

# Brainstem sections

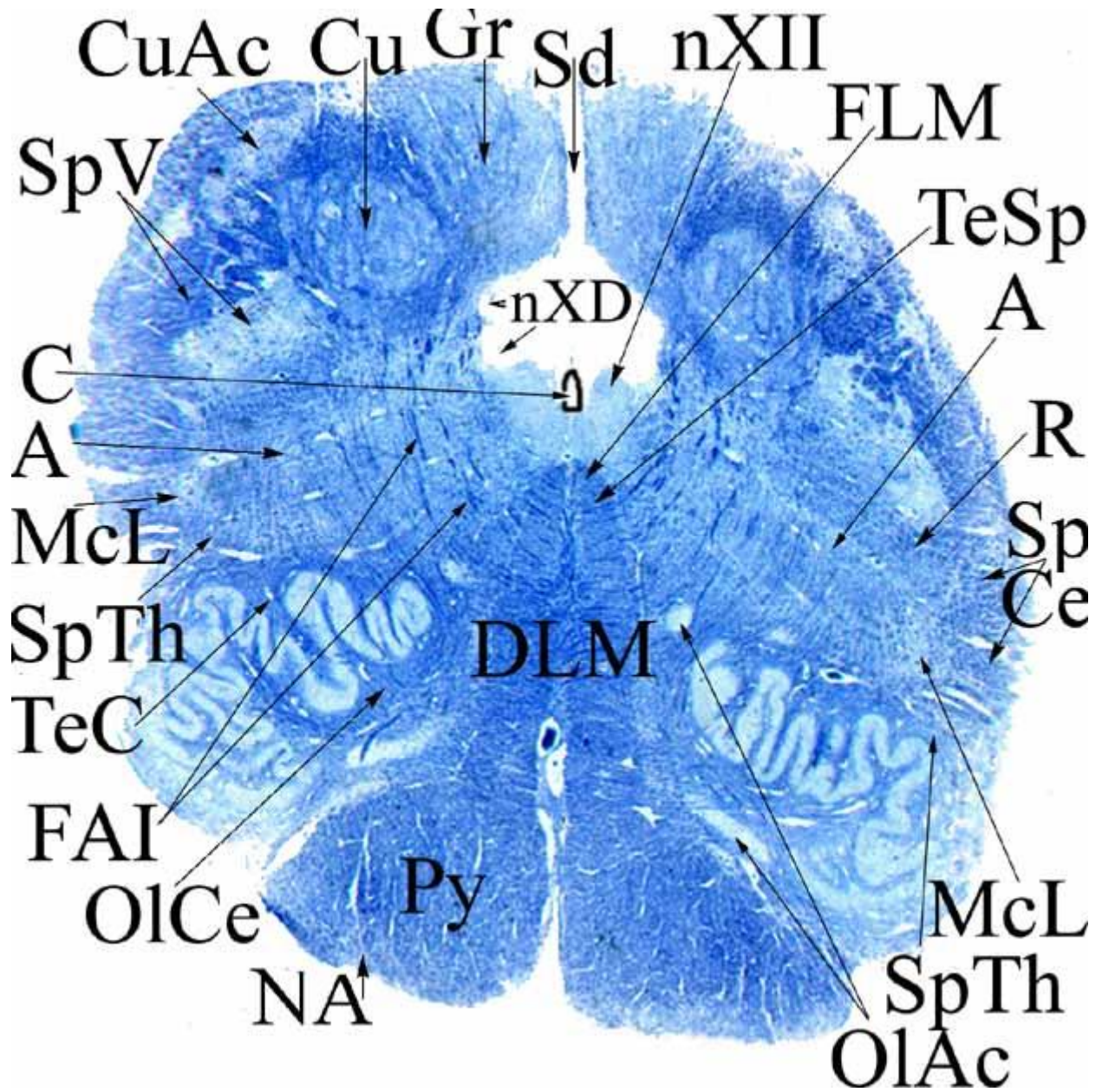
From the histology slides of the Department of Anatomy, Histology and Embryology. (Staining: Luxol-fast blue + Nissl.) The structures students have to identify on the exam are listed in the Histology Practical Manual and were taught on lectures and practicals. So these *details are signed for illustration purposes only.*

