The CUH ED HEART Pathway is a risk stratification tool and does not replace sound clinical judgement. On initial evaluation, a ‘HEAR’ score should be calculated as the initial Troponin I will not be available. Patients admitted to CDU will have Troponin I testing at presentation and 3 hours later. Patients with a Troponin I result at any time that is ≥3 times the upper limit of normal OR who have an increase of >50% in the Troponin I from time 0 to 3hrs should be referred to Cardiology. Patients with 2 negative Troponin I results and a non-diagnostic ECG should be discharged and advised to follow-up with their general practitioner.

Heart Score Guide

**History**
- **High-Risk Features**
  - Middle or left-sided
  - Heavy chest pain
  - Diaphoresis
  - Nausea/vomiting
  - Exertional
  - Relief of symptoms by sublingual nitrates

  - Highly suspicious: 2 points
  - Moderately suspicious: 1 point
  - Slightly suspicious: 0 points

- **Low-Risk Features**
  - Well localized
  - Sharp pain
  - Non-exertional
  - No diaphoresis
  - No nausea/no vomiting

**ECG**
- New ischaemic changes: 2 points
  - Ischaemic ST-segment depression
  - New ischaemic T wave inversion

- Non-specific changes: 1 point
  - Repolarization abnormalities
  - Non-specific T wave changes
  - Non-specific ST-segment depression or elevation
  - Bundle branch blocks
  - LVH
  - Early repolarization
  - Digoxin effect
  - Completely normal

**Age**
- ≥65 years: 2 points
- 45-64: 1 point
- <45 years: 0 points

**Risk Factors**
- Obesity
- Current or recent smoker
- Currently treated DM
- Family history of CAD
- Hypertension
- Hypercholesterolaemia

**Troponin**
- ≥3 times upper limit of normal: 2 points
- >1 - <3 x normal limit: 1 point
- ≤ Normal limit: 0 points

<table>
<thead>
<tr>
<th>Troponin</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td>&lt;34ng/L</td>
<td>&lt;16ng/L</td>
</tr>
<tr>
<td>&gt;1 but less than 3 times normal</td>
<td>35-101ng/L</td>
<td>17-47ng/L</td>
</tr>
<tr>
<td>≥3 times normal</td>
<td>≥102ng/L</td>
<td>≥48ng/L</td>
</tr>
</tbody>
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