

Elective Surgical Inpatient BNP Protocol and Initiation of Myocardial Injury after Non-Cardiac Surgery (MINS) Protocol

Pre-Op (PAC/IM)

- Age \geq 65 **OR**
 Age 45-64 with one of:
- History of CAD
 - History of CHF
 - History of CVA
 - Creatinine \geq 177
 - Diabetes on insulin
 - Peritoneal surgery

Age under 65 with no RCRI criteria

No further testing

BNP ordered

BNP < 92 mg/L

No troponin monitoring required

BNP \geq 92 mg/L

Initiate Myocardial Injury after Non-Cardiac Surgery (MINS) Protocol

Post-Op

Baseline/ Day 0
 1) ECG and troponin in PACU

ECG reviewed by Anaesthesiologist before leaving PACU

2) Troponins Post Op
 Day 1, Day 2, Day 3

Troponins reviewed by MRP

Non Triggering Troponin (< 30 ng/L)

Pt can be discharged as per surgeon directive on either day 1, day 2 or day 3 Post Op

TRIGGERING TROPONIN

1) Troponin \geq 50 ng/L
 2) Troponin 30 – 50 ng/L
AND
 Increase troponin of \geq 5 ng/L from PACU/Day 0 troponin

MRP to consult/ refer to Internal Medicine

30 day mortality associated with post- operative troponin elevation

Post- op HS troponin T Value	30 Day Mortality
< 20 ng/L	0.5%
20-65 ng/L	3%
65-1000 ng/L	9.1%
> 1000 ng/L	29.6%