

Summary of dispositions:

Discharge:

- Symptoms >3hr, initial hsTn <5, HEART score <4
- Initial hsTn <5,
 1hr delta <5,
 HEART score 0-6
- 0, 1, 3hr hsTn normal*, all deltas <5, HEART score <7
- Intermediate risk and shared decision making chooses home with outpatient follow-up

Admit / consult:

- Usual indications (STEMI, etc.)
- Any hsTn delta >25
- Any hsTn >100 (T0hr, T1hr, or T3hr)
- hsTn of 50 100 (indeterminate range) with high suspicion for ACS

Intermediate risk

(CDU or Shared Decision Making):

- hsTn between normal* and 50
- hsTn between normal* and 100 and <u>low</u> suspicion of ACS
- hsTn delta between
 5 25 (5-15 at 1hr)
- HEART score >3 with clinical concern

* Normal = 99%ile, sex based = <15(F) / <20(M) ng/L hsTn levels above are in ng/L

LOW RISK • Consider discharge and OP follow-up



(INTERMEDIATE RISK			
Consider:				
	Shared decision making			
	OP follow-up for HEART score 0-3			
	 Observation and stress testing / CTA 			
	 If hs-TnI 50-100 and high suspicion for NSTEMI, may manage as high-risk 			







Equivalency of values: Tnl vs. hs-Tnl (EUH, EUHM, ESJH, EJCH, Grady) *

Note the following differences between standard troponin I and high-sensitivity troponin I (hs-TnI):

- 1. Units of measurement are different. hs-Tnl is reported <u>as integers in ng/L</u> (whereas Tnl was in ng/mL)
- 2. To convert from hs-TnI to standard TnI (for clinical context), <u>divide by 1000</u>. Example: hs-TnI value of 100 ng/L corresponds to a standard TnI value of 0.1 ng/mL. See table below.
- 3. hs-TnI has different "abnormal" cut point, (or 99th percentile value) in women and men.

	standard TnI (ng/mL)		hs-Tnl (ng/L)	Notes
The	ese Tol Г 0.0023		< 2.3	LOQ** for hs-Tnl
valu	ues are	0.015	15	99 percentile (abnormal) hs-TnI value for women
rep	orted 🗖	0.02	20	99 percentile (abnormal) hs-TnI value for men
as	< 0.03	0.03	30	
ng/	mL	0.04	40	99 percentile (abnormal) standard TnI value
	0.05 0.1 0.5 1 10 25		50 100	
			500	
			1000	
Γ			10000	
			> 25000	Highest reportable value of analytic range for hs-TnI
		>70		Highest reportable value of analytic range for TnI

* Grady, EUH, EUHM, ESJH, and EJCH use a Beckman Coulter UniCel DxI analyzer with the following "abnormal" (>99th percentile) cut points: >14.9 mg/L in women; >19.8 ng/L in men. These cut points do NOT apply for EUOSH, EDH, EHH, or ELTAC (see separate protocols for these operating units).

** LOQ: Lowest hs-Tnl concentration that is reportable as a number with specified certainty hs-Tnl: high-sensitivity troponin I