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| **Central nervous system** |
| **Substantia alba** |
| Tractus et fasciculus |
| Afferent and efferent |
| Ascending anddescending |
| **Substantia grissea** |
| **Functional zones:** sensory, somatosensory, viscerosensory, visceromotor, somatomotor, branchiomotor |
| **Medulla spinalis** |
| Fissura mediana anterior |
| Sulcus medianus posterior, anterolateralis et posterolateralis |
| Intumescentia cervicalis et lumbosacralis |
| Cauda equina |
| Conus medullaris |
| Canalis centralis |
| Cornu posterius, anterius, laterale |
| Substantia gelatinosa Rolandi |
| Nucleus proprius |
| Nucleus thoracicus posterior (Stilling-Clark) |
| Nuclei motorii |
| Nucleus intermediomedialis et intermediolateralis |
| Fasciculus gracilis et cuneatus |
| Tractus spinothalamicus |
| Tractus spinotectalis |
| Tractus spinoreticularis |
| Tractus spinocerebellaris posterior et anterior |
| Tractus corticospinalis lateralis et anterior |
| Tractus tectospinalis |
| Tractus vestibulospinalis |
| Tractus reticulospinalis |
| Tractus rubrospinalis |
| **Brainstem, Medulla oblongata** |
| Fissura mediana anaterior |
| Sulcus medianus posterior |
| Sulcus lateralis anterior et posterior |
| Pyramis |
| Decussatio pyramidum |
| Oliva |
| Tuberculum gracile et cuneatum |
| **Brainstem, Pons** |
| Sulcus basilaris |
| **Brainstem, Mesencephalon** |
| Crus (Pedunculus) cerebri |
| Fossa interpeduncularis |
| Tectum mesencephali |
| Colliculus inferior et superior |
| Brachium colliculi inferioris et superioris |
| Nucleus gracilis, cuneatus, cuneatus accessorius |
| Nucleus spinalis, principalis, mesencephalicus n. trigemini |
| Nucleus vestibularis lateralis, medialis, superior et inferior |
| Nucleus cochlearis dorsalis et ventralis |
| Nucleus colliculi inferioris et superioris |
| Nucleus solitarius |
| Nucleus parasympathicus (posterior) n. vagi |
| Nucleus parasympathicus n. glossopharyngei (nucleus salivatorius inferior) |
| Nucleus parasympathicus n. facialis (nucleus salivatorius superior) |
| Nucleus parasympathicus n. oculomotorii (Edinger-Westphal) |
| Nucleus originis n. hypoglossi, oculomotorii, trochlearis, abducentis |
| Nucleus originis n. trigemini, facialis, glossopharyngei, vagi, accessorii, |
| Area praetectalis |
| Nucleus ruber |
| Substantia nigra (Pars compacta et reticularis) |
| Nucleus interpeduncularis |
| Nucleus interstitialis Cajali |
| Nucleus Darkschewitschi |
| Nuclei pontis |
| **Formatio reticularis** |
| Rafeal, medial and lateral group |
| Nucleus raphes magnus |
| Nucleus gigantocellularis |
| Tractus raphespinalis |
| Tractus reticulothalamicus |
| Tractus spinalis nervi trigemini |
| Tractus bulbocerebellaris |
| Tractus cuneocerebellaris |
| Tractus vestibulocerebellaris |
| Tractus corticopontinus |
| Tractus pontocerebellaris |
| Tractus trigeminothalamicus |
| Lemniscus medialis et lateralis |
| Tractus bulbothalamicus |
| Corpus trapezoideum |
| **Cerebellum** |
| Vermis cerebelli et hemispherium |
| Lobus anterior et posterior |
| Pars flocculonodularis |
| Fissura prima et posterolateralis |
| Cortex cerebelli (folia cerebelli) |
| Aferentation of median, paramedial and lateral zone of the cortex |
| Nuclei fastigii, globosi, emboliformes |
| Nucleus dentatus |
| Vestibulocerebellum, spinocerebellum, pontocerebellum |
| Pedunculus cerebellaris inferior, medius, superior |
| **Diencephalon** |
| ***Thalamus*** |
| Pulvinar thalami |
| Sulcus hypothalamicus |
| Adhesio interthalamica |
| Corpus geniculatum mediale et laterale |
| Taenia thalami et choroidea |
| Lamina medullaris interna et externa |
| Nuclei anteriores thalami |
| Nuclei intralaminares (nucleus centromedianus) |
| Nucleus reticularis thalami |
| Nucleus ventralis posterolateralis et posteromedialis |
| Nucleus corporis geniculati lateralis et medialis |
| ***Functional division of the thalamus nucleis*** |
| **Hypothalamus** |
| Infundibulum |
| Tuber cinereum |
| Corpus mamillare |
| ***Nuclei of the anterior hypothalamus*** |
| Nucleus suprachiasmaticus, preopticus, supraopticus |
| Nucleus paraventricularis |
| Nucleus anterior |
| ***Nuclei of the middler hypothalamus*** |
| Nucleus arcuatus |
| Nuclei tuberales |
| ***Nuclei of the posterior hypothalamus*** |
| Nucleus posterior hypothalami |
| Nucleus mamillaris |
| **Hypophysis** |
| Adenohypophysis and neurohypophysis |
| Eminentia mediana |
