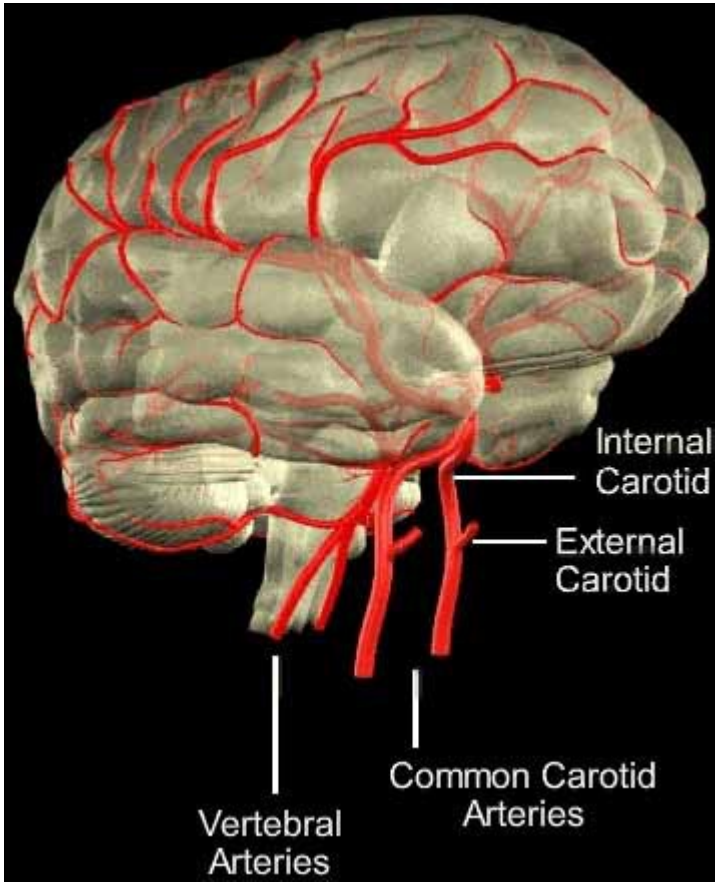
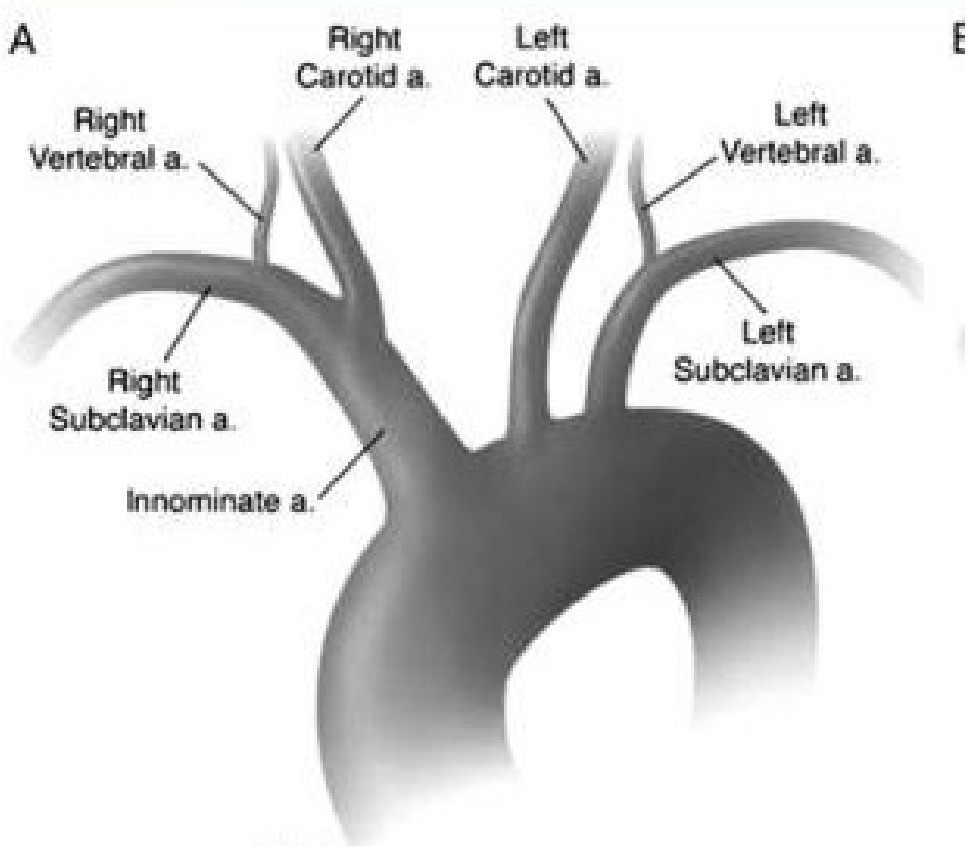
Cévní zásobení mozku

