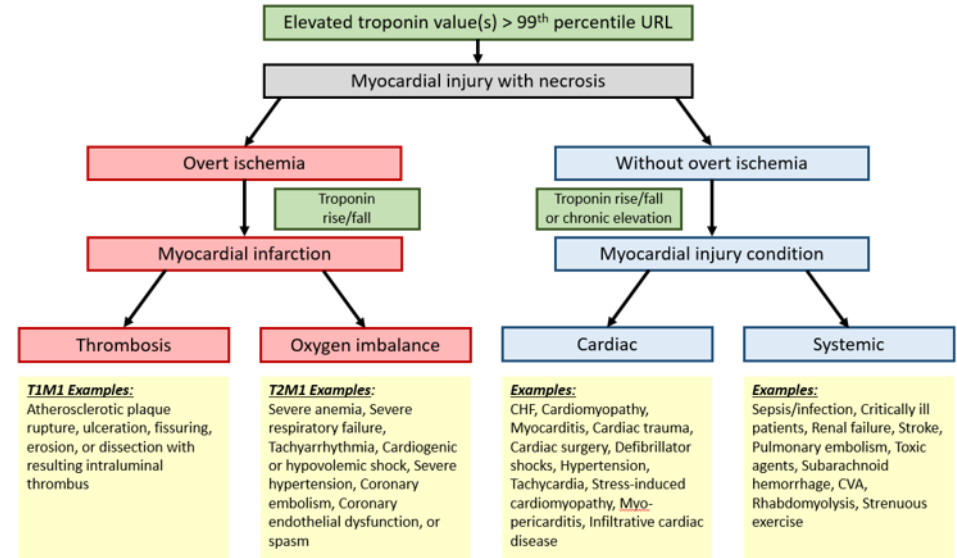


Hs-trop Redesign Key Points

- The new high sensitivity troponin-T (hs-Trop T) test will replace the current Troponin I test. They are VERY different.
 - A "reported" or "detected" value does not mean a "positive" test.
 - The current (old) assay measures Troponin I and reports in ng/mL. The new assay measures Troponin T in pg/ml. Although correlation isn't perfect, an hs-Trop T measurement of 30 pg/ml roughly correlates with the initial detectable level of our old Trop I assay (just above 0.1 ng/ml). An hs-Trop T of 140 pg/ml roughly correlates with an old Trop I value of 1.0 ng/ml.
 - "Rule-in" means ruled-in for myocardial injury and clinical context (ischemia) must be used to define the cause of myocardial injury (ACS, myocardial infarction, etc.). 19pg/ml is 99th URL. (see figure on right)
 - Do not order hs-Trop T as a routine lab without a compelling clinical reason.
 - Reference the High Sensitivity Troponin T Interpretation Diagram: [LINK](#)



MiChart terminology

STEMI NSTEMI	Type 2 myocardial infarction	Myocardial injury due to _____	Myocardial injury due to _____
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References:

- Januzzi JL Jr., et al. (2019). Recommendations for institution transitioning to high-sensitivity troponin assays. *Journal of the American College of Cardiology*, Mar 12;73(9):1059-1077. [LINK..](#)
- Roffi, M., et al. (2016). 2015 ESC guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation. *European Heart Journal*, 37(3), 267-315. [LINK.](#)
- Thygesen K. et al. Fourth Universal definition of myocardial infarction. *Circulation*. 2018 Nov 13;138(20):e618-e65.