

VISION Study: Relationship Between High Sensitive Troponin T Measurements and 30-Day Mortality After Noncardiac Surgery

Purpose: To evaluate the value of post-operative high-sensitivity troponin measurements in detecting MI's or indicating the risk for death after *non-cardiac* surgery.

Trial Design: N=21,842; prospective, observational; High-sensitivity troponin T measured in first six to 12 hours after surgery and over next 3 days. 30-day f/u.

Primary Endpoint: 30-day mortality

Trial Results: Overall 30-day death rate 1.2%	Peak troponin T levels			
	< 5 ng/L	20-64 ng/L	≥65 and < 1000 ng/L	≥ 1000 ng/L
Risk of Death @ 30 Days	0.1%	3% absolute risk	9.1%	29.6%

Conclusions: Post-surgery high-sensitivity troponin levels after non-cardiac surgery may identify unrecognized heart damage.