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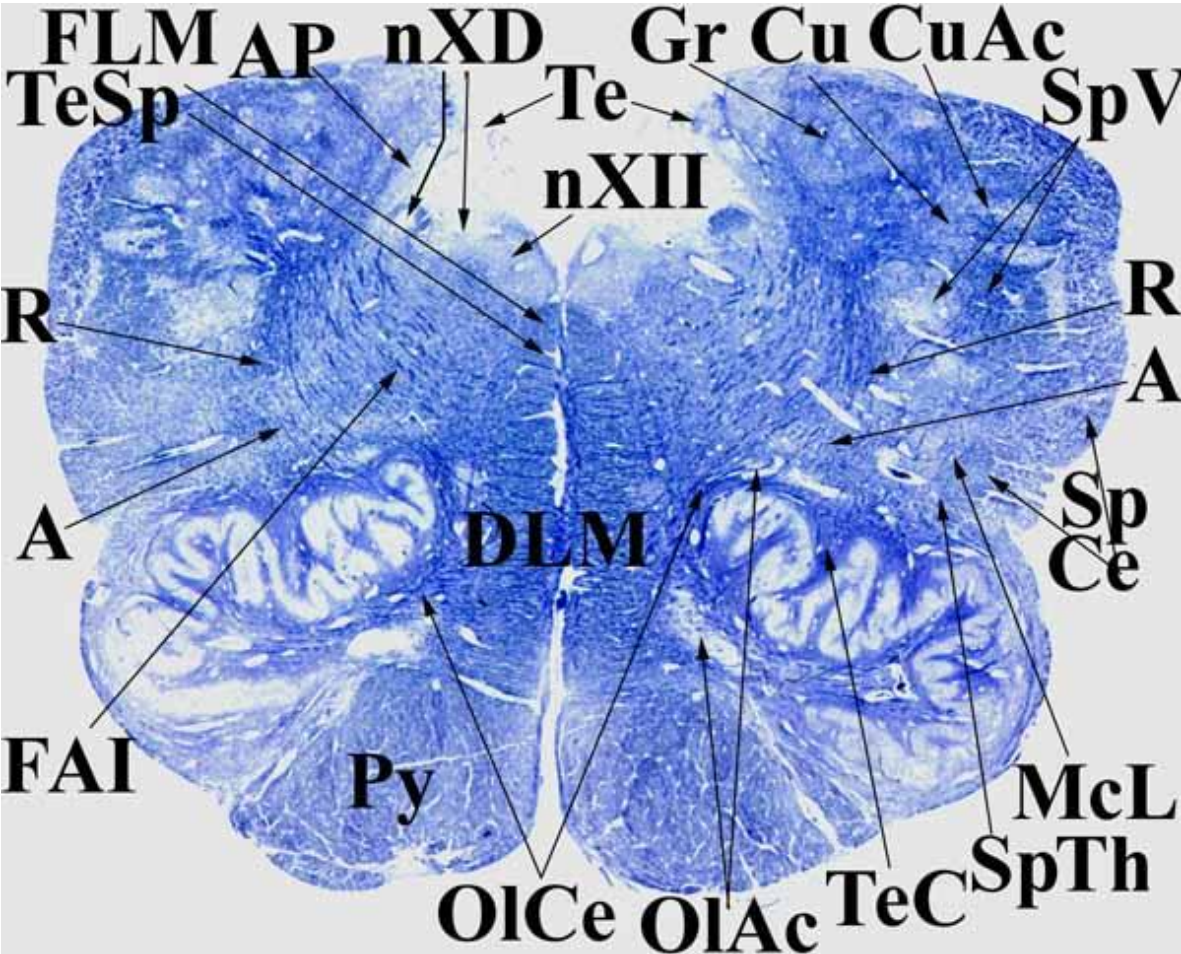
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