

Note: Disregard page numbers (highlighted in yellow), they have changed in this reformatting (there are few page numbers, and topics are easy to find in the text).

Index

Boldface numbers refer to Atlas Levels. *Italic* numbers refer to Development Figures. Items with no numbers may be found in the Nomenclature Tables. Numbers for Atlas Levels indicate that a structure is present, whether or not it is labeled in the drawing.

A1 [Dahlström and Fuxe], see paraventricular reticular nucleus, lateral part

A2 [Dahlström and Fuxe], see nucleus of the solitary tract, medial part

A4 [Dahlström and Fuxe], see locus coeruleus

A5 [Dahlström and Fuxe], see pontine reticular nucleus, caudal part

A6 [Dahlström and Fuxe], see locus coeruleus

A8 [Dahlström and Fuxe], see mesencephalic reticular nucleus, retrorubral area

A9 [Dahlström and Fuxe], see substantia nigra, compact part

A10 [Dahlström and Fuxe], see ventral tegmental area

A12 [Dahlström and Fuxe], see arcuate nucleus of the hypothalamus

A13 [Fuxe], see zona incerta, dopaminergic group

abducens nerve [Eustacius] (VIn)

abducens nucleus (VI) **53-54**; 7

accessory abducens nucleus (ACVI) **52**

accessory cuneate nucleus, see external cuneate nucleus

accessory facial nucleus (ACVII) **52-53, 55**

accessory motor nucleus of the trigeminal nerve, see mesencephalic nucleus of the trigeminal nerve

accessory olfactory bulb [Balogh] (AOB) **2-3**; 7

accessory olfactory bulb, glomerular layer (AOBgl) **3**

accessory olfactory bulb, granule cell layer (AOBgr) **2-3**

accessory olfactory bulb, mitral layer (AOBmi) **3**

accessory olfactory nerve (aIn)

accessory optic tract (aot) **37**

accessory spinal nerve [Willis] (XIn)

accessory superior olive, see superior olivary complex, medial part

accessory supraoptic group (ASO) **7**

accessory vagus nerve, see cranial root of the accessory spinal nerve

acoustic nerve, see vestibulocochlear nerve

acoustic tubercle, see dorsal cochlear nucleus

adenohypophysis, see pituitary gland, anterior lobe

afterbrain, see medulla

agranular insular area (AI) **5-28**

agranular insular area, dorsal part (AI_d) **5-14**; 7

agranular insular area, posterior part (AI_p) **15-28**; 1, 3, 4, 7

agranular insular area, ventral part (AI_v) **9-14**; 7

alar plate (ALP) **1, 3, 4**

alveus [Burdach] (alv) **27-43**

Ammon's horn [Noguez] (CA) **26-40**

amnion (cut edge) (AMN) **1**

amniotic cavity, text27

amygdala [Burdach] (AMY) 5, 7

amygdalofugal pathway, see ansa peduncularis

amygdalohippocampal area, see posterior nucleus amygdala

Andersch's ganglion, see inferior glossopharyngeal ganglion

angular bundle (ab) **38-43**

angular nucleus (medulla), see superior vestibular nucleus

angular nucleus (thalamus), see anterodorsal nucleus thalamus

ansa lenticularis, see pallidothalamic pathway

ansa peduncularis [Gratiolet] (apd)

ansiform lobule (AN) **50-64**; 7

ansiform lobule, crus 1, sublobules a-d (ANcr1a-d) **50-62**

ansiform lobule, crus 2, sublobules a,b (ANcr2a,b) **56-68**

ansoparamedian fissure (apf) **59-68**

anterior amygdaloid area (AAA) **21-25**; 7

anterior cerebral vesicle, see forebrain vesicle

anterior choroidal nodule [McLardy], see subfornical organ

anterior cingulate area (ACA) **6-24**; 7

anterior cingulate area, dorsal part (ACAd) **6-24**

anterior cingulate area, ventral part (ACAv) **11-24**

anterior column, see ventral funiculus

anterior commissural nucleus [Peterson], see paraventricular nucleus hypothalamus, anterior
magnocellular part