Petrášová Hana

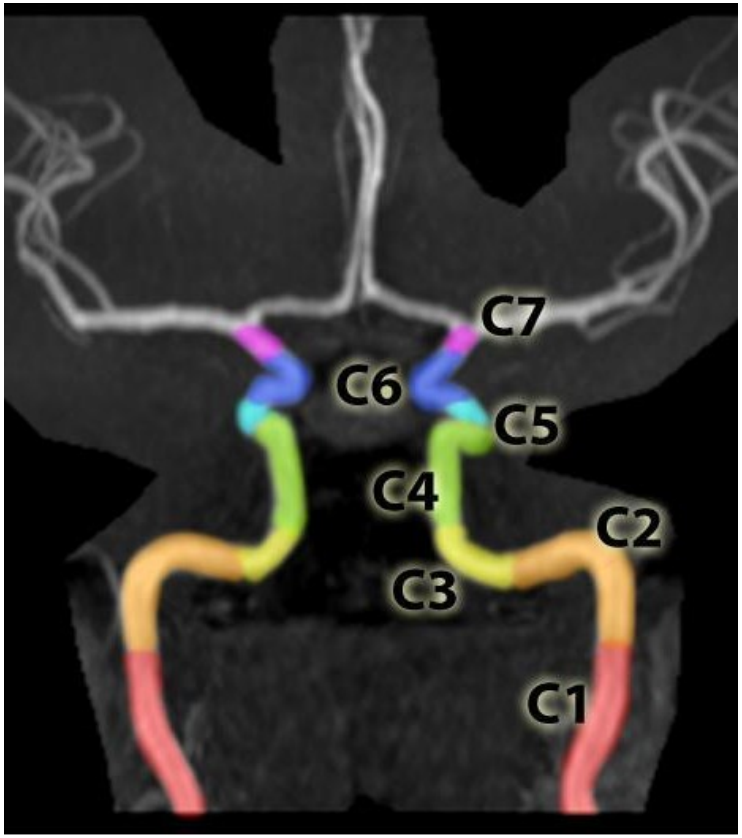
Magistrální mozkové tepny





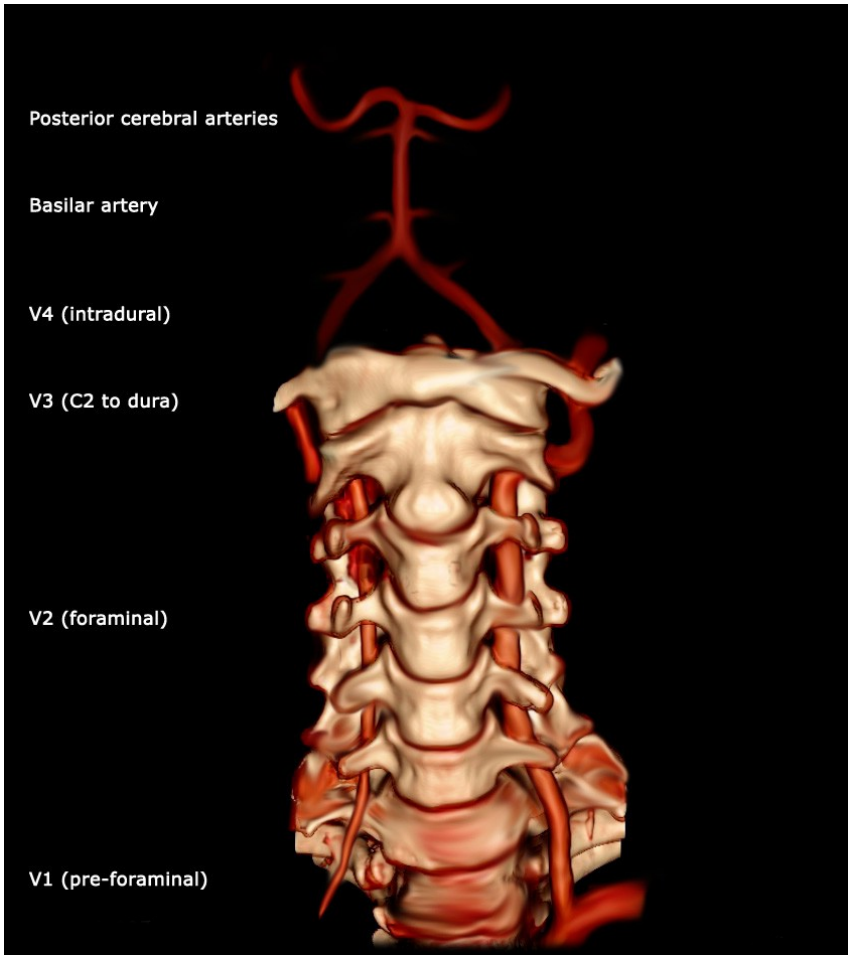
ACI

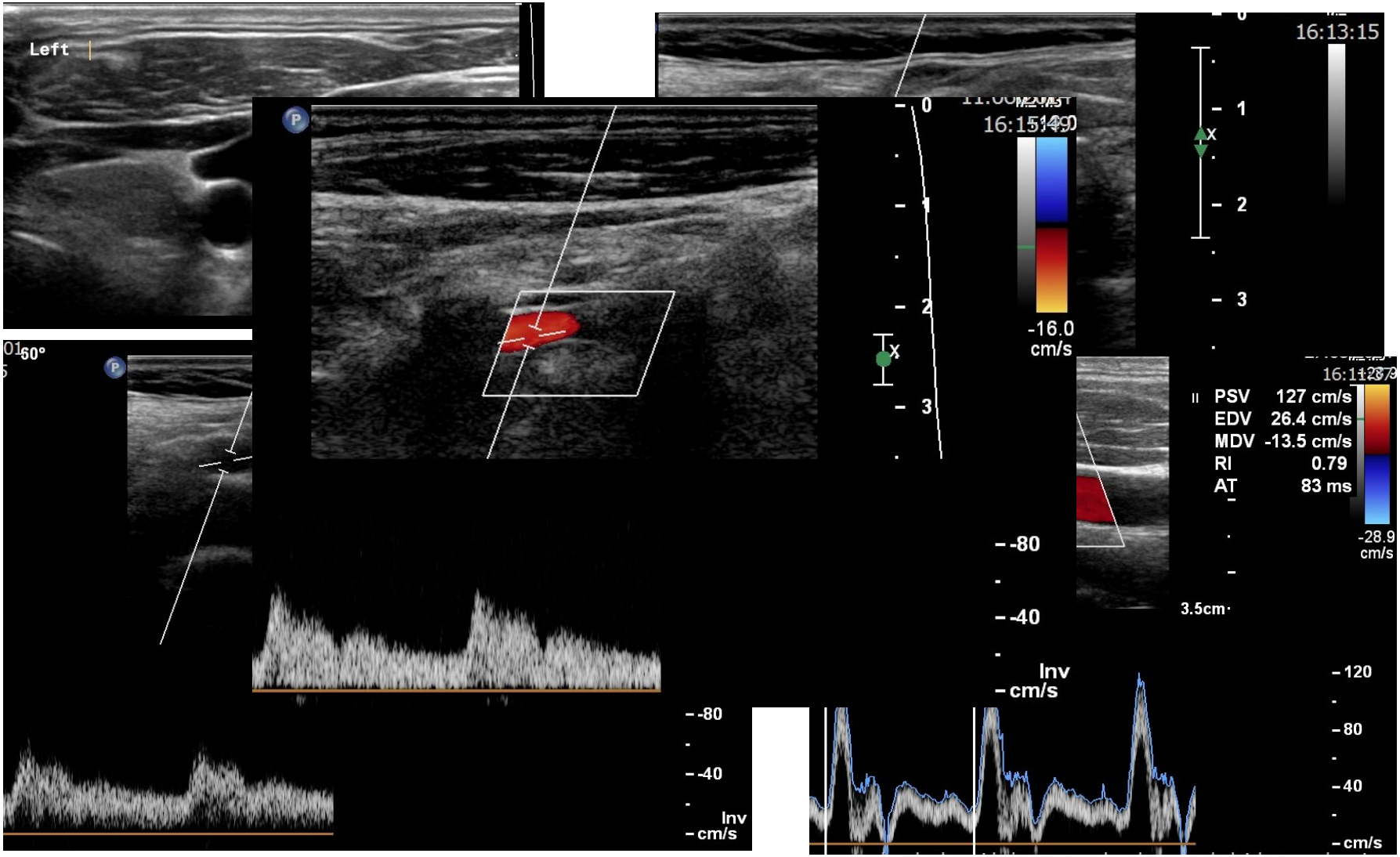
- **Cervical segment**, or C1 - none
- **Petrous segment**, or C2 - Caroticotympanic arteries, Artery of pterygoid canal
- **Lacerum segment**, or C3 - none
- **Cavernous segment**, or C4 - Tentorial basal branch, Tentorial marginal branch, Meningeal branch - helps supply blood to the meninges of the anterior cranial fossa, Clivus branches - tiny branches that supply the clivus, Inferior hypophyseal artery, Capsular branches - supplies wall of cavernous sinus, Branches to trigeminal ganglion - provide blood to trigeminal ganglion, Artery of the foramen rotundum, Branches to nerves
- **Clinoid segment**, or C5 - none
- **Ophthalmic**, or C6 - Ophthalmic artery, Superior hypophyseal artery
- **Communicating**, or C7 - Posterior communicating artery, Anterior choroidal artery, Anterior cerebral artery, Middle cerebral artery