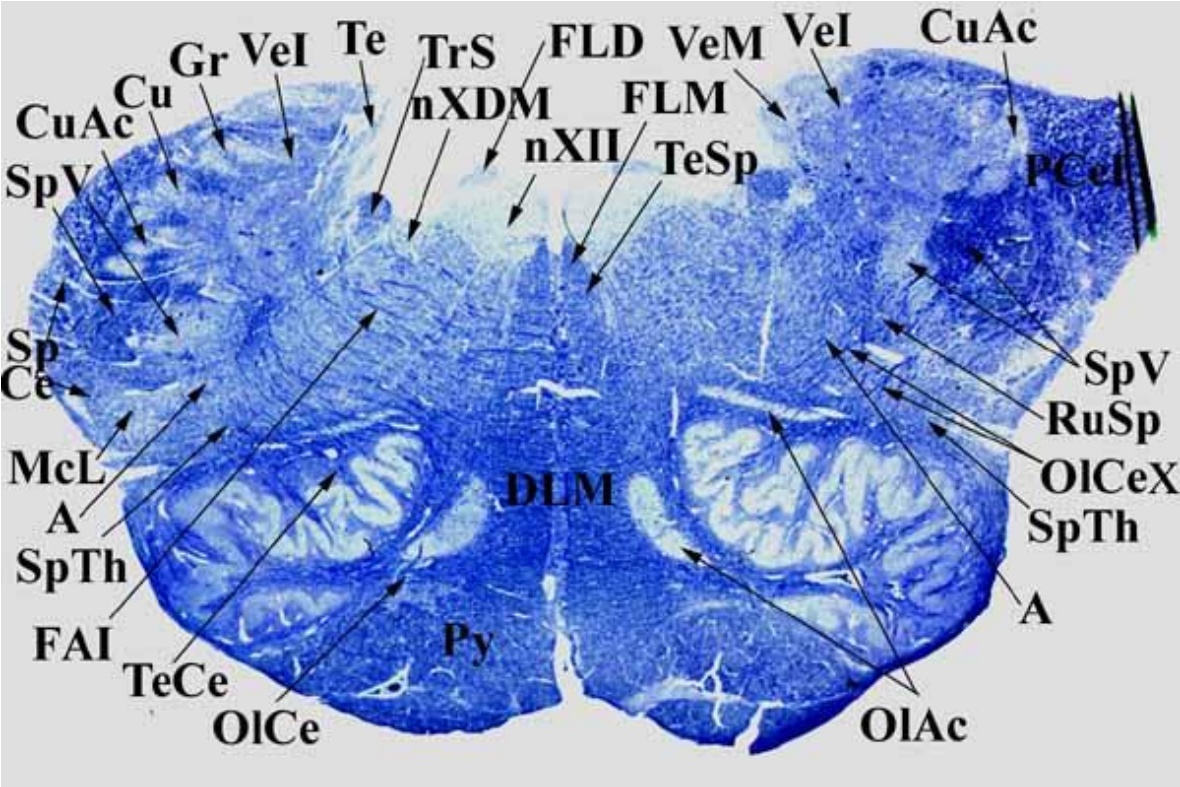
1. Medulla, closed part (the level of the section is similar to the drawing of the Histology Practical Manual).



