

**Table A. Gross Anatomical Features of the Rat CNS**

**BASIC SUBDIVISIONS**

Central Nervous System (CNS)

Brain [encephalon] (BR)

Cerebrum [cerebral hemispheres, endbrain, telencephalon] (CH)

Cerebral cortex (CTX)

Layers 1-6a [cortical plate] (CTXpl)

cingulate region (CNG)

frontal region (FRO)

hippocampal formation (HPF)

insular region (INS)

occipital region (OCC)

parietal region (PTL)

prefrontal region (PFR)

rhinal region (RHI)

temporal region (TE)

Layer 6b [layer 7, subplate, deep cortex] (CTXsp)

Basal nuclei [basal ganglia] (BG)

Striatum (STR)

Pallidum (PAL)

Cerebellum [cerebellar hemispheres, parencephalon] (CB)

Cerebellar cortex (CBX)

Anterior lobe (ALC)

Posterior lobe (PLC)

Flocculonodular lobe (FNL)

Deep cerebellar nuclei (DNC)

Brainstem (BS)

Interbrain [diencephalon] (IB)

Epithalamus (EPI)

Dorsal thalamus (DOR)

    anterior thalamic nuclei (ATN)

    geniculate nuclei (GEN)

    intralaminar nuclei (ILM)

    lateral thalamic nuclei (LAT)

    medial thalamic nuclei (MED)

    midline thalamic nuclei (MID)

    ventral thalamic nuclei (VENT)

Ventral thalamus (VNT)

Hypothalamus (HY)

    periventricular zone (PVZ)

    medial zone (MEZ)

        preoptic level, hypothalamus (PRO)

        anterior level, hypothalamus (ANT)

        tuberal level, hypothalamus (TUB)

        mammillary level, hypothalamus (MAM)

lateral zone (LZ)

Midbrain [mesencephalon] (MB)

Tectum (TC)

Tegmentum (TG)

Pretectal region (PRT)

Hindbrain [rhombencephalon] (HB)

Pons [metencephalon] (P)

Medulla [myelencephalon] (MY)

Spinal cord [medulla spinalis] (SP)

Cervical level, segments 1-8 (SP-C1-8)

Thoracic level, segments 1-13 (SP-T1-13)

Lumbar level, segments 1-6 (SP-L1-6)

Sacral level, segments 1-4 (SP-S1-4)

Coccygeal level, segments 1-3 (SP-Co1-3)

## **GROOVES**

Cerebral cortex

endorhinal groove (eg) [1]

hippocampal fissure (hf)

rhinal fissure (rf)

rhinal incisure (ri) [1]

Cerebellar cortex [2]

precentral fissure (pce)

precentral fissure a (pcea)

precentral fissure b (pceb)\*

intracentral fissure 2 (ice2)

caudal intracentral fissure (icec)\*

preculminate fissure (pcf)

intraculminate fissure 1 (icu1)

posterodorsal intraculminate fissure (icupd)\*

primary fissure (pri)

declival fissure 2 (def2)

posterior superior fissure (psf)

prepyramidal fissure (ppf)

pyramidal fissure (pyf)\*

secondary fissure (sec)

uvular fissure 1 (uf1)

posterolateral fissure (plf)

nodular fissure (nf)\*

simple fissure (sif)\*

crus 1 fissures 1-3 (cr1f1-3)

intercrural fissure (icf)

crus 2 fissure (cr2f)\*

ansoparamedian fissure (apf)

intraparafloccular fissure (ipf)

paramedian sulcus (pms)

parafloccular sulcus (pfs)

## **GLANDS**

Pineal gland (PIN) [3]

pineal stalk (PIS)

Pituitary gland (PIT) [4]

median eminence (ME)

external lamina (MEex)

internal lamina (MEin)

infundibulum (INF)

external lamina (INFex)

internal lamina (INFin)

anterior lobe (AL)

intermediate lobe (IL)

neural lobe (NL)

## **VENTRICULAR SYSTEM (VS)**

Lateral ventricle (VL)

rhinocele (RC) [5]

subependymal zone (SEZ) [6]

Interventricular foramen (IVF)

Third ventricle (V3)

preoptic recess (V3p)

periventricular recess (V3r) [7]

infundibular recess (V3ir)

mammillary recess (V3m)

Cerebral aqueduct (AQ)

collicular recess (AQc)

subcommissural organ (SCO) [8]

Fourth ventricle (V4)

median aperture (MAP)

lateral aperture (LAP)

lateral recess (V4r)

rostral medullary velum (RMVE) [9]

caudal medullary vellum (CMVE)[9]

Central canal (C)

Choroid plexus (chp)

choroid fissure (chf)

Velum interpositum (VIP)

## **MISCELLANEOUS**

central gray (CG)

cerebellar cortex, hemisphere (CBXh)

cerebellar cortex, vermis (CBXv)

frontal pole (FRP)

hemispheric region, telencephalon (HEMR)

limbic region, telencephalon (LIM)

occipital pole (OCP)

temporal pole (TEP)

**Table A Annotations**

- 1 Craigie 1925.
- 2 Larsell 1952, 1970; Voogd 1995; Voogd et al. 1996. We have named several fissures, indicated by an asterisk (\*), not named in the aforementioned works.
- 3 Ariens Käppers 1960.
- 4 Schwind 1928; Daniel and Prichard 1975; Hebel and Stromberg 1986.
- 5 The obliterated olfactory extension of the lateral ventricle (Craigie 1925).;
- 6 Privat and Leblond 1972; Bayer et al. 1991.
- 7 D.A. Brittain and L.W. Swanson (personal observations).
- 8 Wislocki and Leduc 1954.
- 9 Voogd 1995.