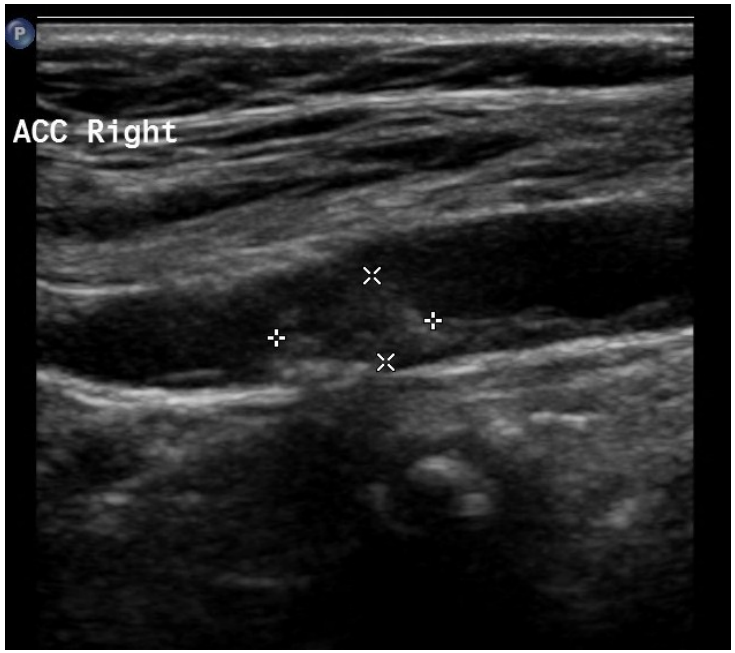


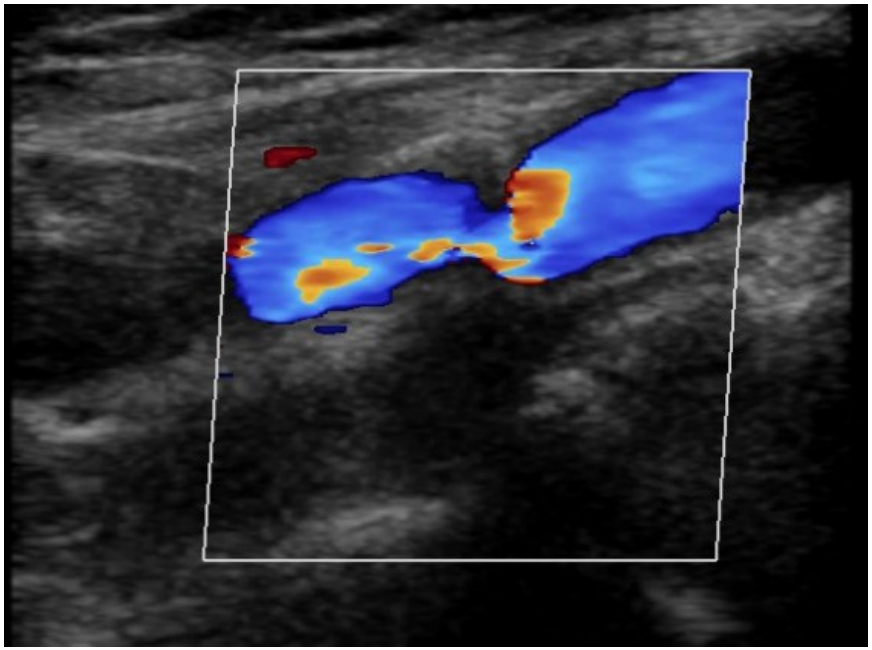
AV

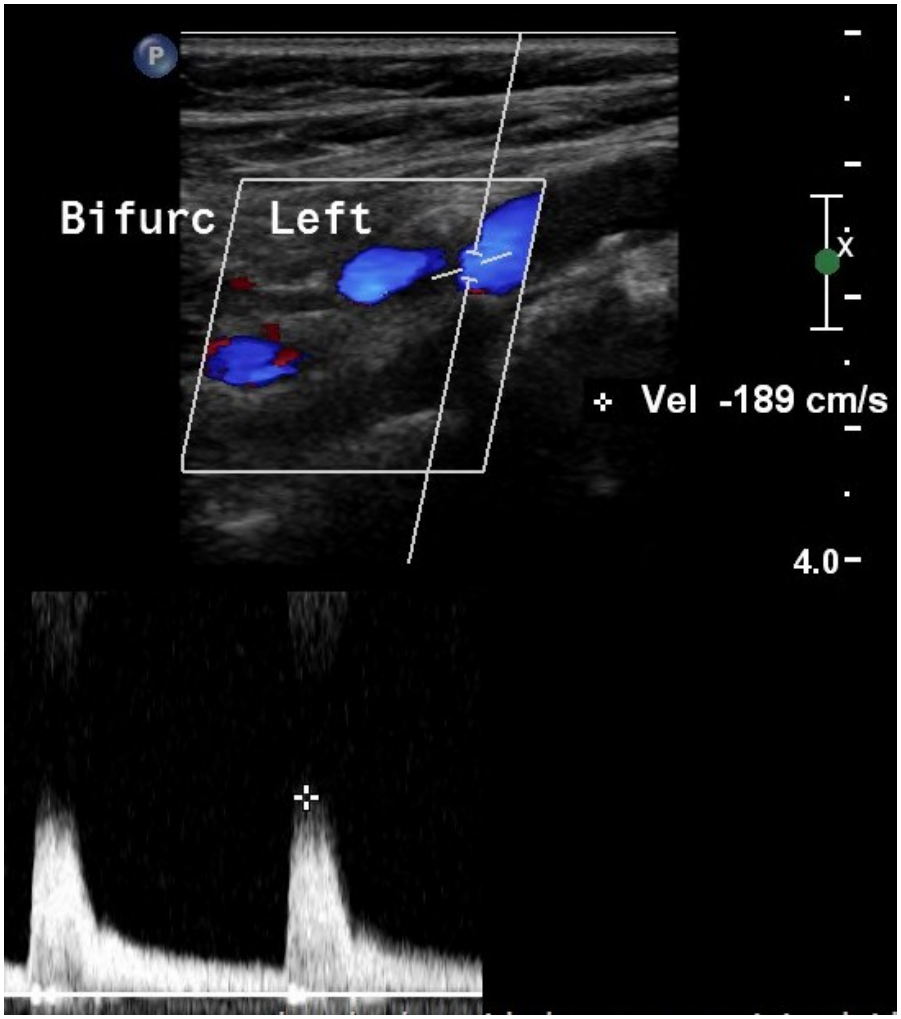
First part- V1
Second part- V2 through the foramina in the transverse processes of the C6 to C2 vertebrae
Third part- V3 from the C2 foramen transversarium, entering the foramen transversarium of C1, behind the superior articular process of the atlas and enters the vertebral canal.
Fourth part- V4 intradural

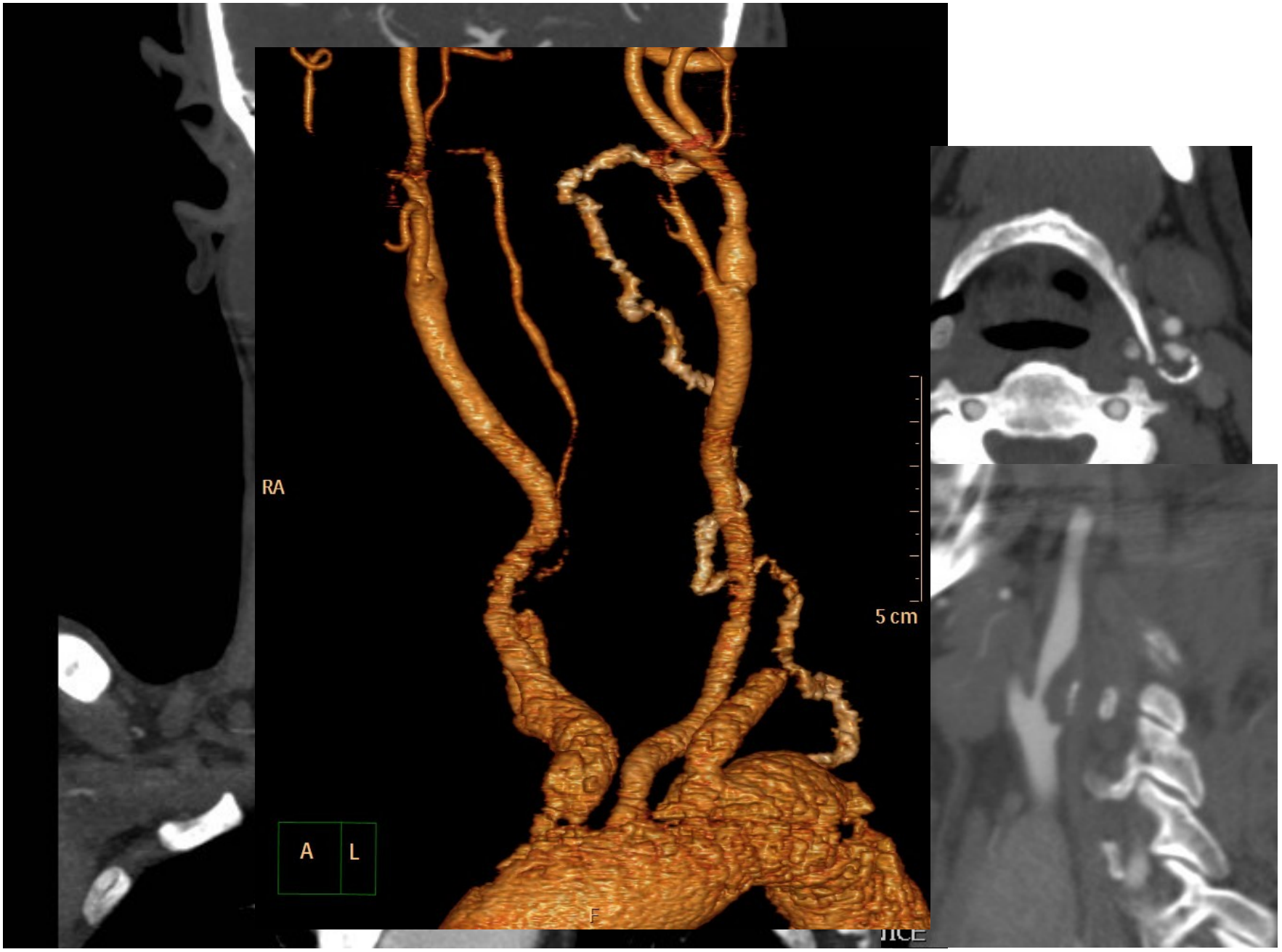



Left
16:13:15
-16.0
cm/s
PSV 127 cm/s
EDV 26.4 cm/s
MDV -13.5 cm/s
RI 0.79
AT 83 ms
-28.9
cm/s
3.5cm
Inv
cm/s
Inv
cm/s