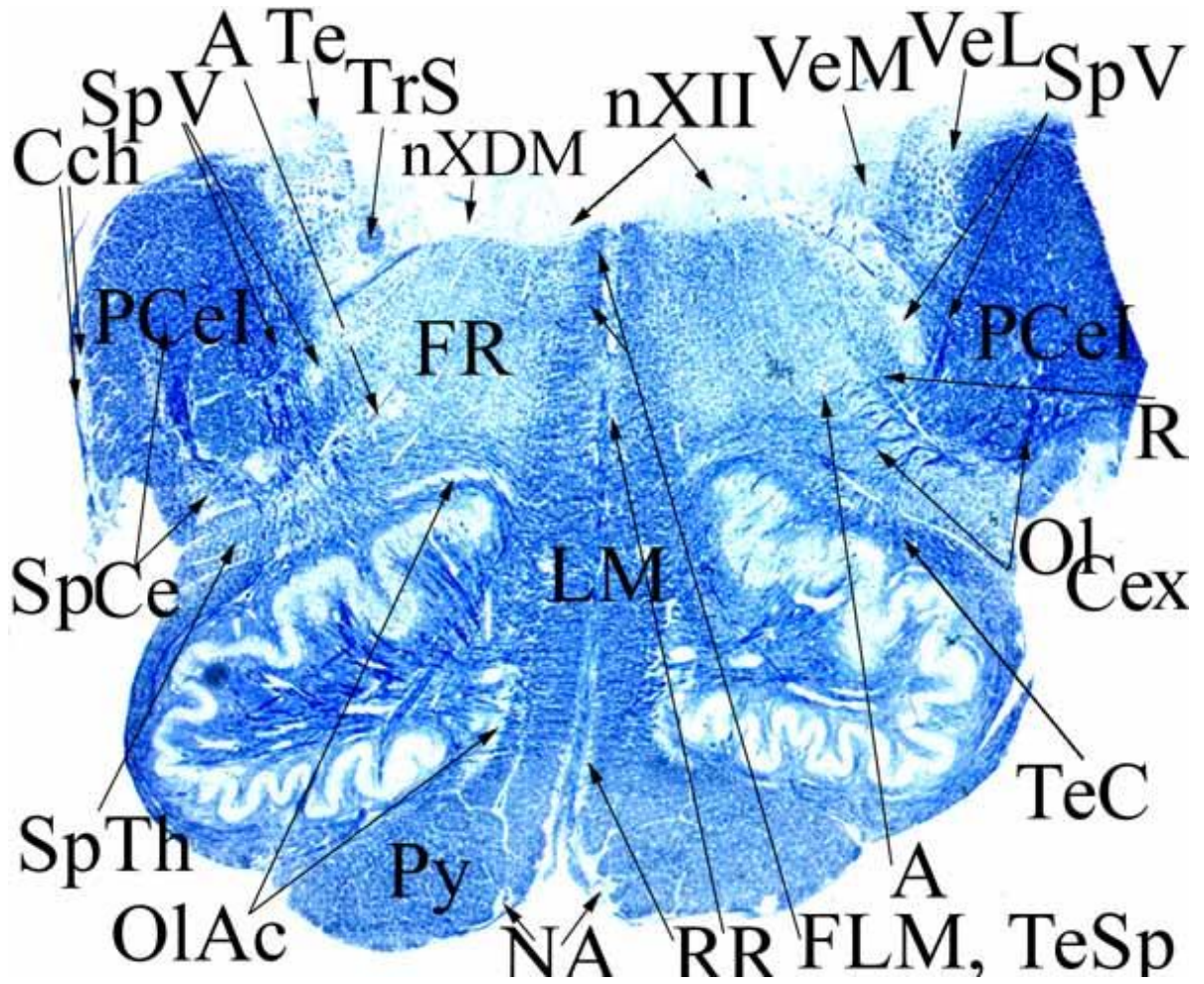
2. Medulla, open part (the level of the section is similar to the drawing of the Histology Practical Manual).



