

Topic 5 DQ 1

Aug 15-17, 2024

Choose a medical condition from the cardiovascular system or lymphatic system and explain the pathophysiological changes that may occur. What patient education would need to be included relating to this disorder? Make sure that you select a different medical condition than your peers. Include the name of the medical condition (bolded) above your answer so that the medical condition can easily be identified. Include your references in APA style.

Myocarditis

Pathophysiology: “Myocarditis is an inflammatory disorder of the heart muscle characterized by inflammation, leukocyte infiltration, and necrosis of cardiac muscle cells” (Banasik, 2022). Myocarditis usually is acute, and the outcome is either recovery or death due to cardiac failure which occurs weeks to months after symptoms and diagnosis (Banasik, 2022).

Causes of Myocarditis: Myocarditis can be caused by viruses, microorganisms, toxins, hypersensitivity, and immune disorders.

Patient Education: Presentation of myocarditis is not consistent and can include heart failure, intractable arrhythmias, and sudden cardiac death. Diagnosis is based on clinical findings. Testing is non-invasive but could also include a biopsy if the presentation of symptoms is warranted. Treatment is dependent on the type of myocarditis diagnosed. Treatment ranges from medications for heart failure and arrhythmias to immunotherapy for sarcoidosis or medication-related myocarditis and giant cell myocarditis ("Myocarditis," 2024).

References

Banasik, J. (2022). *Pathophysiology E-book* (7th ed.). Elsevier Health Sciences.

Myocarditis. (2024, May 1). MSD Manual Professional Edition.

https://www.msdmanuals.com/en-jp/professional/cardiovascular-disorders/myocarditis-and-pericarditis/myocarditis#Treatment_v35600521