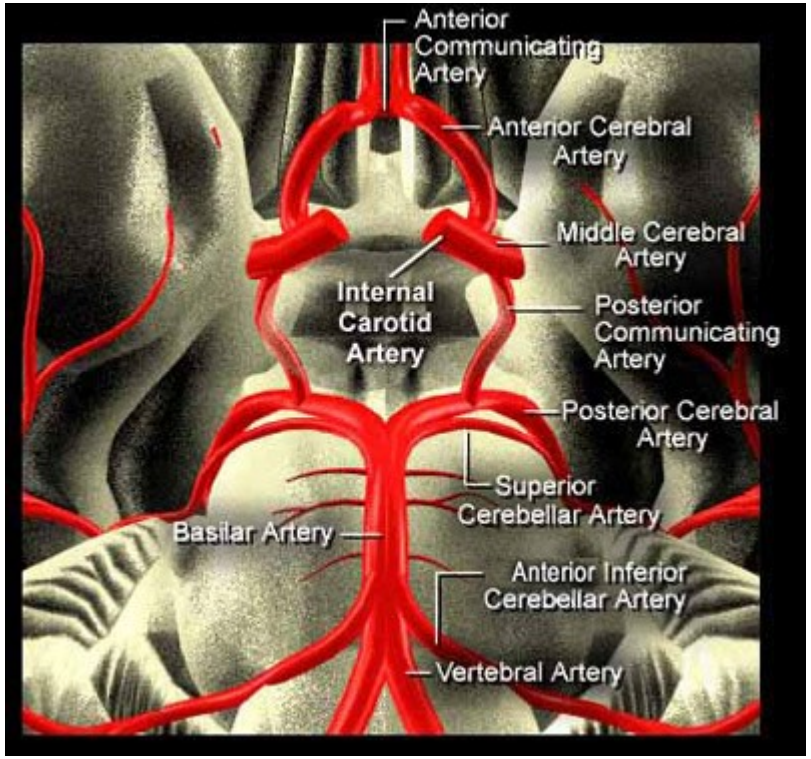

ACC Right



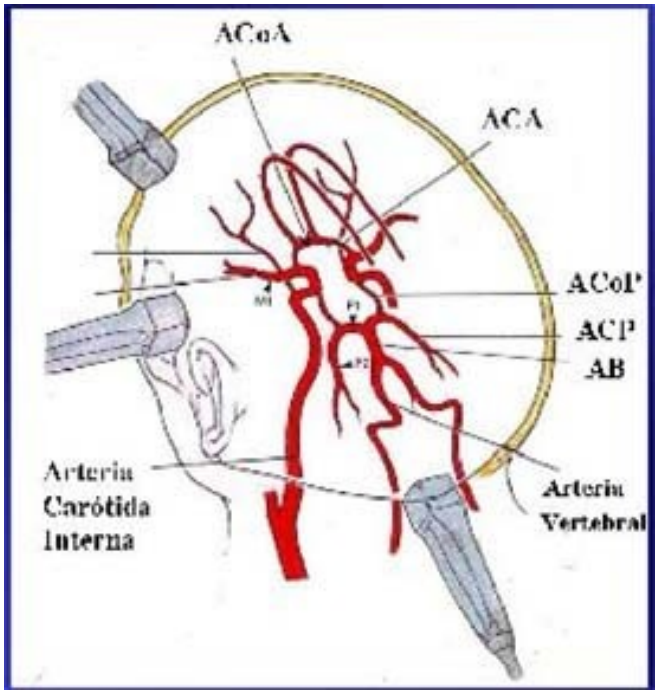

Bifurc Left
Vel -189 cm/s
4.0

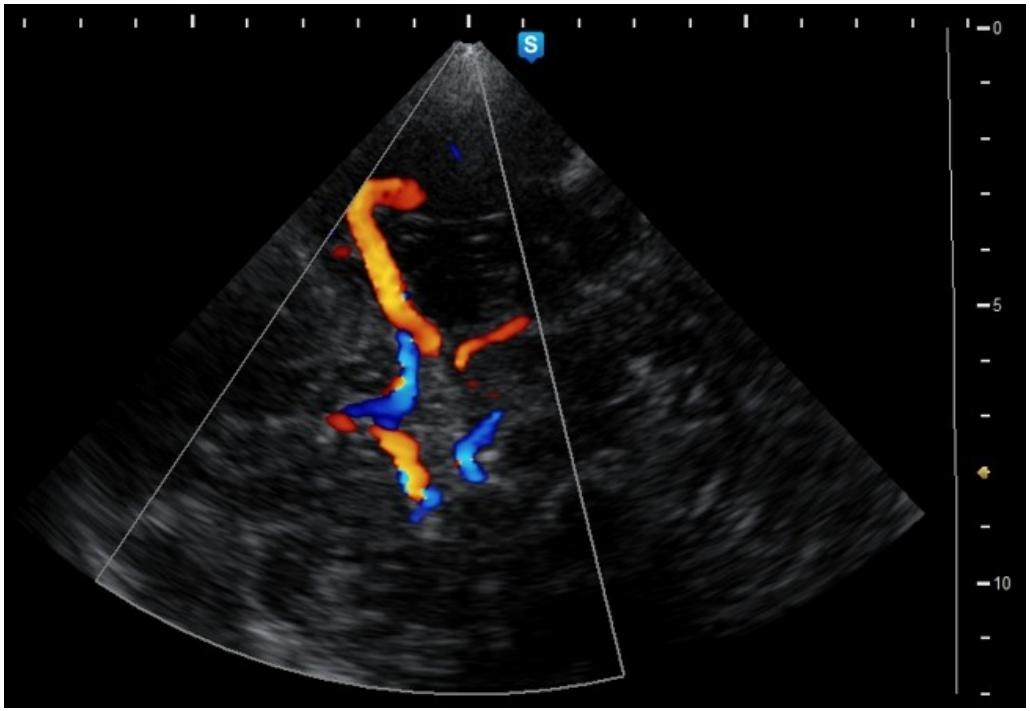

RA
5 cm
A
L
F

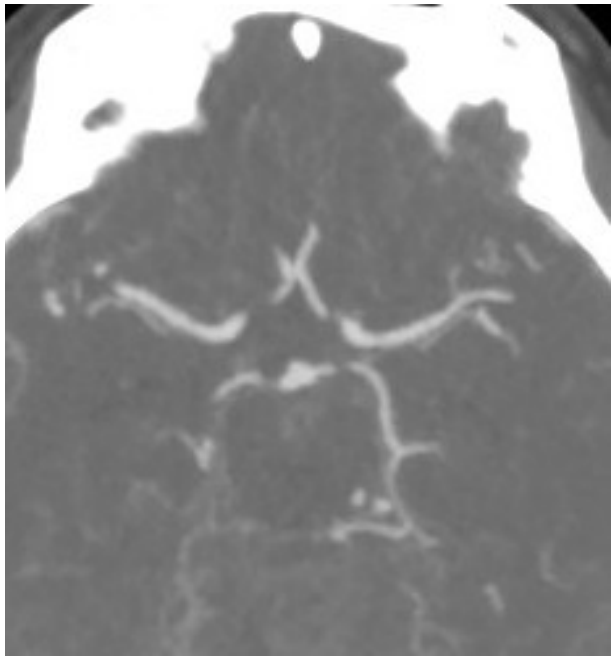
Willisův okruh



TCD

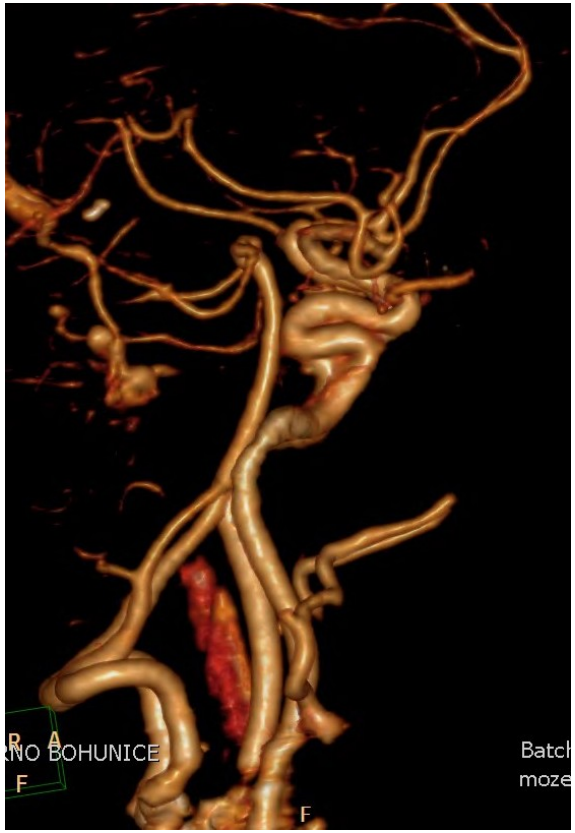

ACoA
ACA
ACoP
ACP
AB
Arteria
Carótida
Interna
Arteria
Vertebral


S
0
5
10

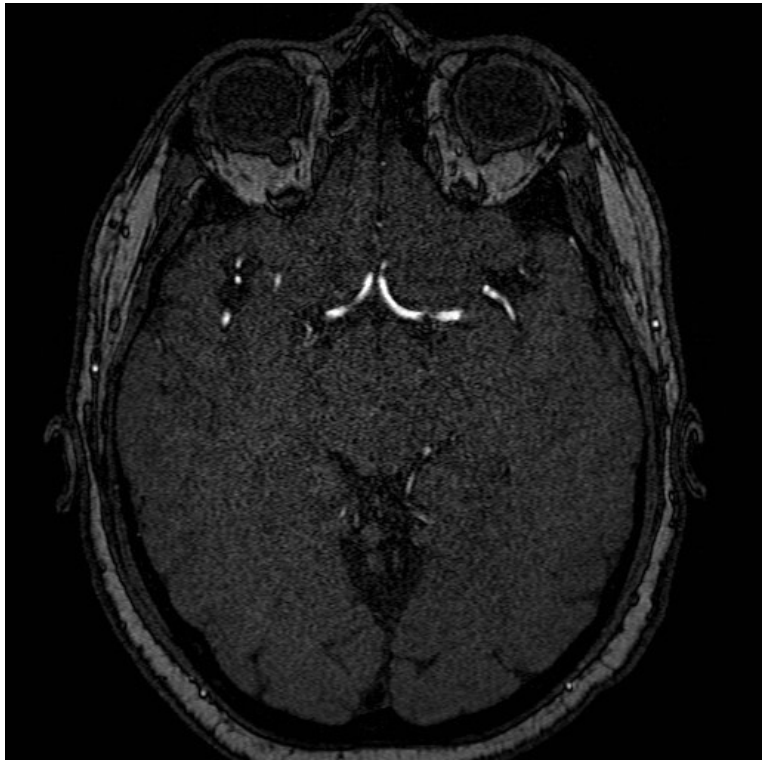


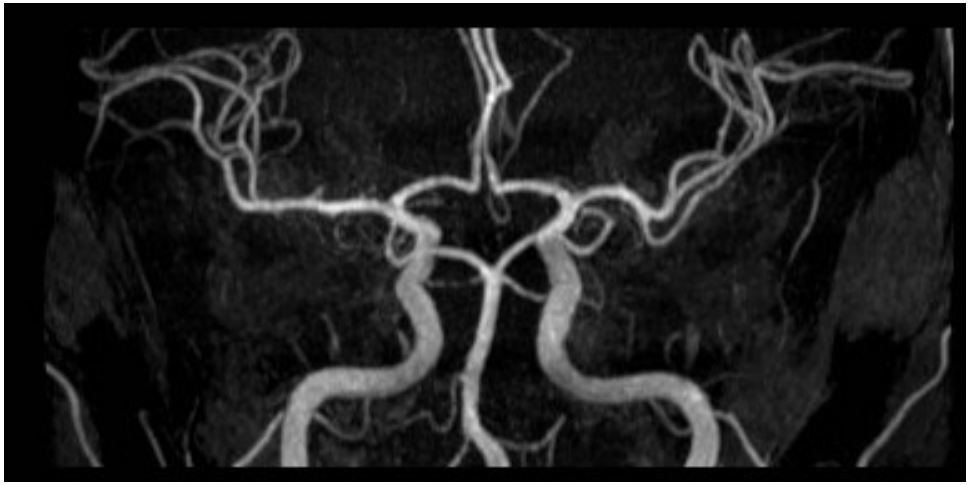

5 cm
mm
Batch 3
mozek nativ,,,
FP


F
R
5 cm
mm
Batch Volume
mozek nativ,,,
FN BRNO BOHUNICE
A
F
F

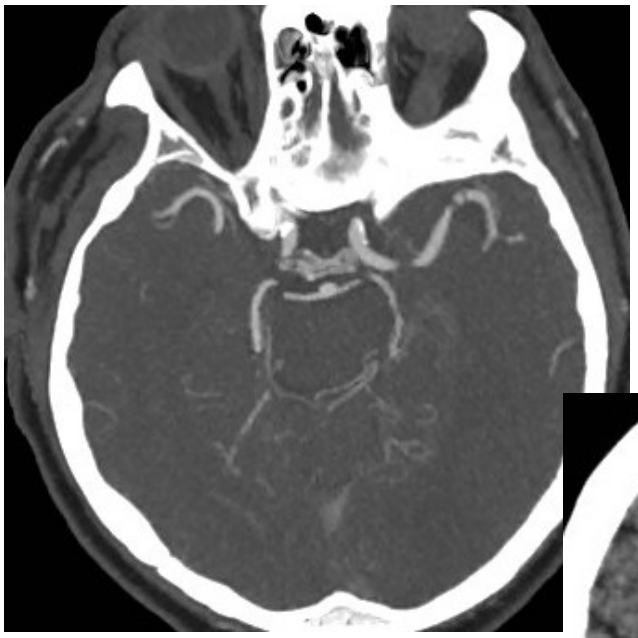