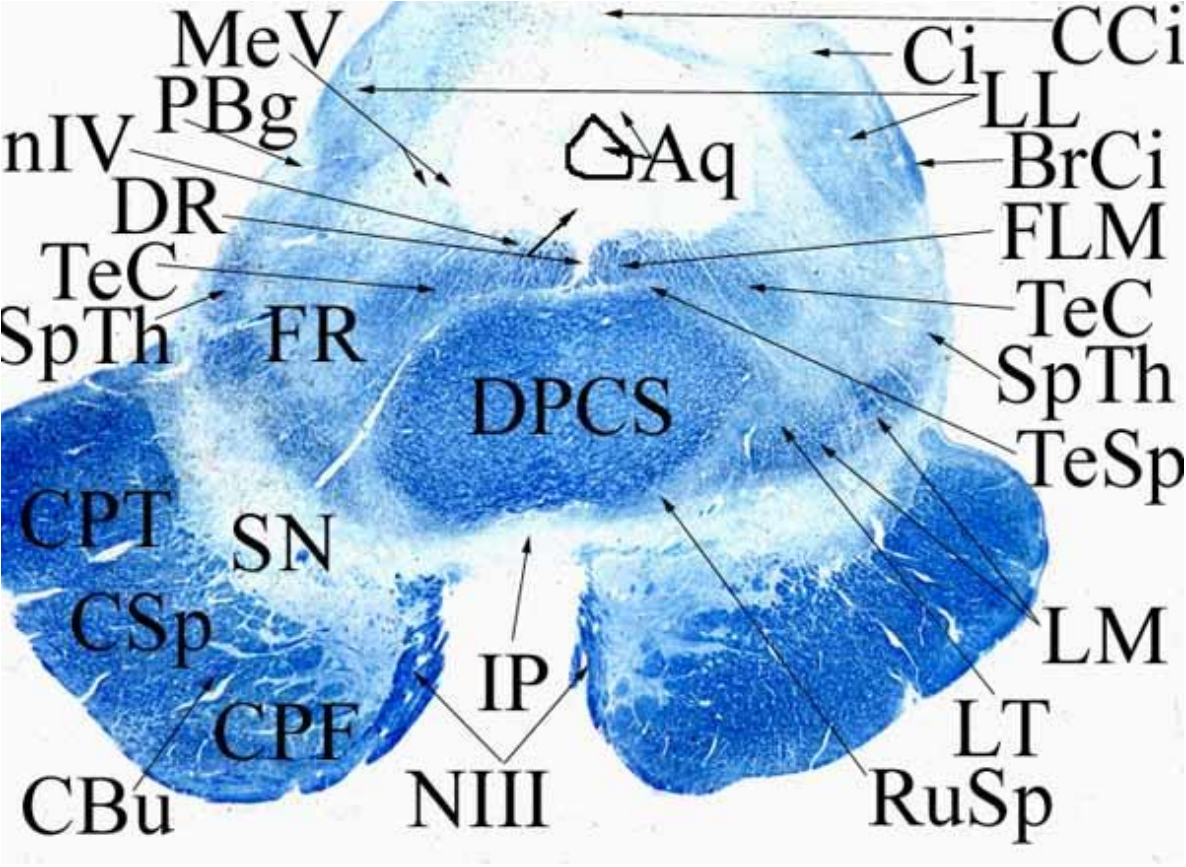
3. Medulla, open part



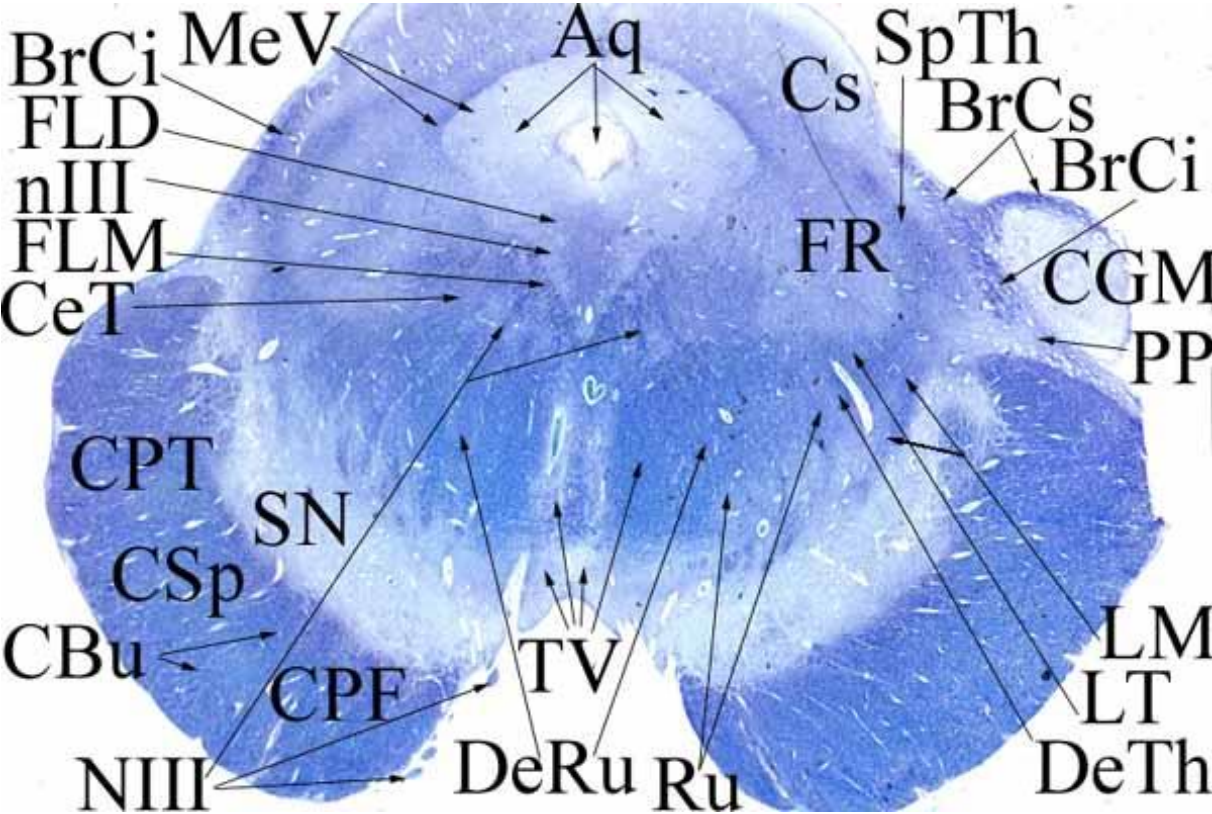
4. Medulla, open part



