INTERNAL ANATOMY OF CEREBRAL HEMISPHERE

Frontal and parietal opercula removed, revealing the cortex of the insula.

The dissection also shows the midbrain, insula and temporal lobe removed, revealing external capsule.

Anterior part of external capsule removed, revealing the putamen of the lentiform nucleus.

(Other brain stem landmarks can also be seen.)
Some projection fibres are shown in this dissection.

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Corpus callosum
(frontal forceps)
(genu)

Lateral ventricle
(frontal horn of)

3rd ventricle

Temporal horn of lateral ventricle

Horizontal section at the level of the insula

Corpus callosum
(frontal forceps)
(genu)

Head of caudate nucleus

Lentiform nucleus

CAUDATE and LENTIFORM NUCLEI =
CORPUS STRIATUM

Corpus callosum
(frontal forceps)
(genu)

Capsules:

External

Internal:

Anterior limb

Posterior limb

Genu

The internal capsule carries most of the axons that go to and from the cerebral cortex.
Hypothalamus and surrounding landmarks

Some midline landmarks of lateral and third ventricle.