R
A
F
F

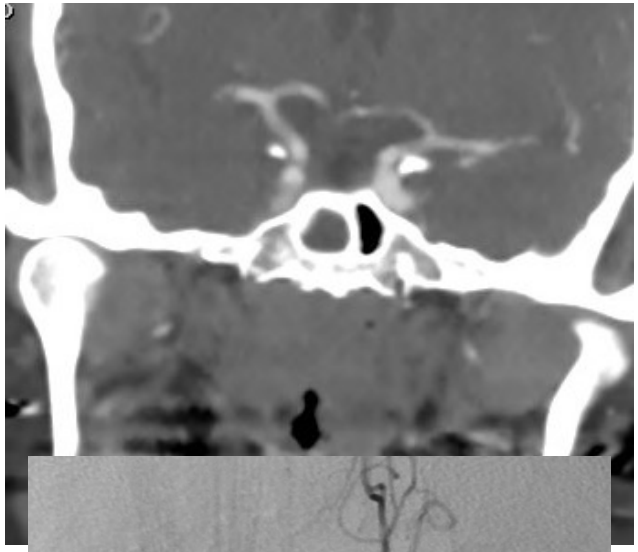
MRAG

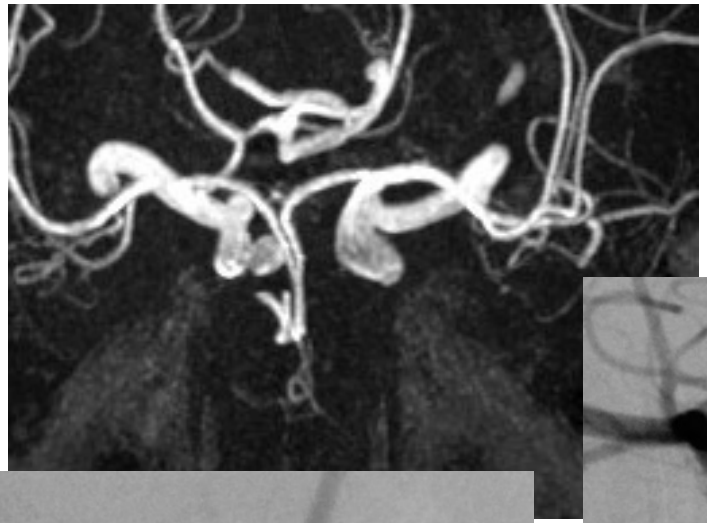





BOHUNICE

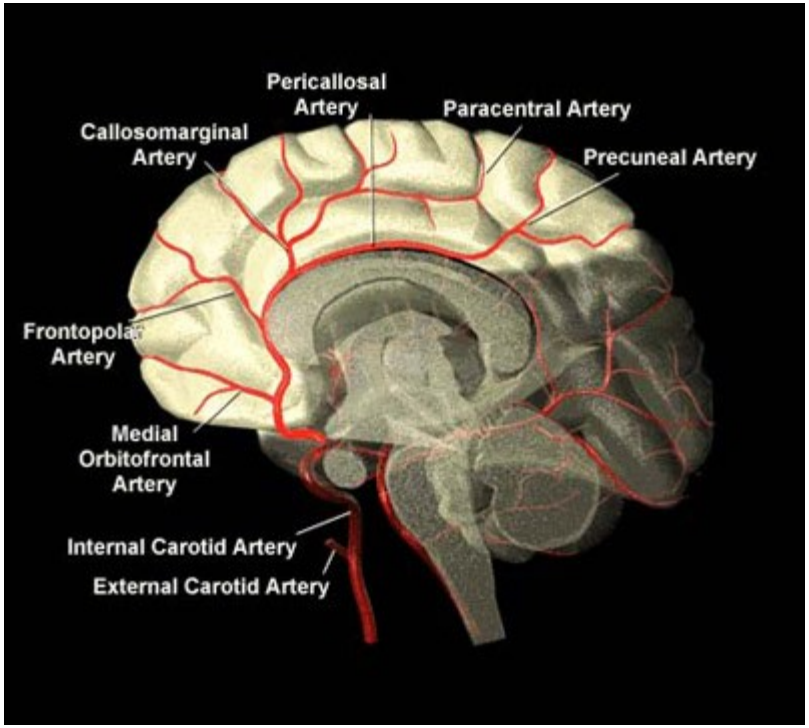




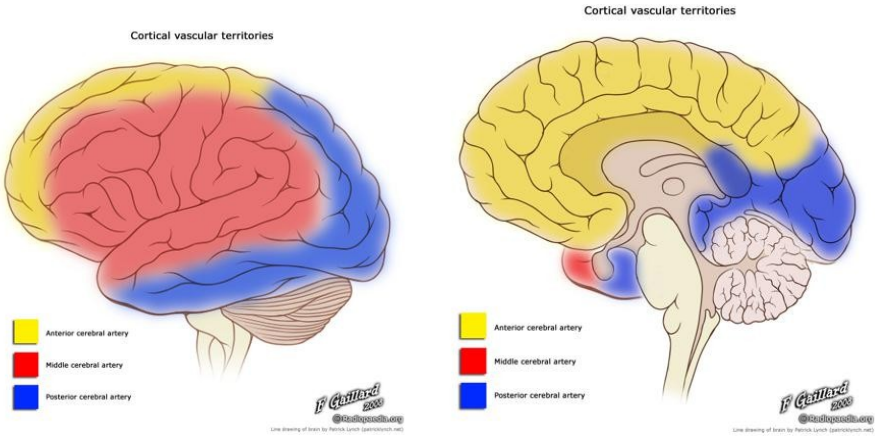





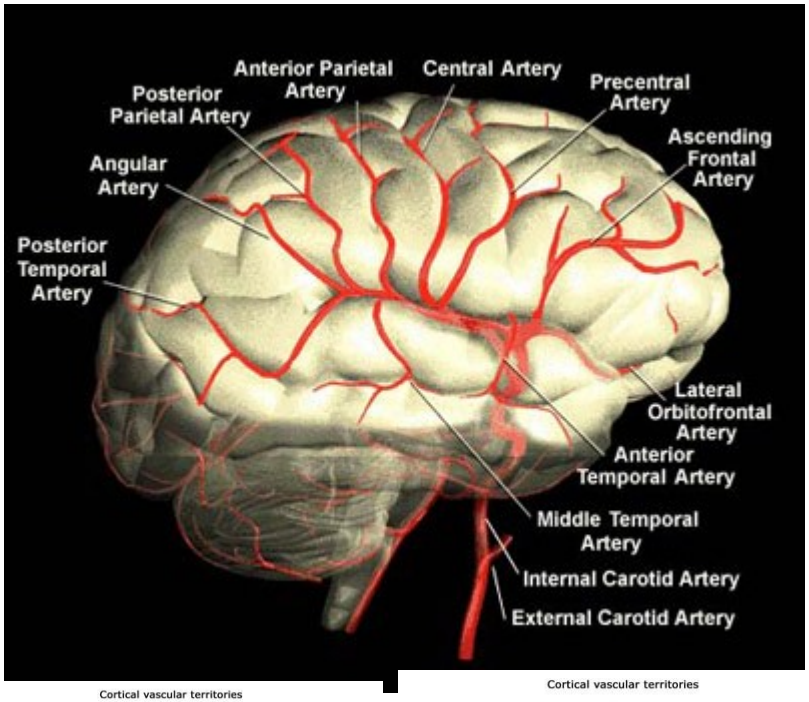
ACA

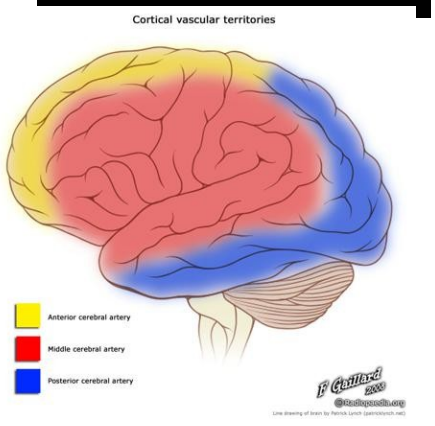


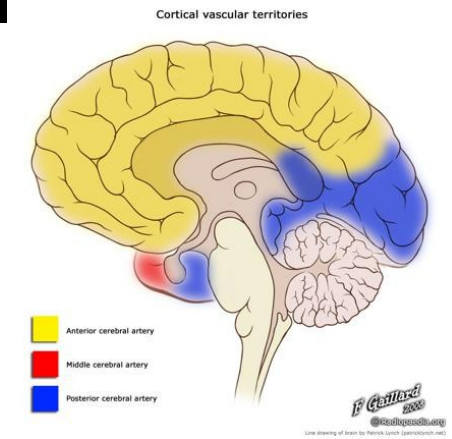
The ACA is divided into three segments:
A1: origin from the ICA to the anterior communicating artery (ACOM).
A2: from ACOM to the origin of the callosomarginal artery
A3: distal to the origin of the callosomarginal artery