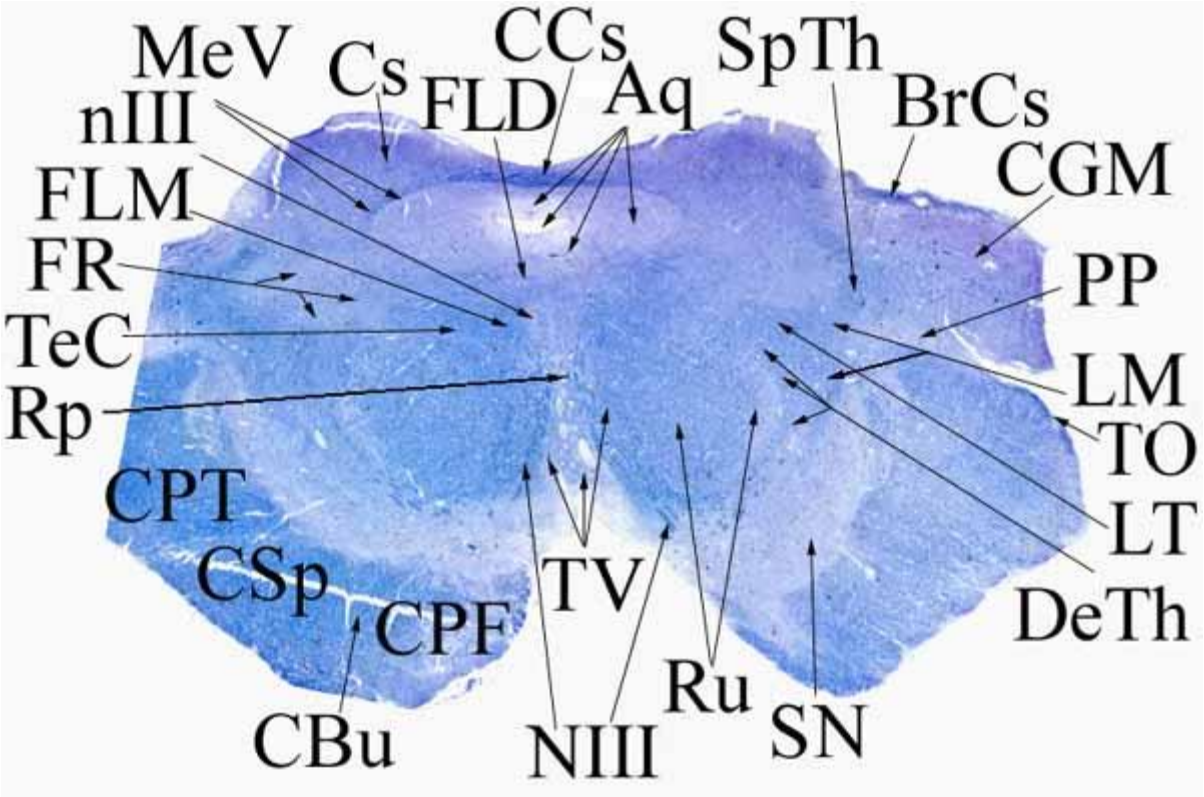
5. Mesencephalon, inf. colliculi (the level of the section is similar to the drawing of the Histology Practical Manual).



