER?



DELAYED ANTI-ISCHEMIC THERAPY TIME

can increase the risk of poor patient outcomes⁴



DELAYS IN MI TRIAGE

can increase length of stay, slowing patient throughput and workflow efficiency across the ED



TO LEARN MORE, **SCAN THE QR CODE** OR CONTACT YOUR **ABBOTT REPRESENTATIVE.**

REFERENCES:

1. Kontos Michael C. Assessing the role of point-of-care cardiac markers in the emergency department. American College of Cardiology, 24 Feb. 2011, www.acc.org/latest-in-cardiology/articles/2014/07/18/16/27/assessing-the-role-of-point-of-care-cardiac-markers-in-the-emergency-department. 2. Singer AJ, Ardise J, Gulla J, Cangro J. Point-of-care testing reduces length of stay in emergency department chest pain patients. *Annals of Emergency Medicine*. 2005;45(6):587-591. doi:<https://doi.org/10.1016/j.annemergmed.2004.11.020>. 3. Abbott Point of Care, Inc. i-STAT hs-TnI Cartridge with the i-STAT 1 System. 510(k) Premarket notification, K240984, U.S. Food and Drug Administration, 3 Jan. 2025. Available at <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpmn/pmn.cfm?ID=240984>. 4. Milosevic A, Vasiljevic-Pokrajcic Z, Milasinovic D, et al. Immediate versus delayed invasive intervention for non-STEMI patients: the RIDDLE-NSTEMI study. *JACC Cardiovasc Interv*. 2016;9(6):541-549

INTENDED USE:

The i-STAT hs-TnI cartridge with the i-STAT 1 System is intended for use in the in vitro quantification of cardiac troponin I (cTnI) in whole blood or plasma samples in point of care or clinical laboratory settings. The i-STAT hs-TnI cartridge with the i-STAT 1 System is intended to be used as an aid in the diagnosis of myocardial infarction (MI).

For in vitro diagnostic use.

This material is for U.S. Healthcare Professionals only.

For intended use and complete product information,

visit www.globalpointofcare.abbott.

All Trademark referenced are trademarks of either

Abbott group of Companies or their respective owners.

Any photos displayed are for illustrative purposes only.

©2025 Abbott. All rights reserved.

i-STAT is a trademark of Abbott.

Abbott Point of Care Inc.

400 College Road East, Princeton, NJ 08540

i-STAT hs-TnI Clinician CVA Brochure
5995.REV1.APOC.EN-US 01/25



Abbott



Abbott

i-STAT hs-TnI CARTRIDGE

WHEN EVERY MINUTE MATTERS



Support rapid and accurate myocardial infarction (MI) diagnosis in ~15 minutes with *i-STAT*[®] High Sensitivity Troponin-I (hs-TnI) at the bedside

i-STAT 1 System should remain on a level, vibration-free surface while testing.

WHEN A PATIENT WITH CHEST PAIN PRESENTS, **FAST AND ACCURATE TROPONIN RESULTS** CAN AID IN THE DIAGNOSIS OF MI

Current approaches to troponin testing require clinicians to choose between speed and sensitivity

	CURRENT APPROACHES		HIGH-SENSITIVITY TROPONIN at the bedside
	contemporary troponin at the bedside	hs-cTn from central lab	
SPEED Faster results at the bedside	✓	✗	✓
SENSITIVITY Earlier detection with hs-cTn	✗	✓	✓

High-sensitivity troponin at the bedside delivers both **speed and sensitivity** to accelerate decision-making



BEDSIDE TROPONIN TESTING REDUCES:

↓ Time to anti-ischemic therapy by **~45 MINUTES¹**

↓ ED length of stay by **1.9 HOURS²**

i-STAT hs-TnI DELIVERS LAB-QUALITY TROPONIN RESULTS AT THE BEDSIDE



LAB-QUALITY RESULTS

Negative Predictive Value^{3*} ~99%
 Limit of Blank 0.78 ng/L
 Limit of Detection 1.61 ng/L
 Limit of Quantitation 2.90 ng/L

*The NPV was calculated using the overall 99th percentile URL of 21 ng/L at >1 to 3 (hours) time interval.



WHOLE BLOOD DRAWN AT THE BEDSIDE DELIVERS RESULTS IN **~15 MINUTES**



VALIDATED IN A RECENT STUDY WITH OVER **3,500** PATIENTS ACROSS **28 SITES³**

A COMPREHENSIVE MENU ON A **SINGLE HANDHELD SYSTEM**

i-STAT System enables accelerated decision-making at the bedside by providing testing for:



- Chemistries
- Blood gases
- Lactate
- Electrolytes
- Hematology



ABBOTT POINT OF CARE SUPPORTS i-STAT hs-TnI IMPLEMENTATION AT THE BEDSIDE WITH:



IMPLEMENTATION SUPPORT to enable *i-STAT hs-TnI* go-live



END-USER TRAINING aligned to the needs of your staff



ON-DEMAND RESOURCES to provide technical assistance