

**American Academy of Neurology  
Stroke and Vascular Neurology Section  
Resident Core Curriculum**

9/15/01

1. Basic anatomy of the cerebral and spinal cord circulation.
2. Stroke mechanisms: the pathophysiology of ischemia and hemorrhage
  - a. Atherosclerosis
  - b. Thrombosis: platelet physiology; coagulation
  - c. Embolism
  - d. Hemorrhage
3. Common clinical syndromes of stroke
4. Transient ischemic attacks.
5. The evaluation of stroke patients
  - a. Imaging, laboratory evaluation.
6. Management of stroke patients
  - a. Fluids, blood pressure, nutrition.
  - b. Anticoagulation issues.
  - c. Complication avoidance and treatment
  - d. Surgical interventions.
7. Emergency treatment of acute stroke patients
  - a. Thrombolytic therapy.
8. Medical therapies for stroke prevention.
9. Rehabilitation of stroke patients.