CARD-03: Myocardial Injury, High Risk Patients Edit

Measure Time Period:
Anesthesia End to 72 hours after Anesthesia End

If another case starts within 72 hours, then the time window ends at anesthesia start of the subsequent case.

 Troponin I or Troponin T value(s):
- Troponin I (cntr) < 600 ng/L
- Troponin I (cntr) < 0.6 ng/mL
- Troponin T (hs-cTnT) < 91 ng/L
- Troponin T (hs-cTnT) < 91 pg/mL
- Troponin T (hs-cTnT) < 0.091 ng/mL

Start: All patients
1. ASA 5 & 6 including Organ Procurement
   - Exclude
2. Inverse Measure
   - Percentage of high cardiac risk patients with significantly elevated postoperative troponin levels.
   - Exclude
3. Troponin I > 0.01 or Troponin T > 0.02 ng/mL within 42 days prior to anesthesia start?
   - Exclude
4. High-risk surgery (See reference box below)?
   - Exclude
5. Patient had a history of comorbidities?
   - Exclude
6. Troponin I (or Troponin T value(s)) less than or equal to threshold in reference box?
   - Pass
   - Flag

High Risk Surgery Type | Anesthesia CPT Codes
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Intraoperative         | 00730, 00754, 00756, 00790, 00792, 00794, 00796, 00797, 00840, 00844, 00846, 00848, 00851, 00865, 01140
Intrathoracic           | 00520, 00539, 00540, 00541, 00542, 00543, 00548, 00625, 00626, 01636
Subungual Vascular     | 00216, 00390, 00670, 00790, 00880, 00882, 00880, 01650, 01652, 01654, 01656, 01770, 01772, 01925, 01926

Comorbidity | Specific Diagnostic Criteria
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Congestive Heart Failure | Elixhauser Comorbidity — Congestive Heart Failure
Diabetes | Elixhauser Comorbidity — Diabetes ( uncomplicated) Elixhauser Comorbidity — Diabetes (complicated)
Ischemic Heart Disease  | MPOG Phenotype — Coronary Artery Disease
Cerebrovascular Disease | MPOG Phenotype — Cerebrovascular Disease
Chronic Kidney Disease  | Most recent serum creatinine within 60 days > 2.0 mg/dL