anterior commissure [Riolan] (ac) **1-21**; 4, 5

anterior commissure, anterior limb, see anterior commissure, olfactory limb

anterior commissure, intrabulbar , see anterior commissure, olfactory limb

anterior commissure, olfactory limb (aco) **1-21**

anterior commissure, posterior limb, see anterior commissure, temporal limb

anterior commissure, temporal limb (act) **17-21**

anterior horn, see ventral horn

anterior hypothalamic area (AHA) **22**; 7

anterior hypothalamic nucleus (AHN) **21-27**

anterior hypothalamic nucleus, anterior part (AHNa) **21-25**; 7

anterior hypothalamic nucleus, central part (AHNc) **23-27**; 7

anterior hypothalamic nucleus, dorsal part (AHNd) **27**; 7

anterior hypothalamic nucleus, posterior part (AHNp) **25-27**; 7

anterior laterolateral visual area (VISlla) **40-42**; 7

anterior level, hypothalamus (ANT) 5

anterior lobe cerebellum (ALC) 7

anterior medial preoptic nucleus, see anteroventral periventricular nucleus

anterior nuclei, dorsal thalamus [Nissl] (ATN) 5, 7

anterior nucleus hypothalamus [Bleier], see medial preoptic nucleus

anterior nucleus hypothalamus [Cajal], see ventromedial nucleus hypothalamus

anterior olfactory nucleus [Kölliker] (AON) **3-9**; 7

anterior olfactory nucleus, dorsal part (AONd) **4-5**

anterior olfactory nucleus, dorsal part, molecular layer (AONd1) **4-5**

anterior olfactory nucleus, dorsal part, pyramidal layer (AONd2) **4-5**

anterior olfactory nucleus, external part (AONe) **3-4**

anterior olfactory nucleus, external part, molecular layer (AONe1) **3-4**

anterior olfactory nucleus, external part, pyramidal layer (AONe2) **3-4**

anterior olfactory nucleus, lateral part (AONI) **3-5**

anterior olfactory nucleus, lateral part, molecular layer (AONI1) **3-5**

anterior olfactory nucleus, lateral part, pyramidal layer (AONI2) **3-5**

anterior olfactory nucleus, medial part (AONm) **4-8**

anterior olfactory nucleus, medial part, molecular layer (AONm1) **4-8**

anterior olfactory nucleus, medial part, pyramidal layer (AONm2) **4-8**

anterior olfactory nucleus, posteroventral part (AONpv) **4-9**

anterior olfactory nucleus, posteroventral part, molecular layer (AONpv1) **4-9**

anterior olfactory nucleus, posteroventral part, pyramidal layer (AONpv2) **4-9**

anterior perforated substance [Vicq d'Azyr], see olfactory tubercle

anterior periventricular nucleus hypothalamus (PVa) **23-25; 7**

anterior pillars of the fornix, see columns of the fornix

anterior pretectal nucleus (APN) **34-38; 7**

anterior quadrigeminal tubercle, see superior colliculus

anterior tegmental nucleus (AT) **44-45; 7**

anterodorsal nucleus thalamus (AD) **24-27; 7**

anterodorsal preoptic nucleus (ADP) **18-20; 7**

anterolateral ridge (alr) *1*

anterolateral visual area (VISal) **35-40; 7**

anteromedial nucleus thalamus (AM) **24-27**

anteromedial nucleus thalamus, dorsal part (AMd) **24-27; 7**

anteromedial nucleus thalamus, ventral part (AMv) **24-27; 7**

anteromedial visual area (VISam) **35-39; 7**

anteroventral nucleus thalamus (AV) **23-27**; 7

anteroventral periventricular nucleus hypothalamus (AVPV) **17-19**; 7

anteroventral preoptic nucleus (AVP) **17-20**; 7

aorticomesenteric ganglion, see superior mesenteric ganglion

apex of the dorsal horn, see substantia gelatinosa; marginal zone

aqueduct of Sylvius, see cerebral aqueduct

arbor vitae (arb) **52-61**

archicortex, see hippocampal formation

archistriatum, see amygdala

arcuate nucleus brainstem [Cajal], see pontine gray

arcuate nucleus hypothalamus [Clark] (ARH) **26-30**; 7

arcuate nucleus thalamus, see ventral posteromedial nucleus

area 4, see primary motor area

area 17, see primary visual area

area 24, see anterior cingulate area

area 25, see infralimbic area

area 27, see presubiculum

area 28, see entorhinal area

area 29, see retrosplenial area

area 32, see prelimbic area

area 35, see perirhinal area

area 36, see ectorhinal area

area 48, see postsubiculum

area 49, see parasubiculum

area postrema (AP) **69-70**; 4, 7, 9

Arnold's ganglion, see otic ganglion

ascending cerebellar bundle, see dorsal spinocerebellar tract

auditory areas (AUD) **30-39**; 7

auditory nerve, see cochlear nerve or vestibulocochlear nerve

auditory olive, see superior olive

Auerbach's plexus, see myenteric plexus

autonomic nervous system [Langley] (ANS)

