

Cerebrovascular Disease

- I. Vascular anatomy
 - A. Arterial anatomy
 - 1. Blood brain barrier
 - B. Venous anatomy
- II. Cerebral blood flow and metabolism
- III. Ischemic vascular disease
 - A. Extracranial occlusive disease
 - 1. Incidence, etiology, natural history, management
 - B. Intracranial occlusive disease
 - 1. Anterior circulation
 - a. Incidence, etiology, natural history, management
 - 2. Posterior circulation
 - a. Incidence, etiology, natural history, management
 - 3. Venous and sinus thrombosis
 - a. Incidence, etiology, natural history, management
 - C. Embolic disease
 - 1. Incidence, etiology, natural history, management
 - D. Arterial dissection
- IV. Intracerebral hemorrhage
 - A. Incidence, etiology, natural history
- V. Cerebral aneurysms
 - A. Congenital/saccular
 - 1. Anterior circulation
 - a. Incidence, etiology, natural history, management
 - 2. Posterior circulation
 - a. Incidence, etiology, natural history, management
 - B. Subarachnoid hemorrhage/vasospasm
 - C. Mycotic
 - 1. Incidence, etiology, natural history, management
 - D. Traumatic
 - 1. Incidence, etiology, natural history, management
 - E. Dolichoectatic
 - 1. Incidence, etiology, natural history, management
- VI. Vascular malformations
 - A. Arteriovenous malformation
 - B. Cavernous malformation
 - C. Venous angiomas/developmental venous anomaly
 - D. Capillary telangiectasia
- VII. Spinal arteriovenous malformations
 - A. Incidence, etiology, natural history, management
- VIII. Cerebral arteriovenous fistulas
 - A. Incidence, etiology, natural history, management
- IX. Spinal arteriovenous fistulas
 - A. Incidence, etiology, natural history, management

X. Vasculitis

A. Incidence, etiology, natural history, management