# Female Cardiac Scenario

**Chief Complaint:** Chest Pain  
**Category:** Cardiac, ECG Interpretation  
**Information provided by dispatch:** “A 60 yo female chest pain and/or mid back pain.”

## SAMPLE

**Signs & Symptoms:** Chest discomfort  
**Allergies:** Penicillin  
**Medications:** Nitroglycerin, altace, HCTZ, Labetalol  
**Prior History:** MI x 6 months, 2 stents  
**Last Oral Intake:** 2 hours at McDonalds  
**Events:** Walking home

## OPQRST

**Onset:** Sudden  
**Provocation:** Walking  
**Quality:** Discomfort  
**Radiation:** Upper back  
**Severity:** 8  
**Time:** 15 minutes ago

## Physical Examination

<table>
<thead>
<tr>
<th></th>
<th>Vitals #1</th>
<th>Vitals #2</th>
<th>Vitals #3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Blood Pressure</strong></td>
<td>118/60</td>
<td>88/54</td>
<td>98/52</td>
</tr>
<tr>
<td><strong>Pulse</strong></td>
<td>70 Regular Weak</td>
<td>64 Regular Weak</td>
<td>70 Regular Strong</td>
</tr>
<tr>
<td><strong>Respirations</strong></td>
<td>18 Normal</td>
<td>20 Normal</td>
<td>18 Normal</td>
</tr>
<tr>
<td><strong>SpO2</strong></td>
<td>95</td>
<td>92</td>
<td>92</td>
</tr>
<tr>
<td><strong>Skin</strong></td>
<td>Clammy, Pale</td>
<td>Clammy, Pale</td>
<td>Clammy, Pale</td>
</tr>
<tr>
<td><strong>Pupils</strong></td>
<td>PERRL: No</td>
<td>PERRL: No</td>
<td>PERRL: No</td>
</tr>
<tr>
<td><strong>Lung Sounds</strong></td>
<td>Clear</td>
<td>Clear</td>
<td>Clear</td>
</tr>
<tr>
<td><strong>Blood Glucose</strong></td>
<td>106</td>
<td>106</td>
<td>106</td>
</tr>
<tr>
<td><strong>GCS</strong></td>
<td>15</td>
<td>12</td>
<td>14</td>
</tr>
</tbody>
</table>
Assessment

**Primary**: Cardiac

**Secondary**: Cardiac

**Special Considerations**: Patient takes a pill for her “fast heart rate.”

**Essential**

- Sinus Arrhythmia (Interpreted); Twelve Lead
- Anterior Ischemia (Interpreted); Twelve Lead
- Successful IV (Performed)
  18 gauge; Fore Arm right; 1 attempts
- Aspirin (Bayer) (Performed)
  325; Oral
- Nitroglycerin (Nitrostat, Nitro-Bid) (Performed)
  0.4 mg; Oral

**Important**

- Successful IV (Performed)
  18 gauge; Fore Arm right; 2 attempts
- Hospital Notify (Performed)
- Sinus Tachycardia (Interpreted);
  Morphine Sulfate (MS Contin, Roxanol) (Observed)
  2 mg; IV Push

**Curveball**

Change in condition (outlined in Vital Signs #2) to be read to the student.

- Patient develops an altered mental status after the administration of nitroglycerin. She complains of a headache and dizziness.
- Student should position the patient in a supine position, listen to lung sounds, and then administer no more than 500 mL normal saline.
- Vitals #3 reflect condition post repositioning of the patient.
- Anterior ischemia develops with Vitals #3. Students should attempt a right-sided 12 lead ECG.
- Morphine or similar pain management should be administered.
- ASA, 12 lead, NTG, Curveball, 12 lead right-sided MI.