



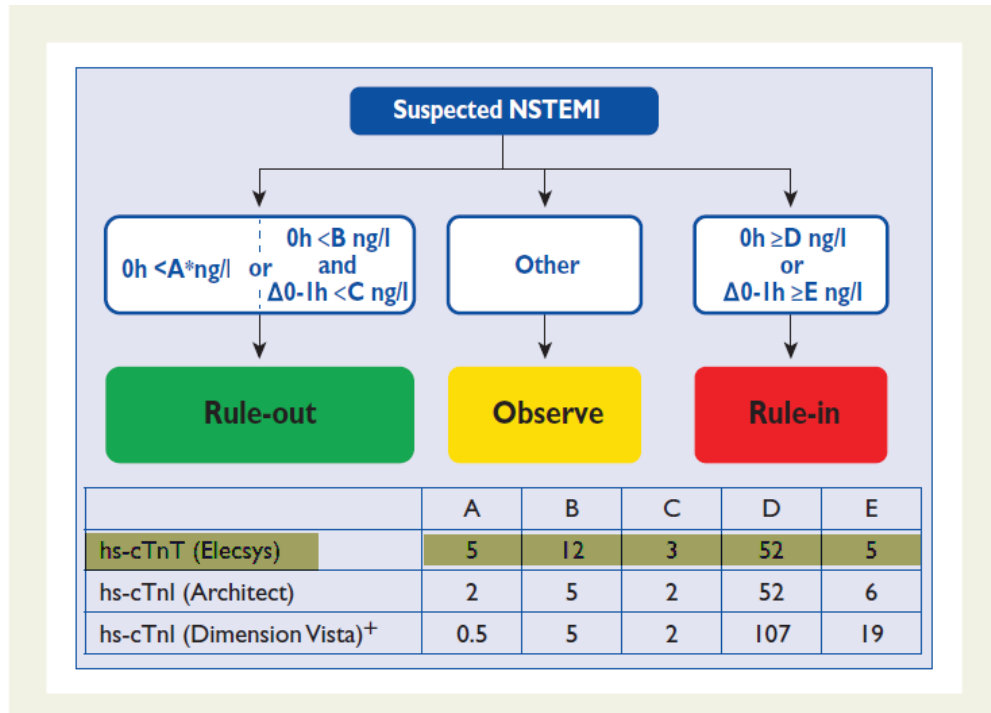
*Test early.  
Treat right.  
Save lives.*

## Behind TROPONIN test is a LIFE to be SAVE – key messages

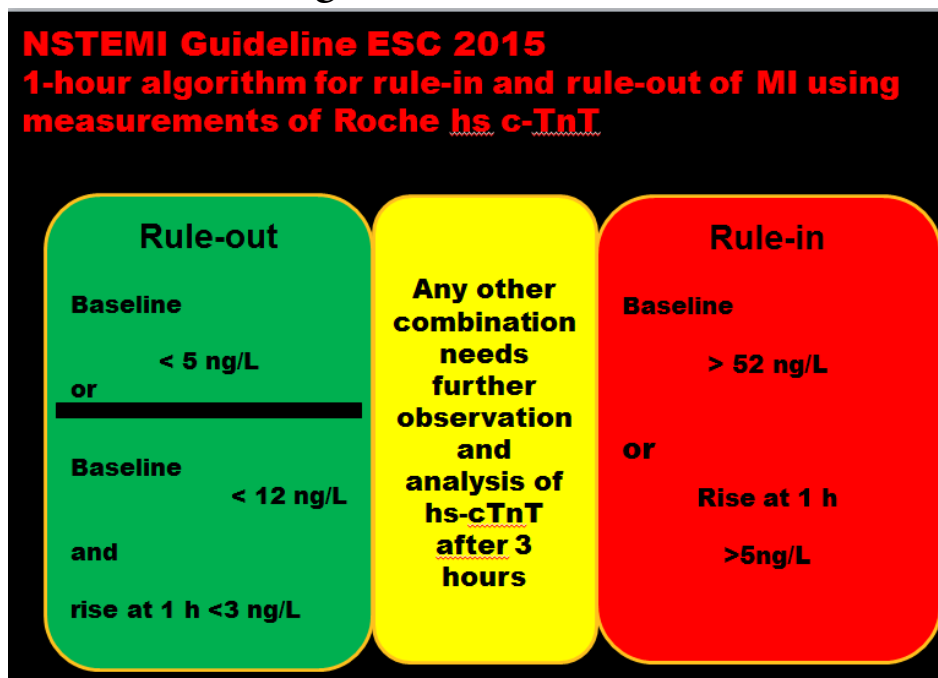
### ➤ TnT-hs value based on ESC 2015 guidelines - summary

