Requirements for Anatomy & Physiology II Presentation

Analysis of Condition

Choose a health condition that requires treatment or prevention. Previous chapters have provided information on the anatomy and physiology of body systems. From the condition you chose, explain the anatomical features and physiological processes negatively affected. This will provide the basis on how a condition is caused and why do certain symptoms appear. Include the following in your presentation:

*Condition:*

Give statistics that confirms the relevance of your topic [1]

 Briefly state cause of the condition [1]

Briefly state cause of symptoms [1]

*Anatomical features affected:*

Organ & Organ Structure [2]

How the structure is negatively affected with condition [2]

*Physiology features that are affected:*

 State one process that is affected with the condition [2]

Describe the step(s) of the process is affected with the condition (if applicable)

Explain what types of treatments are available [1]

Chapter 24 & 26 describe carbohydrate metabolism & water/electrolyte balance. The condition influenced those topics in a negative way. You will need to explain the effect of the condition on one of those topics. Include the following:

Explain how the condition negatively affects carbohydrate metabolism or water/electrolyte balance. [2]

Analysis of Supplement

Chapter 24 includes nutrition that is important to maintain good health. You are required to present on a supplement that will help prevent the condition you have chosen to focus on.

*Supplement Characterization*:

 State the type of molecule (amino acid, hormone, vitamin, mineral, etc.) [1]

 Explain food sources the supplement can be obtained from [1].

 Explain benefits of consumption other than the condition presented [1]

 Explain benefits of consumption concerning the condition presented [1]

*Physiology features affected*:

 State one process the supplement is required for normal functioning [2]

What aspect of the process is negatively impacted if the nutrient is lacking [2]

Evidence of Effectiveness

You will find a study that investigates the effectiveness of the supplement you have chosen. Biomedical research and clinical trials are an important part of developing treatments to fight disease. A progression is required to transition from laboratory research to a plausible treatment. The following is require once you find a research article:

Overview of article (referenced) [1]

How the study was conducted [1]

Show a graph within the article and explain relevant data it portrays & compare groups [2]

Relevance of the results to the topic [2]