| Processus infundibularis (infundibular connection) |
| Principle of neurosecretion |
| Tractus hypothalamo-hypophysialis |
| Pituitary portal system |
| **Subthalamus** |
| **Epiphysis** |
| Stria medullaris thalami |
| Trigonum habenulae |
| Commissura habenularum |
| **Telencephalon** |
| Haemispherium dextrum et sinistrum |
| Fissura longitudinalis cerebri |
| Facies inferior, medialis, superolateralis |
| Sulcus centralis et lateralis |
| Fossa lateralis |
| **Lobus frontalis** |
| Sulcus frontalis superior et inferior |
| Sulcus precentralis |
| Sulcus olfactorius |
| Gyrus frontalis superior, medius, inferior |
| Gyrus precentralis, rectus, paraterminalis |
| Gyri orbitales |
| Area subcallosa |
| **Lobus parietalis** |
| Sulcus postcentralis et intraparietalis |
| Gyrus postcentralis |
| Lobulus parietalis superior et inferior |
| Gyrus supramarginalis et angularis |
| Precuneus |
| **Lobus temporalis** |
| Sulcus temporalis superior et inferior |
| Sulcus occipitotemporalis |
| Sulcus collateralis |
| Sulcus hippocampi |
| Hippocampus |
| Gyrus temporalis superior, medius, inferior |
| Gyrus occipitotemporalis lateralis |
| Gyrus parahippocampalis |
| Uncus gyri parahippocampalis |
| **Lobus occipitalis** |
| Sulcus calcarinus |
| Gyri occipitales |
| Cuneus |
| **Lobus insularis** |
| Gyrus cinguli |
| Gyrus dentatus |
| **Septum pellucidum** |
| Laminae et cavum septi pellucidi |
| **Basic Brodmann´s areas of cortex** |
| **Basal ganglia** |
| Dorsal and ventral pallidum |
| Globus pallidus, pars lateralis et medialis |
| Dorsal and ventral striatum |
| Nucleus caudatus, caput, corpus, cauda |
| Putamen |
| Nucleus accumbens |
| Claustrum |
| **Basal forebrain** |
| Nucleus basalis Meynerti |
| **Association, commissural and projection fascicles** |
| Fasciculus longitudinalis superior et inferior |
| Fasciculus occipitofrontalis superior et inferior |
| Fasciculus uncinatus |
| Fasciculi occipitales verticales |
| **Capsula interna** |
| Crus anterius et posterius, genu |
| Tractus thalamocorticalis |
| Tractus fronto-, temporo-, parieto-, occipito-pontinus |
| Tractus corticonuclearis et corticospinalis |
| Tractus corticoreticularis et corticorubralis |
| Radiatio optica et acustica |
| **Capsula externa et extrema** |
| **Corpus callosum** |
| Rostrum, genu, truncus, splenium |
| Forceps frontalis et occipitalis |
| **Fornix** |
| Columna, corpus et crus fornicis |
| Fimbria hippocampi |
| **Commissura anterior, posterior, fornicis** |
| **Supply of the CNS** |
| A. carotis interna |
| A. ophthalmica |
| A. hypophysialis superior et inferior |
| A. choroidea anterior et posterior |
| A. cerebri anterior, media, posterior |
| A. communicans posterior et anterior |
| A. vertebralis |
| A. spinalis anterior et aa. spinales posteriores |
| A. cerebellaris inferior posterior et anterior, superior |
| A. basilaris |
| Circulus arteriosus cerebri (circulus Willisi) |
| Vv. cerebri superiores et inferiores |
| V. magna cerebri |
| V. basalis |
| V. interna cerebri |
| Sinus sagittalis superior et inferior |
| Sinus rectus |
| Sinus transversus |
| Sinus occipitalis |
| Confluens sinuum |
| Sinus sigmoideus |
| Sinus cavernosus |
| Sinus sphenoparietalis |
| Sinus petrosus superior et inferior |
| **Meninges of the CNS** |
| Dura mater spinalis et cranialis |
| Arachnoidea mater spinalis et cranialis |
| Pia mater spinalis et cranialis |
| Ligamenta denticulata |
| Falx cerebri |
| Tentorium et falx cerebelli |
| Incisura tentorii |
| Diaphragma sellae |
| Granulationes arachnoideales |
| Spatium epidurale, subdurale, subarachnoideum |
| Cisterna cerebellomedullaris |
| Cisterna fossae lateralis cerebri |
| Cisterna interpeduncularis |
| Cisterna chiasmatis |
| Cisterna ambiens |
| Cisterna lumbalis |
| **Ventriculus quartus** |
| ***Fossa rhomboidea*** |
| Sulcus medianus et limitans |
| Eminentia medialis |
| Trigonum nervi hypoglossi et vagi |
| Velum medullare superius et inferius |
| Plexus choroideus ventriculi quarti |
| Apertura mediana et apertura lateralis ventriculi quarti |
| Area vestibularis |
| Colliculus facialis |
| Striae medullares |
| Fastigium |
| **Aqueductus cerebri** |
| **Ventriculus tertius** |
| Lamina terminalis |
| Recessus supraopticus, infundibuli, pinealis, suprapinealis |
| **Ventriculi laterales** |
| Foramen interventriculare |
| Lamina affixa |
| Cornu frontale, occipitale, temporale |
| Pars centralis |