

**Principles of Biomedical Science (2A and 2B) Day 5 and 6**

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<b>Standard(s)</b>	<p>Explain the signs, symptoms, diagnosis, and treatment of heart disease. Describe how internal and external factors can affect heart function and can contribute to the development of heart disease. KS5.3.1 KS5.3.2 Describe the use of diagnostic tools in identifying blocked blood vessels. Discuss and evaluate options for treating blocked arteries and preventing other health issues that might occur because of them.</p>
<b>Learning Targets/I Can Statements</b>	<p>I can analyze the procedures-coronary artery bypass surgery, stent insertion and angioplasty</p> <p>I can differentiate between the procedures and I can outline the steps in every procedure.</p> <p>I can evaluate the heart conditions which require these procedures to be done.</p>
<b>Essential Question(s)</b>	<p>4.4 - 1 How can a person decrease their risk of a heart attack or stroke? 4.4 - 2 What role does lifestyle play in the development of heart disease?</p>
<b>Resources</b>	<p>Wifi District issued laptop or personal computer Microsoft ppt Read the Society for Vascular Surgery article <i>Angiogram</i> or the Mayo Clinic article <i>Coronary Angiogram</i> to learn more about this test. Provide a brief description of how and why an angiogram is obtained in your laboratory journal.</p> <ul style="list-style-type: none"> <li>• <a href="#">Angiogram / Society for Vascular Surgery</a></li> <li>• <a href="#">Coronary Angiogram / Mayo Clinic</a></li> </ul>
<b>Learning Activities or Experiences</b>	<p>Students use the given website and other reliable websites (ending with .edu, .gov, .net)to research the following procedures and Angioplasty Stent insertion Coronary Artery Bypass Graft (CABG) surgery Create a ppt to showcase the details of all three procedures and the conditions of the heart that will lead for these procedures to be performed. 12 slides-4 on each procedure. Submit your work on Microsoft Teams.</p>

*\*This lesson does not encompass the full intent of this indicator.*