Vascular Histology Objectives

• Given a histologic section of a large or medium sized artery, identify the
tunica intima
tunica media
tunica adventitia

• Identify the following structures in a histologic section of an arter:
  Endothelium
  Internal elastic lamina
  External elastic lamina
  Vasovasorum

• Distinguish the characteristics which separate large, medium and small arteries and arterioles.

• In a tissue section, distinguish a medium sized artery from a medium sized vein

• In a tissue section identify capillaries and describe their structure and function

• Compare and contrast general structural features of the arterial vs venous system

• Describe the structure and function of a lymphatic

Cardiac Histology Objectives

• Identify the 3 layers of the heart – endocardium, myocardium, epicardium

• Differentiate cardiac, skeletal and smooth muscle on H&E stained slides citing the key distinguishing morphologic features

• Define “intercalated disc”
• Name the layer of the heart in which Purkinje fibers are found and describe their function

• Explain which chamber of the heart has the thickest layer of myocardium vs the thinnest

• Explain the general histologic structure of a cardiac valve