Assignment: Disorders of the Veins and Arteries

Advanced practice nurses often treat patients with vein and artery disorders such as chronic venous insufficiency (CVI) and deep venous thrombosis (DVT). While the symptoms of both disorders are noticeable, these symptoms are sometimes mistaken for signs of other conditions, making the disorders difficult to diagnose. Nurses must examine all symptoms and rule out other potential disorders before diagnosing and prescribing treatment for patients. In this Assignment, you explore the epidemiology, pathophysiology, and clinical presentation of CVI and DVT.

**To Prepare**

* Review the section “Diseases of the Veins” (pp. 585–587) in Chapter 23 of the Huether and McCance text. Identify the pathophysiology of chronic venous insufficiency and deep venous thrombosis. Consider the similarities and differences between these disorders.
* Select a patient factor different from the one you selected in this week’s Discussion: genetics, gender, ethnicity, age, or behavior. Think about how the factor you selected might impact the pathophysiology of CVI and DVT. Reflect on how you would diagnose and prescribe treatment of these disorders for a patient based on the factor you selected.
* Review the “Mind Maps—Dementia, Endocarditis, and Gastro-oesophageal Reflux Disease (GERD)” media in the Week 2 Learning Resources. Use the examples in the media as a guide to construct two mind maps—one for chronic venous insufficiency and one for venous thrombosis. Consider the epidemiology and clinical presentation of both chronic venous insufficiency and deep venous thrombosis.

**To Complete**

Write a 2- to 3-page paper that addresses the following:

* Compare the pathophysiology of chronic venous insufficiency and deep venous thrombosis. Describe how venous thrombosis is different from arterial thrombosis.
* Explain how the patient factor you selected might impact the pathophysiology of CVI and DVT. Describe how you would diagnose and prescribe treatment of these disorders for a patient based on the factor you selected.
* Construct two mind maps—one for chronic venous insufficiency and one for deep venous thrombosis. Include the epidemiology, pathophysiology, and clinical presentation, as well as the diagnosis and treatment you explained in your paper.

BY DAY 7

The Assignment is due.

***Note:****The School of Nursing requires that all papers submitted include a title page, introduction, summary, and references. The Sample Paper provided at the Walden Writing Center provides an example of those required elements (available at*[*http://writingcenter.waldenu.edu/57.htm*](http://writingcenter.waldenu.edu/57.htm)*). All papers submitted must use this formatting.*

SUBMISSION AND GRADING INFORMATION

**To submit your completed Assignment for review and grading, do the following:**

* Please save your Assignment using the naming convention “WK4Assgn+last name+first initial.(extension)” as the name.
* Click the **Week 4 Assignment Rubric**to review the Grading Criteria for the Assignment.
* Click the **Week 4 Assignment**link. You will also be able to “View Rubric” for grading criteria from this area.
* Next, from the Attach File area, click on the **Browse My Computer** button. Find the document you saved as “WK4Assgn+last name+first initial.(extension)” and click **Open**.
* If applicable: From the Plagiarism Tools area, click the checkbox for **I agree to submit my paper(s) to the Global Reference Database**.
* Click on the **Submit** button to complete your submission