Vascular Disease

DATE: September 21, 2018

Reading Assignment: Robbins Basic Pathology, 10th edition
Chapter 10 Vascular Disease
Pages:
361-364 (an excellent summary of the structure and function of blood vessels)
368-381
391-393, 396

Required Module: MHD Histology for Pathology – Histology of the Circulatory System

EDUCATIONAL OBJECTIVES:

• Describe key features of the intimal response to vascular injury.

• List and describe the morphologic variants of arteriosclerosis
  o Atherosclerosis
  o Monckeberg’s medial calcific sclerosis
  o Fibromuscular intimal hyperplasia
  o Arteriosclerosis - hypertension induced (hyaline vs hyperplastic)

• Describe the pathology of an atheroma, advanced atherosclerosis and associated complications.

• Define “aneurysm” and describe mechanisms of pathogenesis.

• Define “false aneurysm”

• Describe the etiology, pathogenesis, pathology and clinical manifestations of an abdominal aortic aneurysm. Correlate and explain the clinical findings with the pathologic changes.

• Describe the etiology, pathogenesis, pathology and clinical manifestations of an aortic dissection. Correlate and explain the clinical findings with the pathologic changes.

Self-Study

• Summarize the cell of origin and behavior of angiosarcomas

• Summarize the rationale of performing CD31 and vonWillebrand factor immunoperoxidase staining on poorly differentiated angiosarcomas