1. TnT-hs and TnI-hs have comparable **diagnostic accuracy**.
2. High-sensitivity cardiac troponin T has **greater prognostic accuracy**
3. The 1-hour algorithm to rule-in and rule-out AMI when using high-sensitive Troponin tests (hs-Tn) is possible only for TnT-hs (Elecsys), TnI-hs (Architect) and TnI-hs (Dimension Vista) - *please keep in mind that The Siemens hs-TnI Dimension Vista assay referred to in these guidelines (unlike the Siemens Centaur TnI-ultra) is still only a **prototype assay and not yet available for routine use**.*
4. These new guidelines establish the 1-hour rule-in/rule-out approach as **state-of-the-art (Recommendation Class 1, level B)**, and limit the current number of providers that can deliver this solution to date to only two: *Roche and Abbott*.
5. Given the superior level of published evidence for the Roche TnT-hs assay, these guidelines reinforce Roche leader position in the cardiac biomarkers area and prepare the ground for higher acceptability for the TnT-hs 1-hour algorithm validated with **more than 3000 patients** and earlier presenters when TRAPID-AMI being published. (publication date pending).
6. It is pleasure to say that in quoted publications hs TnT is stated to be more detailed checked and documented troponin test for 1-hour algorithm ( **from 14 quotes - 10 is dedicated to hsTnT**)
7. It is important to remember that troponins Cut-off levels are assay-specific.

## 1 hour algorithm – ESC 2015 guidelines source:



## 1 hour algorithm – Roche cut offs:



## TnT-hs arguments vs. Architect TnI-hs

FEATURE	TnT-hs	TnI-hs
	Cobas e	Architect i
<b>Assay launch</b>	2009	2013
<b>Number of publications</b>	>400	~40
FEATURE	TnT-hs	TnI-hs
<b>Intended use</b>	<ul style="list-style-type: none"> <li>➤ differential diagnosis of acute coronary syndrome to identify necrosis</li> <li>➤ risk stratification of patients presenting with acute coronary syndrome</li> <li>➤ cardiac risk in patients with chronic renal failure</li> <li>➤ selection of more intensive therapy and intervention in patients with elevated levels of cardiac troponin T.</li> </ul>	<ul style="list-style-type: none"> <li>➤ diagnosis of myocardial infarction</li> <li>➤ risk stratification of patients presenting with acute coronary syndrome</li> </ul>
<b>Sample preparation, centrifugation</b>	standard centrifugation conditions (1600-2000g for 10minutes)	centrifuge at a Relative Centrifugal Force (RCF) of <b>3,000 to 3,500 x g for 30 minutes before testing to ensure consistency in results</b>
<b>Sample Volume for one measurement</b>	50 ul	160 ul
<b>Assay time</b>	9 minutes	18 minutes
<b>Calibration</b>	2 point cal ( 4 measurements )	6 point cal (12 measurement)
<b>ESC 2015 recommendations</b>	Better prognostic value	
<b>TAT ( 1h recommended by Third universal Definition of myocardial infarction &amp; ESC guidelines)</b>	YES	NO

In case of any questions don't hesitate to contact us.

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