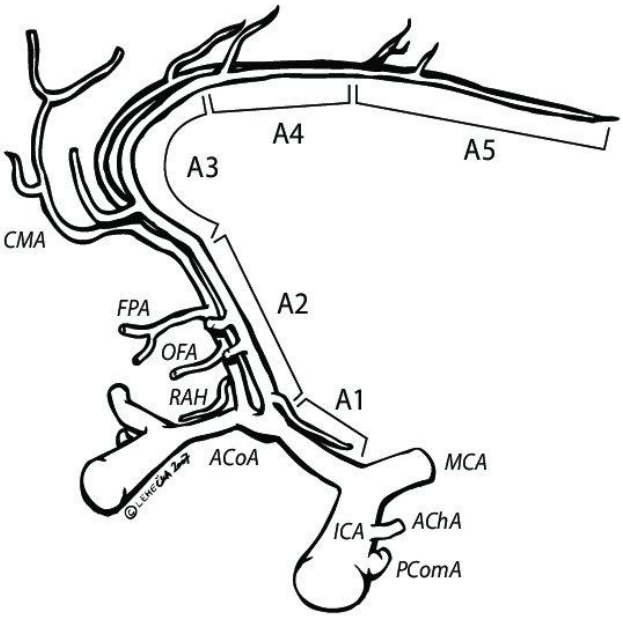
Anterior cerebral artery (ACA)



- **A1: horizontal or pre-communicating segment**
  - originating from the terminal bifurcation of the ICA, extending ~14 mm in length
  - terminates at the anterior communicating artery (ACOM)

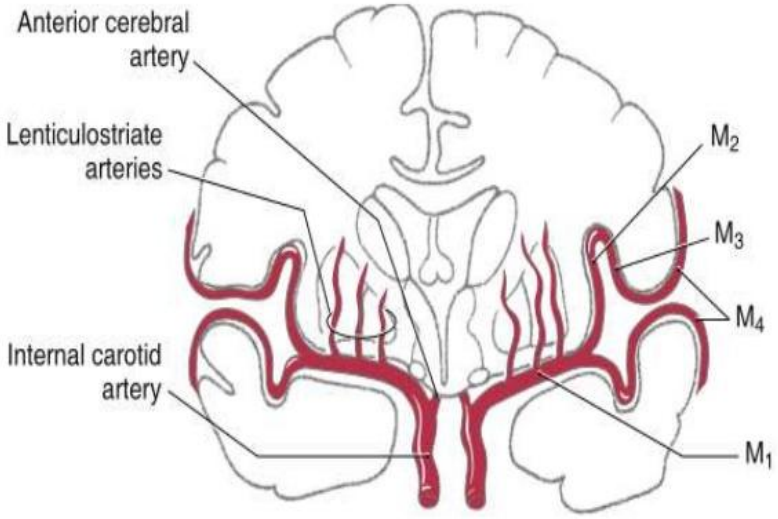
- **A2: vertical, post-communicating or infracallosal segment**
  - originating at the ACOM, extending anterior to the lamina terminalis and along the rostrum of the corpus callosum
  - terminates either at the genu of the corpus callosum or at the origin of the callosomarginal artery

- **A3: precallosal segment**
  - extends around the genu of the corpus callosum or distal to the origin of the callosomarginal artery
  - terminates where the artery turns directly posterior above the corpus callosum

- **A4: supracallosal segment**
  - above the body of the corpus callosum anterior to the plane of the coronal suture

- **A5: postcallosal segment**
  - above the body of the corpus callosum posterior to the plane of the coronal suture

Middle cerebral artery (MCA)



