

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?



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

REFERENCES:

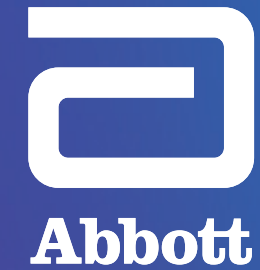
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INTENDED USE:

The i-STAT hs-TnI cartridge with the i-STAT 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).

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i-STAT hs-TnI Clinician CVA Brochure-CA APOC-25002456.1 5/25



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 System instruments should remain on a level, vibration-free surface while testing.



DELAYED ANTI-ISCHEMIC THERAPY TIME

can increase the risk of poor patient outcomes⁴



DELAYS IN MI TRIAGE

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

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*	~99%
	Limit of Blank	0.78 ng/L
	Limit of Detection	1.61 ng/L
	Limit of Quantitation	2.9 ng/L

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

**VALIDATED IN A RECENT STUDY
 WITH OVER 3,300 PATIENTS
 ACROSS 28 SITES³**

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

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 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