ACM







The MCA is divided into M1, M2, M3 and M4 segments:

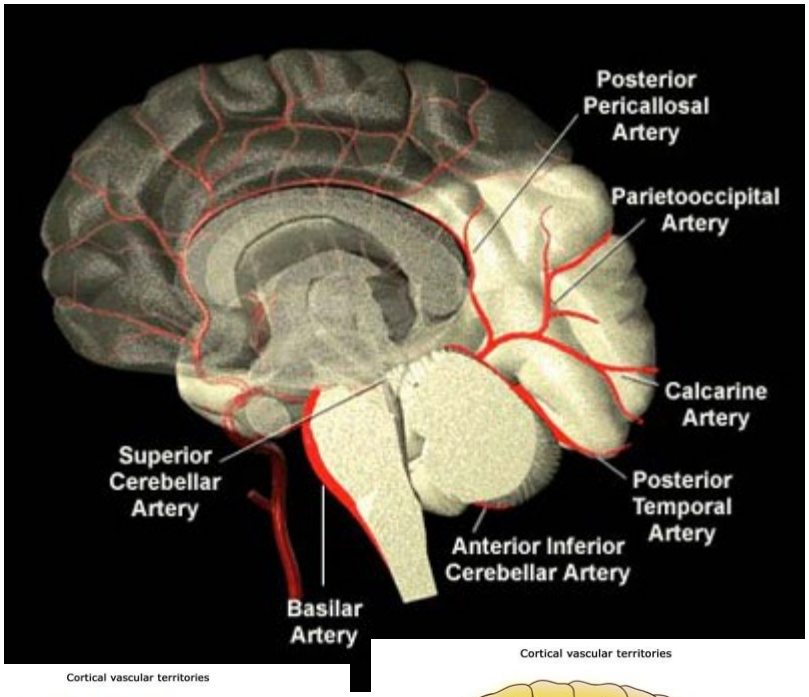
M1: from the origin to bifurcation/trifurcation (the limen insulae); also known as horizontal segment

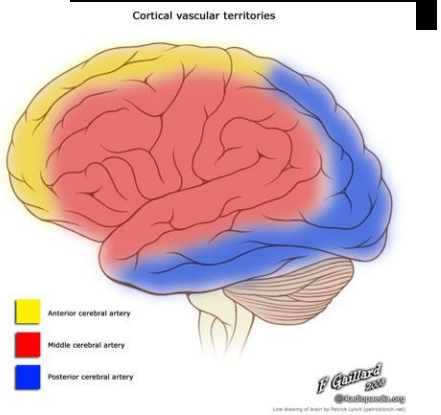
M2: from bi (tri) furcation to origin of cortical branches (circular sulcus of insula); also known as insular segment

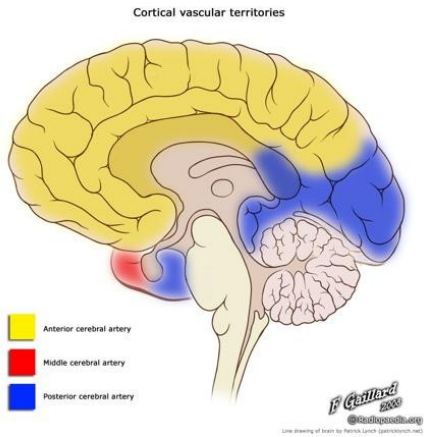
M3: opercular branches (those within the sylvian fissure); also known as opercular segment

M4: branches emerging from the sylvian fissure onto the convex surface of the hemisphere; also known as cortical segment

ACP







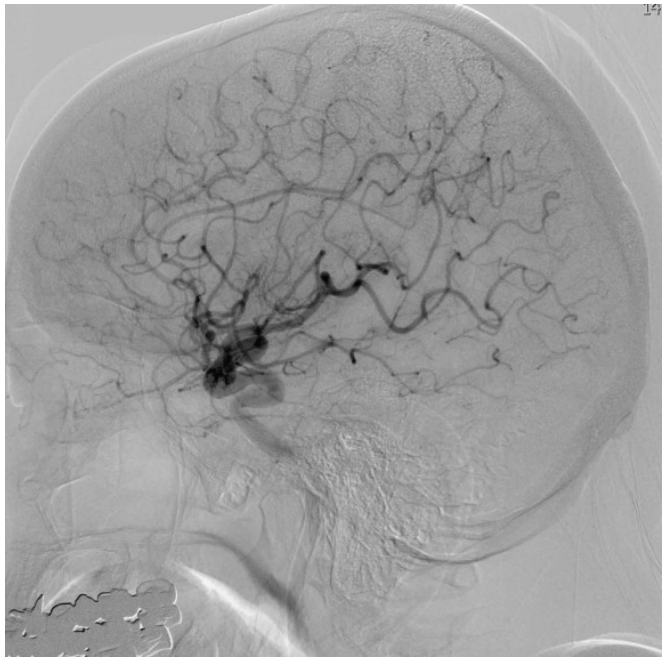
The PCA is divided into four segments named P1 to P4:

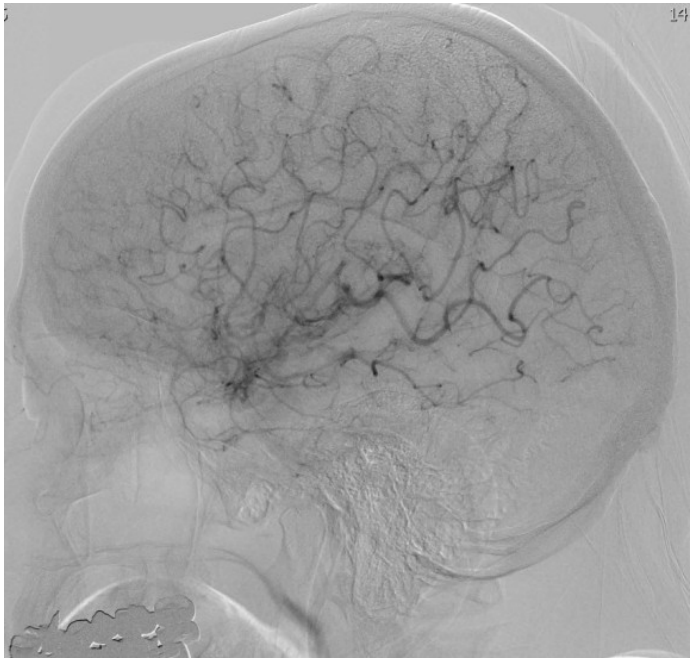
P1: from it origin at the termination of the basilar artery to posterior communicating artery (PCOM), within interpeduncular cistern.

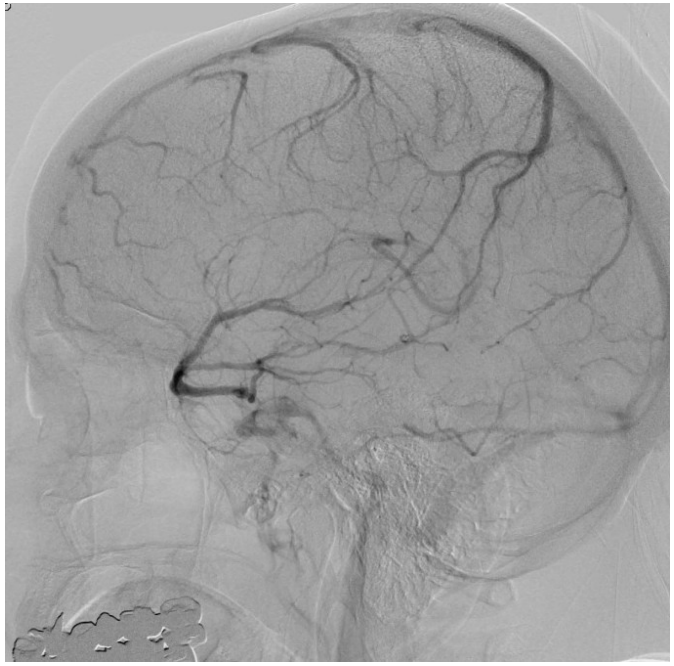
P2: from the PCOM around the mid-brain, is within crural cistern and ambient cistern

P3: quadrigeminal segment (segment with the quadrigeminal cistern)

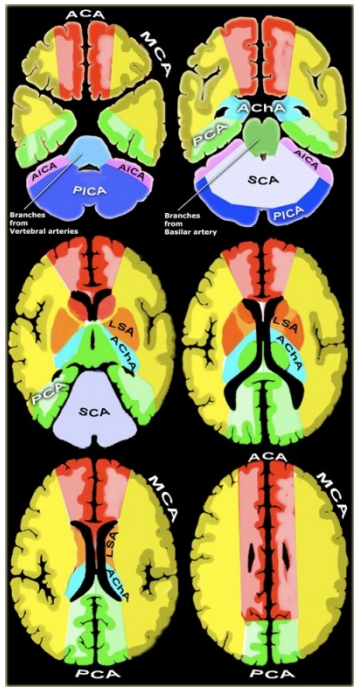
P4: cortical segment (e.g., calcarine artery, within the calcarine fissure)

