

Anatomy and Physiology II MED 165

Blood Vessels System Study Guide

1. List all of the components of systemic circulation?
2. What are three layers of all arteries and veins?
3. What tissue is found in the three layers?
4. Which direction do arteries transport blood?
5. Is arterial blood oxygenated, deoxygenated or it depends on the type of circulation?
6. What are the two types of arteries?
7. What is the thickest tissue layer in an artery?
8. What is predominant type of tissue in elastic arteries?
9. In what conditions, will we find elastic arteries?
10. What is the main elastic artery in humans?
11. What is the predominant type of tissue in muscular arteries?
12. What is the function of arterioles?
13. How do arterioles regulate the flow of blood to a capillary network?
14. What is the function of a capillary?
15. What two tissue layers are not present in capillaries?
16. What controls the flow of blood into and out of capillary?
17. What are the three types of capillaries?
18. Where do you find continuous capillaries?
19. What type of molecules can go through a continuous capillary?
20. How are larger molecules transported through a continuous capillary?
21. Where do you find fenestrated capillaries?
22. What is the difference between fenestrated and continuous capillaries?
23. Where do you find sinusoidal capillaries?
24. What types of molecules can be transported through sinusoidal capillaries?
25. What drains blood from a capillary bed?
26. How does the lumen of an artery compare to a vein?
27. What layer of tissue is thickest in a vein?
28. What prevents blood from flowing backwards through a vein?
29. What is an anastomoses?
30. What are the three types of anastomoses found in humans?