

Troponin Information - WACHS Chest Pain Pathway

Note: this is supporting information and is not intended to be used as a decision making tool.

Figure 1: Clinical interpretation of high-sensitivity cardiac troponin results¹

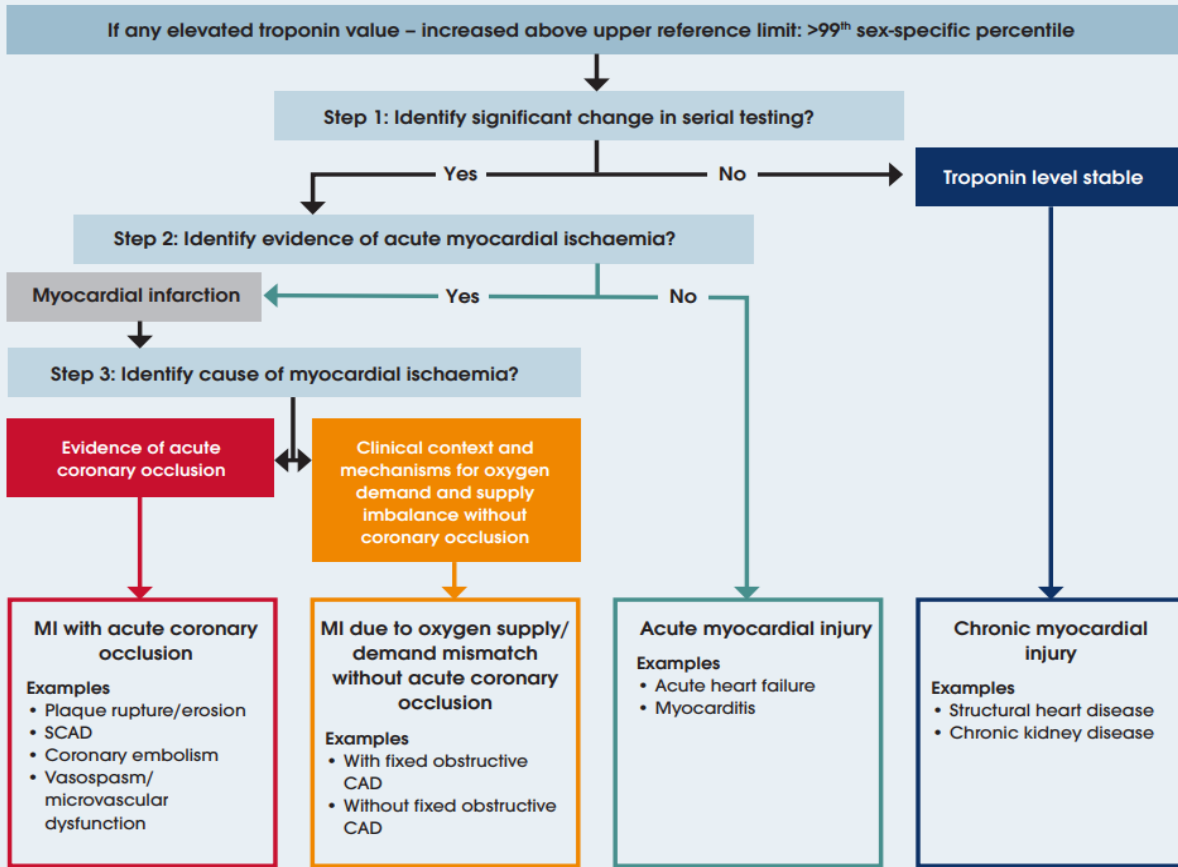


Figure 2: Non-Ischaemic causes of troponin elevation

- Sepsis
- Pulmonary embolus
- Renal failure
- Heart failure
- Arrhythmia
- Cardiomyopathy
- Myocarditis
- Cocaine
- Cardiotoxic drugs

Figure 3: Troponin values and interpretation

a. High sensitivity (hs) troponin:		b. Conventional troponin:	
“Very low”	< 4 ng/L	Normal	≤ 0.04 micrograms/L
Upper reference limit (URL)		Elevated	> 0.04 micrograms/L
• Male	26 ng/L		
• Female	16 ng/L		
Significant delta at 2 hours	≥ 8 ng/L		
“Highly abnormal”	> 40 ng/L		

Source: Sex specific cut-offs as provided by Ee Mun Lim – HOD Clinical Biochemistry Pharmacology and Toxicology, PathWest QEII.

Reference

- National Heart Foundation of Australia & Cardiac Society of Australia and New Zealand [Australian clinical guideline for diagnosing and managing acute coronary syndromes 2025](#)