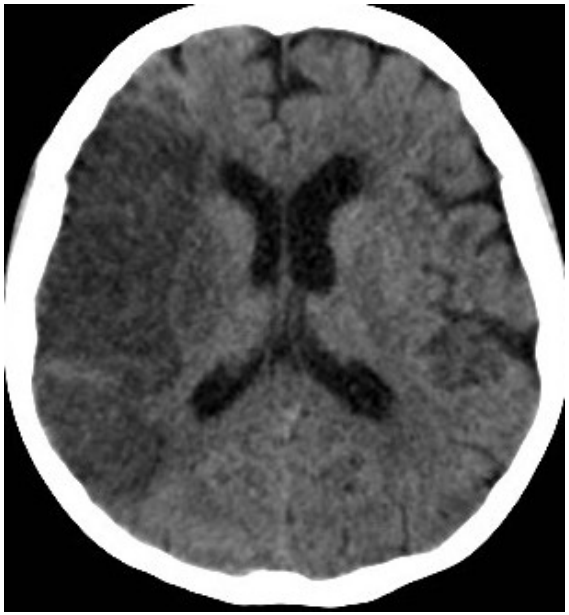


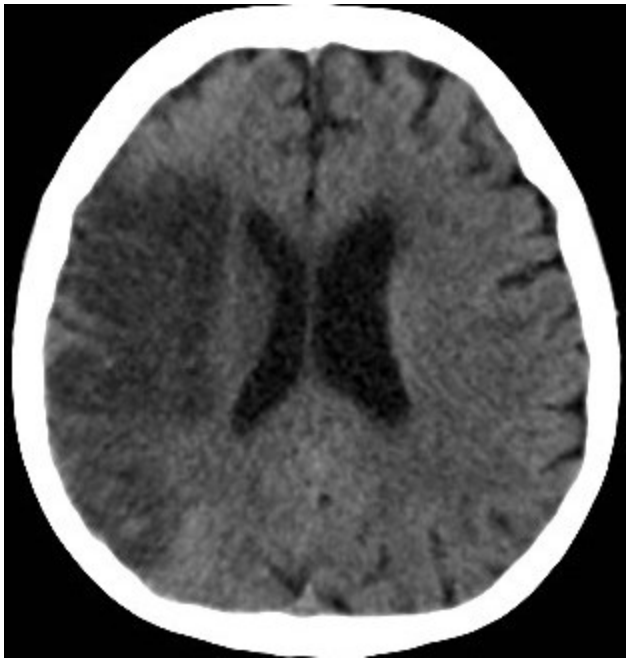




Teritoriální infarkt







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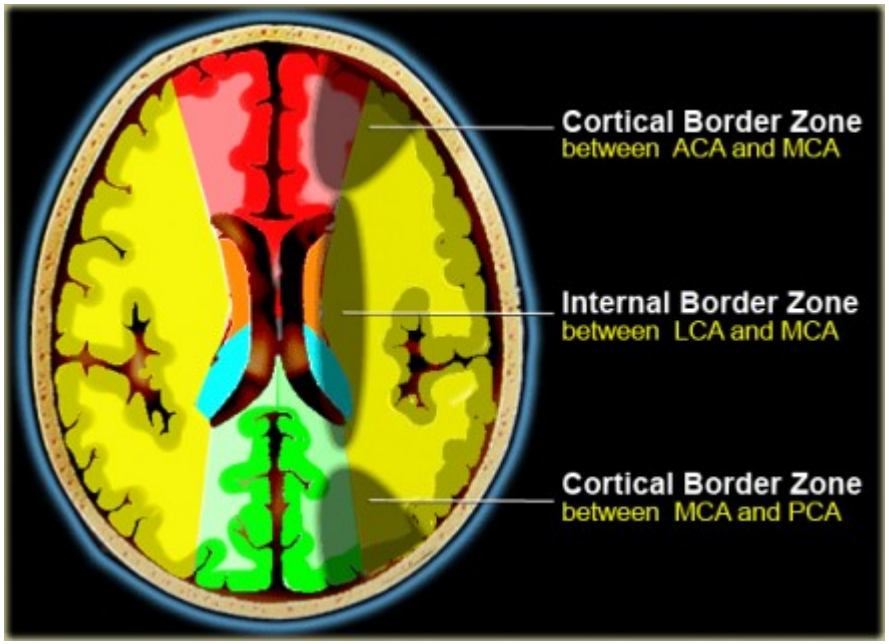
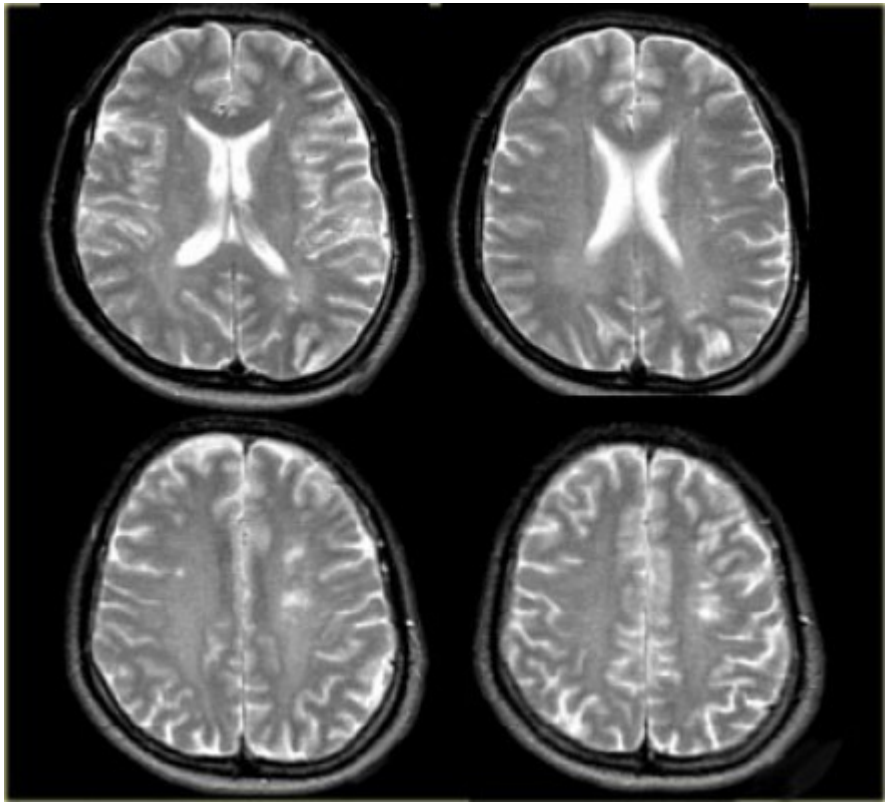
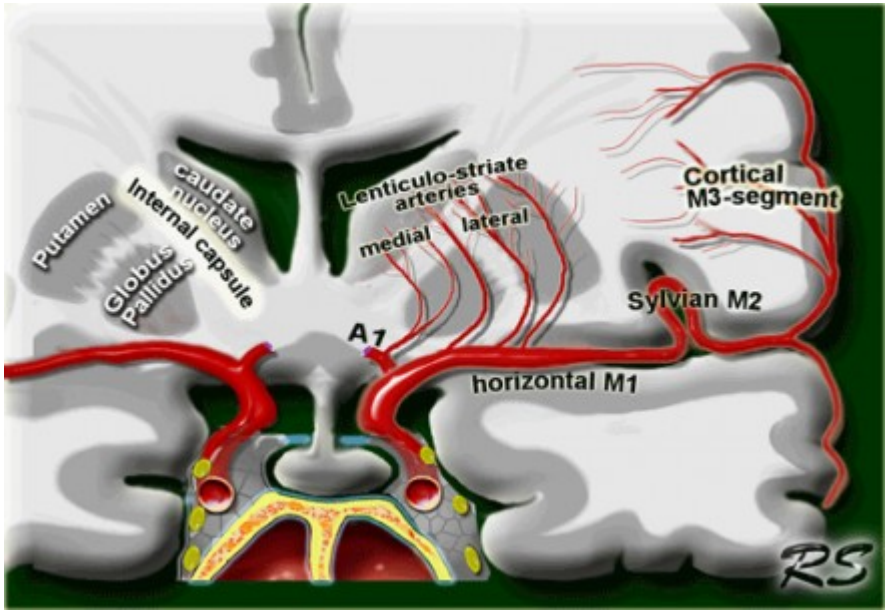
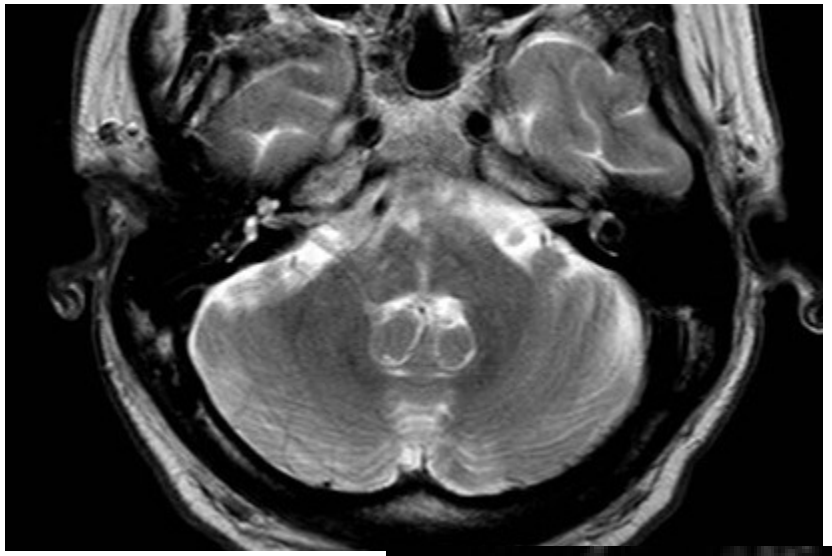
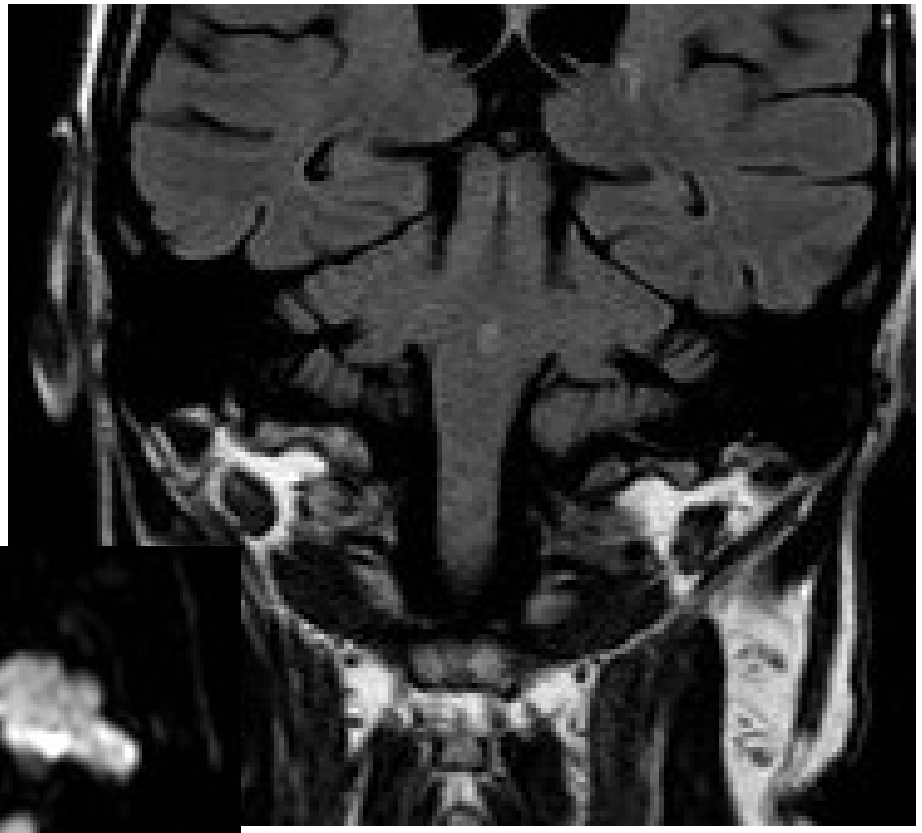


