

Chapter 8

The Lymphatic System

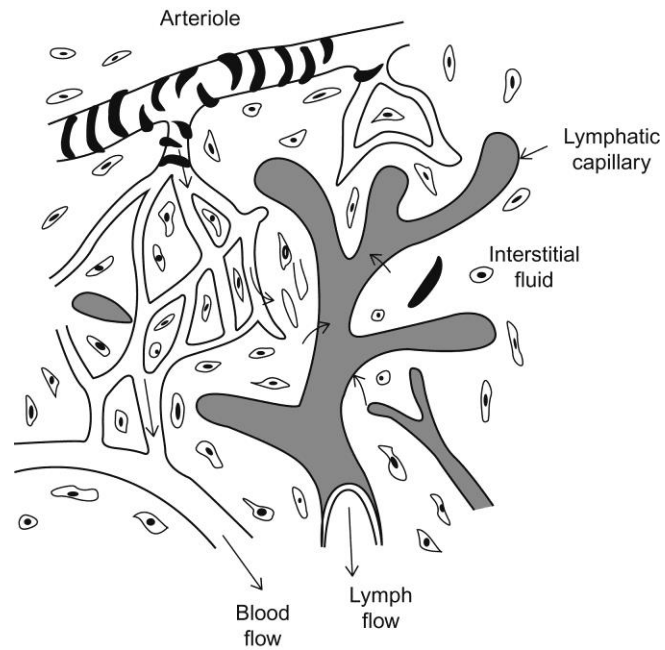


Figure 8.1 The association of a lymphatic capillary and a capillary network. Arrows indicate the movement of fluid from the blood vessel into the interstitial space and then into the lymphatic system. The lymphatic system is an open-ended system that starts at the lymphatic capillaries and progresses to larger lymphatic vessels. *Adapted from Martini and Nath (2009).*

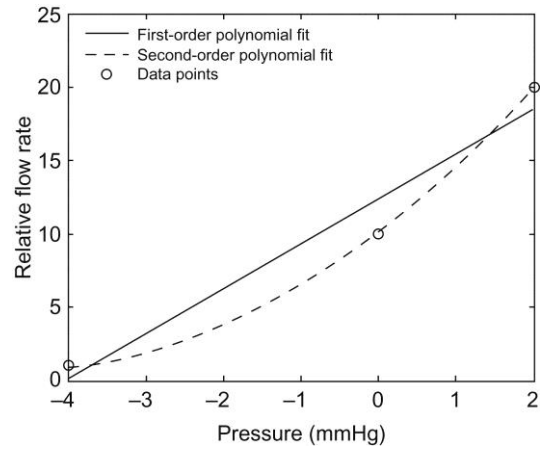


Figure 8.2 Regression analysis of data presented in the in-text example.

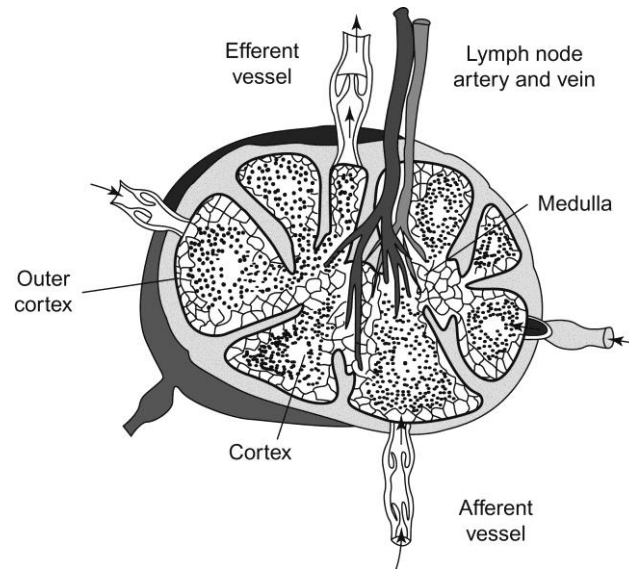


Figure 8.3 Structure of a lymph node, showing the internal arrangement of the lymph node sinuses. Each lymph node is associated with one artery and one vein that provide a direct connection between foreign particles within the cardiovascular system and lymphocytes within the lymphatic system. Lymph enters the lymph node from multiple afferent vessels that pass through various chambers of the lymph node. These chambers have multiple lymphocytes to monitor the presence of inflammatory mediators. After passing through these chambers, lymph flows out of the lymph node from one efferent vessel. *Adapted from Martini and Nath (2009).*