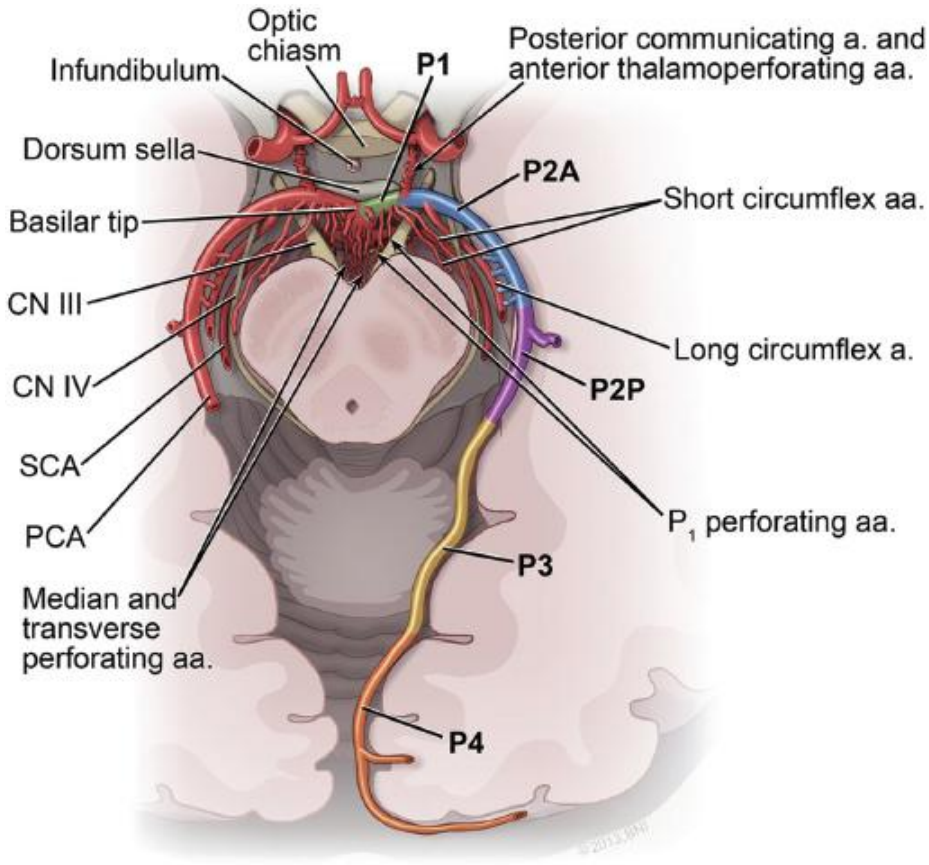
- **M1: sphenoidal or horizontal segment**
  - originates at the terminal bifurcation of the internal carotid artery
  - courses laterally parallel to the sphenoid ridge
  - terminates either:
    - at the genu adjacent to the limen insulae, where it makes a right angle turn
    - at the main bifurcation

- **M2: insular segment**
  - originates at the genu/limen insulae or the main bifurcation (see above)
  - courses posterosuperiorly in the insular cleft
  - terminates at the circular sulcus of insula, where it makes a right angle to hairpin turn

- **M3: opercular segment**
  - originates at the circular sulcus of the insula
  - courses laterally along the frontoparietal operculum
  - terminates at the external/superior surface of the Sylvian fissure

- **M4: cortical segment**
  - originates at the external/top surface of the Sylvian fissure
  - courses superiorly on the lateral convexity
  - terminates at their final cortical territory

Posterior cerebral arteries (PCA)



- **P1: pre-communicating segment**
  - originates at the termination of the basilar artery
  - terminates to the posterior communicating artery (PCOM), within the interpeduncular cistern

- **P2: post-communicating segment**
  - from the PCOM around the midbrain
    - **P2A (anterior):** sub-segment courses through the crural cistern
    - **P2P (posterior or ambient**): sub-segment courses through the ambient cistern
  - terminates as it enters the quadrigeminal cistern

- **P3: quadrigeminal segment**
  - courses posteromedially through the quadrigeminal cistern
  - terminates as it enters sulci of the occipital lobe

- **P4: cortical segment**
  - within the sulci of the occipital lobe