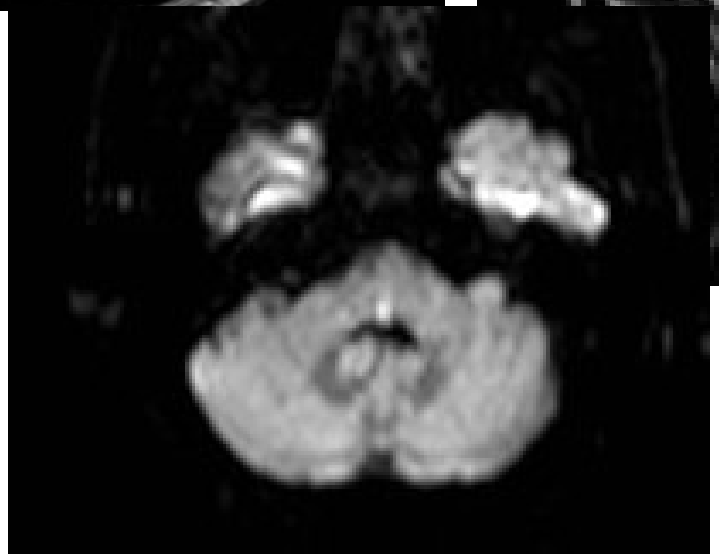


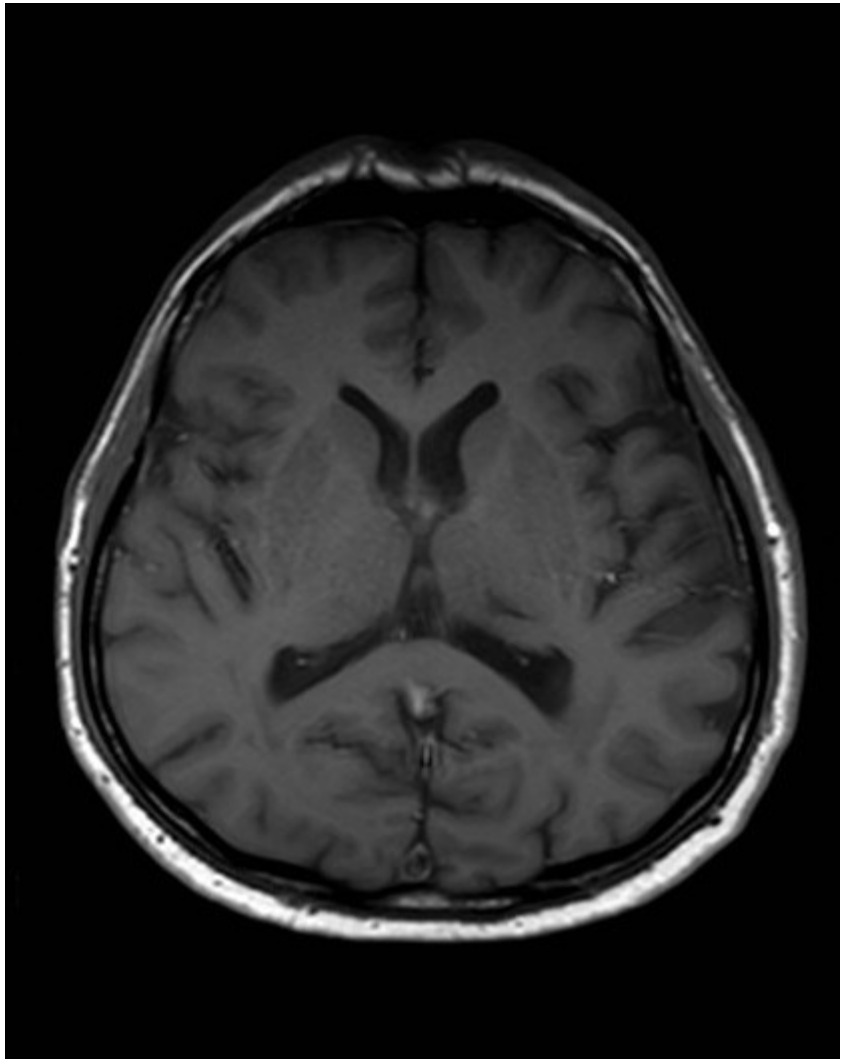
Lakunární infakrt

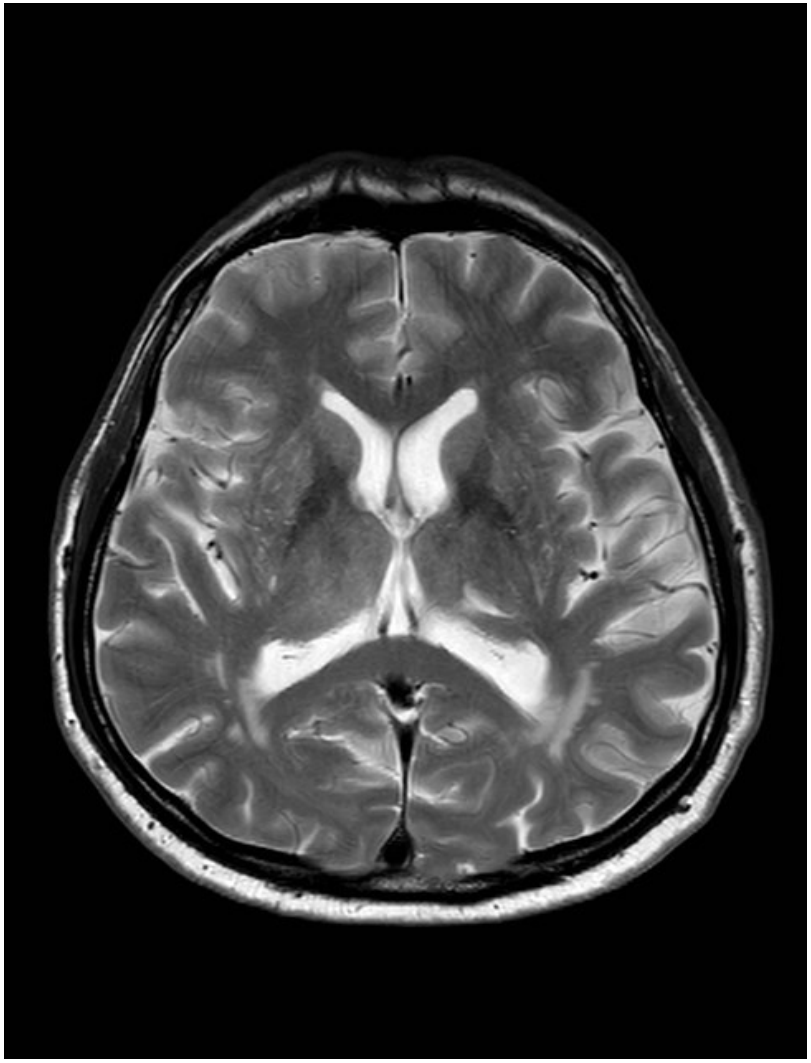












- http://www.strokecenter.org/professionals/brain-anatomy/blood-vessels-of-the-brain/
- http://www.radiologyassistant.nl/en/p484b8328cb6b2/brain-ischemia-vascular-territories.html
- http://radiopaedia.org/articles/middle-cerebral-artery