Anatomy I, Tues& Thurs. – 5:20  Chapter 20 Lymphatic System – Study Guide

Read Chapter 20, Lymphatic System, pages 753-761

The student should be able to:

1. List the three major parts of the lymphatic system.
2. State the two major functions of the lymphatic system.
3. Describe the relationship between lymph and interstitial fluid.
4. Describe interstitial fluid.
5. Describe at what point interstitial fluid becomes lymph.
6. Explain what is meant by the phrase, “lymphatic system is a one way system”, and how this is different from the blood circulatory system.
7. List the lymphatic vessels from smallest to largest.
8. Explain how lymphatic capillaries differ from blood capillaries regarding permeability.
9. Describe lymphatic minivalves and explain their function
10. State which structures do not have lymphatic capillaries or vessels.
11. Explain the “special” function lymph perform in the lacteals in the small intestines of the digestive tract.
12. Explain which nutrient is absorbed by the lymph in the capillaries of the lacteals.
13. Explain what type of lymphatic vessel is found between the lymphatic capillary and the lymphatic trunks.
14. Name the lymphatic trunks and give their location.
15. Explain what the lymphatic trunks drain into.
16. Explain where the lymph goes once it is emptied from the lymphatic ducts.
17. The lymphatic system doesn’t have a heart to pump the lymph. Explain how the lymph is propelled through the body without a pump.
18.
19. Describe the role of skeletal muscles in the movement of lymph.
20. Tell how much lymph is dumped back into the circulatory system each day.

21. Tell how much plasma is lost into the tissues as interstitial fluid each day.

22. Explain which leucocytes are the main warriors of the immune system.

23. Explain briefly what the immune system is.

24. Identify the two main types of lymphocytes.

25. Briefly explain the functions of the T cells and identify the two types of T cells and briefly explain the function of each.

26. Give the name of the type of immunity that B cells provide and briefly describe this type of immunity.

27. Identify the two main types of lymphoid tissue.

28. Describe the difference between diffuse lymphoid tissue and lymphatic follicles (Nodules but, not nodes)

29. Identify/name the principal lymphoid organs in the human body.

30. Explain the location of lymph nodes in relationship to the lymphatic vessels.

31. Describe the regions of the body where lymph nodes are found.

32. Describe the size and shape of a lymph node.

33. Describe the function of a lymph node.

34. Describe the outer structure and composition of a lymph node.

35. Describe the structure of a lymph node.

36. Identify the largest lymphoid organ.

37. Describe the function of the spleen.

38. Describe the location of the thymus.

39. Briefly describe the relative size of the thymus in relation to age.

40. Briefly describe the function of the thymus.

41. Explain what tonsils are.

42. Name the four types of tonsils and describe their location.
43. Explain what is meant by a tonsil crypt.

44. Explain what Peyer’s patches are, where they can be located and briefly describe their function.

45. Explain the meaning of the acronym MALT.