Cerebrovascular disease outlines and objectives

Outline:
1. Hypoxia, ischemia, infarction
2. Global and focal cerebral ischemia
3. Gross and microscopic changes in infarct - timeline (acute, subacute, chronic)
4. Ischemic versus hemorrhagic infarct, causes
5. Cerebral hemorrhage (spontaneous, traumatic, CAA, subarachnoid, intraparenchymal, hypertensive hemorrhages, germinal matrix hemorrhage)

Objectives:
1. Know the definition of and distinction between: hypoxia, anoxia, ischemia and infarction.
2. Know the morphologic correlates of ischemia, infarction.
3. Distinguish ischemic stroke (cerebral infarct) from hemorrhagic stroke (intracerebral hemorrhage) in terms of etiology and pathology.
4. What is the difference between hemorrhagic infarct and a cerebral hemorrhage?
5. What is "small vessel disease", name 2 conditions that cause it, and what are its effects in the brain?
6. Know other causes of ischemic infarct besides atherosclerosis and embolism.