StrokeSTOP Reference Drawings
(by Anne B. Greene, MA, CMI)

1. CAROTID-VERTEBRAL
   Vessel origins and distributions

2. MEDIAL BRAIN
   ACA
   PCA
   Functional areas

3. LATERAL BRAIN OPENED
   MCA - superior and inferior branches

4. LATERAL BRAIN
   MCA
   Functional areas

5. CORONAL BRAIN
   ACA
   MCA

6. BASE OF BRAIN
   Carotid system
   Vertebral-basilar system

7. ACA-MCA ANTIERIOR & LATERAL
   Border zones

8. MCA-PCA LATERAL
   Border zones

9. FOREBRAIN TERRITORY MAPS
   Lateral
   Medial
   Horizontal
   Superior
   Inferior

10. BRAINSTEM SYNDROMES
    Midbrain
    Mid-pons
    Caudal pons
    Rostral medulla
1. CAROTID-VERTEBRAL

CAROTID SYSTEM

- Middle cerebral a. (MCA)
- Anterior cerebral a. (ACA)
- Ophthalmic a.
- External carotid a.
- Internal carotid a.
- Common carotid a.

VERTEBRAL SYSTEM

- Posterior cerebral a. (PCA)
- Superior cerebellar a.
- Basilar a.
- Anterior inferior cerebellar a.
- Posterior inferior cerebellar a.
- Vertebral a.
- Posterior communicating a.

Subclavian a.

Arch of aorta

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3. LATERAL BRAIN OPENED

Superior branches of Middle cerebral a. (MCA)

MCA stem

Inferior branches of Middle cerebral a. (MCA)
4. LATERAL BRAIN

- Superior branches of Middle cerebral a. (MCA)
- MOTOR
- SENSORY
  - HIP
  - TRUNK
  - SHOULDER
  - ARM
  - HAND
  - FINGERS
  - THUMB
  - FACE
  - LIPS
  - TONGUE
  - LARYNX
- VISUAL RADIATIONS
- BROCA'S AREA
- WERNICKE'S AREA
- Inferior branches of Middle cerebral a. (MCA)
6. BASE OF BRAIN

CAROTID SYSTEM

- Anterior communicating a.
- Anterior cerebral a. (ACA)
- Deep penetrating branches of ACA
- Internal carotid a. (cut)
- Middle cerebral a. (MCA)
- Posterior communicating a.

VERTEBRAL-BASILAR SYSTEM

- Deep penetrating branches
- Posterior cerebral a. (PCA)
- Superior cerebellar a.
- Basilar a.
- Short circumferential basilar vessels
- Anterior inferior cerebellar a.
- Vertebral a.
- Posterior inferior cerebellar a.
- Anterior spinal a.
9. FOREBRAIN TERRITORY MAPS

LATERAL

MEDIAL

HORIZONTAL

SUPERIOR

INFERIOR

KEY

ACA  Anterior cerebral a.
MCA  Middle cerebral a.
PCA  Posterior cerebral a.
BZ   Border zones
10. BRAINSTEM SYNDROMES

KEY

- IO: Inferior olivary complex
- ML: Medial lemniscus
- MLF: Medial longitudinal fasciculus
- PPRF: Paramedian pontine reticular formation
- PT: Pyramidal tract
- RF: Reticular formation
- RN: Red nucleus
- SC: Superior colliculus
- ST: Spinthalamic tract
- VN: Vestibular nuclei
- ICP: Inferior cerebellar peduncle
- MCP: Middle cerebellar peduncle
- SCP: Superior cerebellar peduncle

3-12 refer to cranial nerves or their nuclei

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