

# TMH-RIH ED High Sensitivity 0 and 2 Hour Troponin Chest Pain Algorithm

**Algorithm only applies to patients with an initial concern for ACS except:**

- STEMI/ Transfers with ACS
- Renal Failure
- Non-ACS alternative diagnosis subsequently made during evaluation

**REFERENCE RANGES:**

Female: 3-37 ng/L

Male: 3-57 ng/L

Delta ( $\Delta$ ) = Difference between the 0- and 2-hour troponin

**DISPOSITION PLANNING:**

Green  $\rightarrow$  Discharge

Yellow  $\rightarrow$  CDU (inpatient medicine if meets CDU exclusions and/or at capacity)

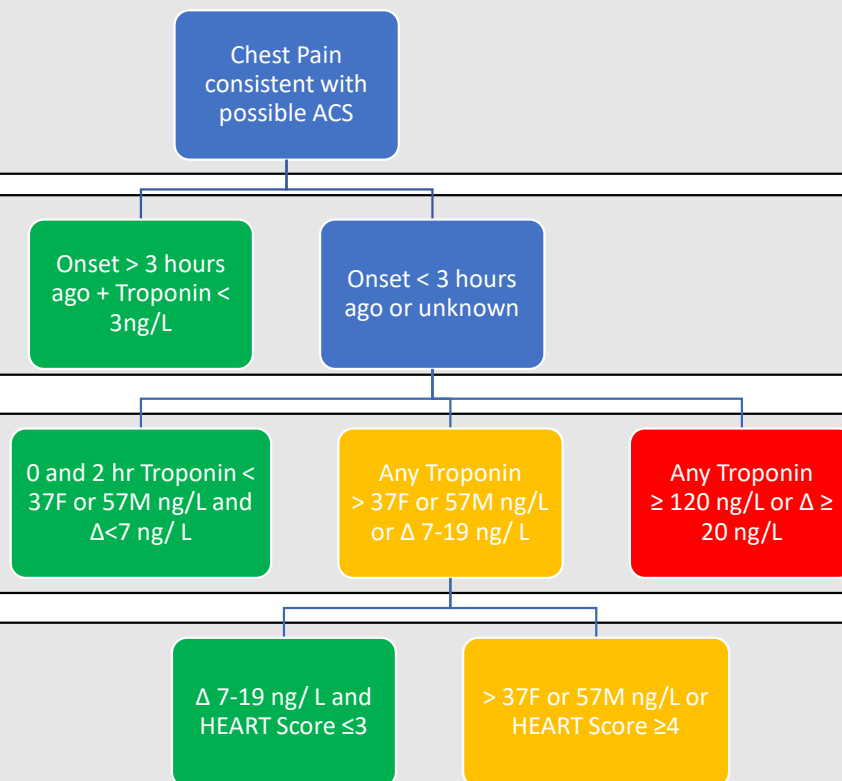
Red  $\rightarrow$  Cardiology consult  $\rightarrow$  Disposition per Cardiology/inpatient medicine

**HEART SCORE:**

0 to 3 points = low risk (0.6% to 1.7% risk of MACE)

4 to 6 points = intermediate risk (16.6% risk);

7 to 10 points = high risk (50.1% risk).



NOTE: Patients who meet exclusion criteria or admitted to the hospital will not follow this algorithm but rather undergo a 0, 3, 6 – hour algorithm