Circulatory Disorders
# Four Categories of Heart Disease

<table>
<thead>
<tr>
<th>Heart disease category</th>
<th>Description</th>
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<tbody>
<tr>
<td>Coronary artery disease</td>
<td>Blockage of the arteries that supply blood to the heart muscle</td>
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<tr>
<td>Arrhythmias</td>
<td>Malfunctions of the electrical system that controls the heartbeat</td>
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<tr>
<td>Valve disorders</td>
<td>Dysfunction of one or more of the heart valves</td>
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<tr>
<td>Heart muscle disease</td>
<td>Inflammation and infection of the heart muscle itself</td>
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</tbody>
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Causes of cardiovascular disease

* Main cause is artherosclerosis, is due to the build-up of plaque along the inner wall of arteries.
Causes of cardiovascular disease

- The build-up of plaque is related to the excessive intake of fat, which can cause blockages on which the plaque accumulates.
Causes of cardiovascular disease

* This plaque can narrow the artery, causing an increase in blood pressure or eventually entirely block off the artery, preventing the supply of oxygen to the muscle tissues of the heart

Video of plaque buildup
Myocardial infarction

- Myocardial infarction is another word for “heart attack”

- This occurs when the supply of oxygen and nutrients to heart is blocked off; normally happens when existing plaque breaks open and triggers formation of blood clots on top of it.
Myocardial infarction

* Symptoms of a heart attack are pains in the chest, neck and arms, shortness of breath and nausea

Video what causes a heart attack?
Other Circulatory Disorders
Christmas disease, also called hemophilia B or factor IX hemophilia, is a rare genetic disorder in which your blood doesn't clot properly.
Christmas Disease

- This leads to prolonged or spontaneous bleeding.
- You may be treated by factor IX injections, wound treatment, or preventative transfusions.