

## **Telencephalon**

Lobus frontalis (motor)  
Lobus parietalis (somatosensory and taste)  
Lobus occipitalis (vision)  
Lobus temporalis (hearing)  
Lobus insulae

Frontal, parietal, temporal and occipital pole  
Facies superolateralis  
Facies inferior  
Facies medialis

### **Sulci et gyri**

Sulcus frontalis superior  
Sulcus frontalis inferior  
Sulcus lateralis (ramus anterior, ascendens, posterior)  
Sulcus centralis  
Sulcus praecentralis  
Sulcus postcentralis  
Sulcus interparietalis  
Sulcus temporalis superior  
Sulcus temporalis inferior  
Sulcus parietooccipitalis  
Sulcus transversus occipitalis  
Sulcus circularis (limen insulae)  
Incisura praeoccipitalis  
Gyrus: frontalis superior, frontalis medius, frontalis inferior (pars orbitalis, triangularis, opercularis), praecentralis, postcentralis, supramarginalis, angularis, temporalis superior, temporalis inferior, occipitalis superior, occipitalis lateralis, longus insulae, breves insulae  
Lobulus parietalis superior et inferior  
Lobus paracentralis  
Sulcus corporis calosi, cinguli, hippocampi, parietooccipitalis, calcarinus  
Area subcallosa  
Gyrus paraterminalis  
Uncus  
Gyrus parahippocampalis  
Gyrus occipitotemporalis lateralis  
Gyrus occipitotemporalis medialis (lingualis)  
Cuneus  
Praecuneus  
Gyrus cinguli

„Gyrus limbicus“ – gyrus cinguli, isthmus gyri cinguli, gyrus hippocampi, uncus gyri hippocampalis  
Lamina terminalis, gyrus paraterminalis and area subcallosa

**Commissura anterior** – in front of columnae fornicis and lamina terminalis  
(joins structures of olfactory system, neocortical structures and temporal lobe)

## **Corpus callosum**

Rostrum

Genu

Truncus

Splenium

Striae longitudinales mediales and laterales and indusium griseum (on the surface of corpus callosum)

**Septum pellucidum** (between corpus callosum and fornix)

lamina septi pellucidi

cavum septi pellucidi

## **Fornix**

corpora mamillaria

pars tecta and pars libera columnae fornicis

corpus

commissura fornicis

crura fornicis

fimbria hippocampi

## **Structure of telencephalon**

### **Gray matter**

Basal ganglia

Cortex

### **White matter - pathways**

Projection

Commissural

Association

## **Cerebral cortex**

### **ALLOCORTEX**

3-4 layers

a) **palleocortex = pallium (rhinencephalon)**

b) **archicortex**

### **NEOCORTEX**

6 layers

**Basal ganglia** (participate in the control of movements)

**Ncl. caudatus**

**Putamen**

**globus pallidus**

**claustrum**

**corpus amygdaloideum**

+

According to the function: **substantia nigra** and **ncl. subthalamicus**

Globus pallidus + putamen = **ncl. lentiformis**

Ncl. caudatus + putamen = **neostriatum/striatum**

Corpus amygdaloideum = **archistriatum**

Globus pallidus = **paleostriatum/pallidum**