

# Abbott iSTAT Point of Care High-Sensitivity Troponin (hsTn)

## Summary

- Complete Cares Prasada and Paradise Valley, Mesa Emergency Center, and Florence Medical Center will be implementing Abbott iSTAT hsTn point of care testing
- Abnormal & rule-out values will be different
- The lab will report the interpretation based on its assay

### Key changes:

- Complete Care Prasada and Paradise Valley and Mesa Emergency are converting to Abbott iSTAT Point of Care High-Sensitivity Troponins (hsTn). Florence Medical Center will only utilize the iSTAT as backup testing to their core lab analyzer.
- hsTn & ECG are obtained on arrival and/or 2 hours as indicated in the testing algorithm
- Do not discharge patients if hsTn has been ordered and not resulted
- Troponins are no longer considered “positive” or “negative”
  - Look for change between serial values or “deltas”
- There are result ranges specific for males AND females
- Results are reported in whole numbers
- Ranges are much larger and are in a different unit of measure
  - ng/L instead of ng/ml
  - 1 ng/L = 1000 ng/ml
- Providers will interpret hsTn results based on
  - Duration of symptoms
  - hsTn value
  - Delta (change in the hsTn value)

### Draw Changes:

- MUST draw in a lithium heparin tube
- Recommendation is to draw within **+/- 15 minutes** of draw times at 0 hr (initial) & 2 hr

NEW timing for hsTn AND ECGs: 0hr (Initial) --> 2hrs.

On arrival  
Draw hsTn & get ECG



2 hrs. from baseline  
Draw hsTn & get ECG





Vtqr qph'uco r rgu'ecppqvbg'eqo r ctgf 'dgw ggp'fcelkkgu

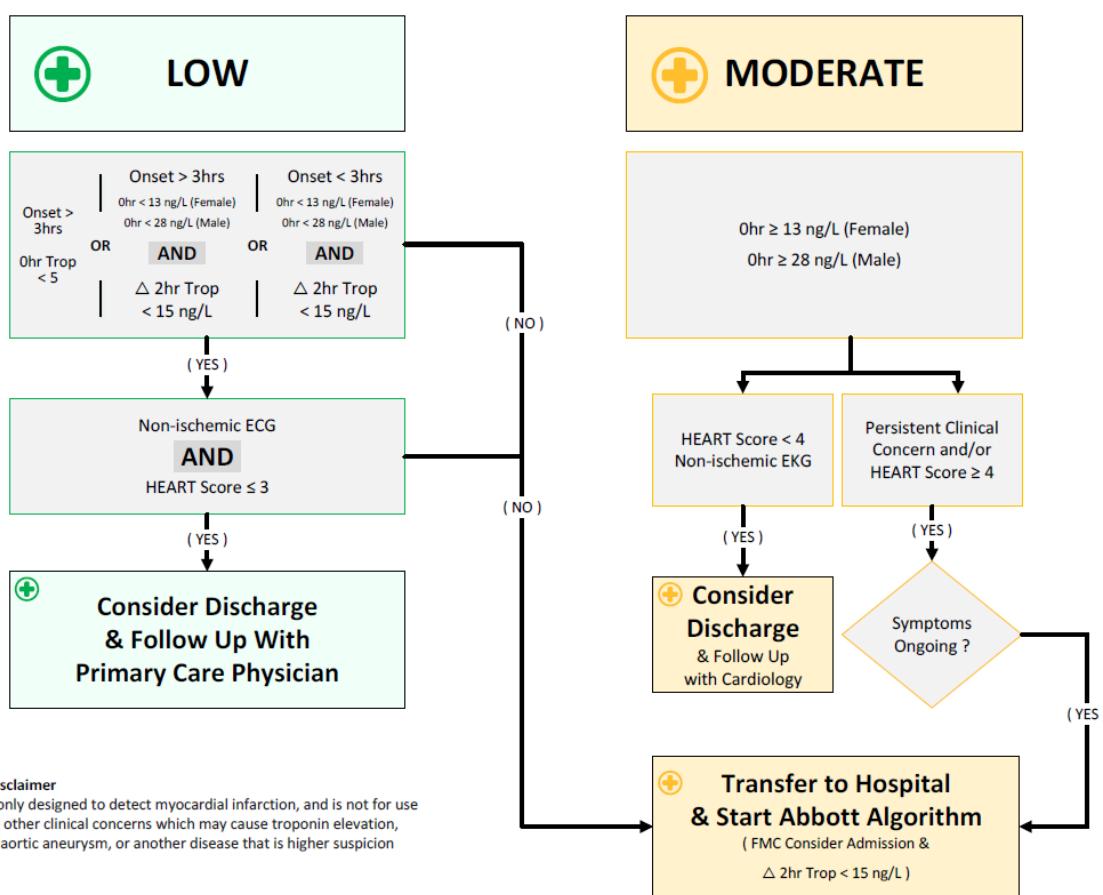
For example:

- Baseline troponin is obtained at Complete Care Paradise Valley
- Patient is then transferred to Shea
- The 2h troponin is due after arrival to Shea
- Complete Care Paradise Valley and Shea values cannot be compared
- Shea will need to restart the troponin series
- If Complete Care Paradise Valley has completed the series, these Troponin interpretations can be used

## Abbott iSTAT Point of Care HS TROPONIN Algorithm

HONORHEALTH & ISTAT HIGH-SENSITIVITY TROPONIN - ALGORITHM

V1



New cut off values for the Abbott iSTAT are:

Low: < 13 ng/L (female) or < 28 ng/L (male)  
Moderate: >13 ng/L (female), >28 ng/L (male)