6. Mesencephalon, sup. colliculi



7. Mesencephalon, sup. colliculi (uppermost section)





## Abbreviations:

A nucleus ambiguus  
AP area postrema.  
Aq aqueductus cerebri, substantia grisea centralis.  
BrCi brachium colliculi inferioris.  
BrCs brachium colliculi superioris.

C canalis centralis  
CBu tractus corticobulbaris.  
Cch nucleus cochlearis ventralis, N. VIII.  
CCi commissura colliculi inferioris.  
CCs commissura colliculi superioris.  
CGM corpus geniculatum mediale.  
Ci colliculus inferior.  
CPF tractus frontopontinus  
CPT tractus temporoparieto-occipitopontinus.  
Cs colliculus superior.  
CSp tractus corticospinalis.  
Cu nucleus cuneatus, fasciculus cuneatus.  
CuAc nucleus cuneatus accessorius.

DeRu tractus dentatorubralis.  
DeTh tractus dentatothalamicus. DLM decussatio lemniscorum medialis.  
DPCS decussatio pedunculorum cerebellarum superiorum.  
DR nucleus raphes dorsalis.  
FAI fibrae arcuatae internae, formatio reticularis.  
FLD fasciculus longitudinalis dorsalis.  
FLM fasciculus longitudinalis medialis  
FR formatio reticularis.  
Gr nucleus gracilis, fasciculus cuneatus.  
IP nucleus interpeduncularis.

LL lemniscus lateralis.  
LM lemniscus medialis, N. XII. fibres.  
LT lemniscus trigeminalis dorsalis.  
McL nucleus magnocellularis lateralis formationis reticularis.  
MeV nucleus et tractus mesencephalici N.V.  
NA nucleus arcuatus.  
nIII nucleus N. III + Edinger-Westphal nucleus.  
nIV nucleus N. IV.  
nXD nucleus dorsalis N.X. and nucleus alae cinereae lateralis.  
nXDM only nucleus dorsalis N. X.

nXII nucleus N. XII.

OIAc nuclei accessorii olivares inferiores, dorsalis (above) and medialis (below).

OICe tractus olivocerebellaris (before decussation).

OICex tractus olivocerebellaris (after decussation).

PBg nucleus paratrigeminalis.

PeCI pedunculus cerebellaris inferior.

Py piramis, with tractus corticospinalis.

PP nucleus peripeduncularis.

R, RuSp tractus rubrospinalis.

Ra nuclei raphes mesencephalici.

RR nuclei raphes bulbares.

Ru nucleus ruber.

Sd septum dorsale.

SpCe tractus spinocerebellares, ventralis et dorsalis;

SpTh tractus spinothalamicus.

SpV nucleus és tractus spinalis N.V.

Te taenia chorioidea ventriculi quarti.

TeC fasciculus tegmentalis centralis.

TeSp tractus tectospinalis.

TrS tractus solitarius.

TO tractus opticus.

TV area tegmentalis ventralis, longest arrow: fasciculus retroflexus.

VeI nucleus vestibularis inferior.

VeL nucleus vestibularis lateralis.

VeM nucleus vestibularis medialis.