Barrington's nucleus (B) **49-50**; 7

basal ganglia (BG) 1-8

basal ganglia, text 46, 47

basal nucleus of Ganser, see olfactory tubercle

basal nucleus of Meynert [Kölliker], see substantia innominata

basal nucleus of the dorsal horn (BN) 7

basal optic ganglion [Meynert], see supraoptic nucleus

basal optic root [Edinger], see accessory optic tract

basal plate (BAP) 1, 3, 4

basic bundle, see fasciculus proprius

basis pedunculi, see cerebral peduncle

basolateral nucleus amygdala (BLA) **24-35**

basolateral nucleus amygdala, anterior part (BLAa) **24-29**; 7

basolateral nucleus amygdala, posterior part (BLAp) **28-35**; 7

basomedial nucleus amygdala (BMA) **22-35**

basomedial nucleus amygdala, anterior part (BMAa) **22-28**; 7

- basomedial nucleus amygdala, posterior part (BMAp) **27-35; 7**
- Bechterew's nucleus, see superior vestibular nucleus
- bed nuclei stria terminalis [Johnston] (BST) **16-23; 7**
- bed nuclei stria terminalis, anterior division (BSTa) **16-23**
- bed nuclei stria terminalis, anterior division, anterodorsal area (BSTad) **16-20**
- bed nuclei stria terminalis, anterior division, anterodorsal area, central core (BSTcc) **18**
- bed nuclei stria terminalis, anterior division, anterolateral area (BSTal) **16-21**
- bed nuclei stria terminalis, anterior division, anteroventral area (BSTav) **16-20**
- bed nuclei stria terminalis, anterior division, dorsolateral nucleus (BSTdl) **20-21**
- bed nuclei stria terminalis, anterior division, dorsomedial nucleus (BSTdm) **16-20**
- bed nuclei stria terminalis, anterior division, fusiform nucleus (BSTfu) **18-19**
- bed nuclei stria terminalis, anterior division, juxtacapsular nucleus (BSTju) **18-19**
- bed nuclei stria terminalis, anterior division, magnocellular nucleus (BSTmg) **20-21**
- bed nuclei stria terminalis, anterior division, oval nucleus (BSTov) **18-19**
- bed nuclei stria terminalis, anterior division, rhomboid nucleus (BSTrh) **20-21**
- bed nuclei stria terminalis, anterior division, subcommissural zone (BSTsc) **17-19**
- bed nuclei stria terminalis, anterior division, ventral nucleus (BSTv) **20-23**
- bed nuclei stria terminalis, posterior division (BSTp) **19-23**
- bed nuclei stria terminalis, posterior division, cell-sparse zone (BSTsz) **22**
- bed nuclei stria terminalis, posterior division, dorsal nucleus (BSTd) **19-21**
- bed nuclei stria terminalis, posterior division, interfascicular nucleus (BSTif) **22-23**
- bed nuclei stria terminalis, posterior division, premedullary nucleus (BSTpm)
- bed nuclei stria terminalis, posterior division, principal nucleus (BSTpr) **21-23**
- bed nuclei stria terminalis, posterior division, strial extension (BSTse) **20-22**

bed nuclei stria terminalis, posterior division, transverse nucleus (BSTtr) **22**

bed nucleus accessory olfactory tract (BA) **25-26**; 7

bed nucleus anterior commissure [Gurdjian] (BAC) **20-21**

bed nucleus of the hippocampal commissure [Humphrey] , see subfornical organ

bilaminar germ disc, **text 27**

Bischoff's nucleus, see gracile nucleus, median part

boundaries, **text 11, 16, 63**

brachial plexus (bp) 10

brachium conjunctivum, see superior cerebellar peduncle

brachium of the inferior colliculus (bic) **35-44**

brachium of the superior colliculus (bsc) **32-42**

brachium pontis, see middle cerebellar peduncle

brain (BR)

brain plate (BRP) 1, 2

brain vesicles, **text 29, 37, 42**

brainstem (BS)

bulb, see medulla

bulbar olive, see inferior olive

bulbocerebellar tract (bct)

bundle of Schütz, see dorsal longitudinal fascicle

Burdach's column, see cuneate fascicle

C1 [Dahlström and Fuxe], see paragigantocellular reticular nucleus, lateral part

C2 [Dahlström and Fuxe], see nucleus of the solitary tract, medial part

CA4 [Lorente de Nó], see dentate gyrus, polymorph layer

cardiogenic region (cr) 1

caudal intracentral fissure (icec) **54**

caudal medullary vellum [Tarin] (CMVE) 4

caudal neuropore (cnp)

caudoputamen (CP) **10-31**; 7

celiac ganglion (GCE) 10

cell type, **text 12**

center of the dorsal horn, see neck of the dorsal horn

central autonomic nucleus, see dorsal commissural nucleus

central canal, spinal cord/medulla (C) **69-73**; 5, 9

central cervical nucleus (CEC) 7

central gray (CG) 7

central gray brain (CGB)

central gray spinal cord (CGS)

central lateral nucleus thalamus (CL) **28-33**; 7

central linear nucleus raphé (CLI) **39-43**; 7

central lobule (CENT) **47-57**; 7

central lobule, lobule II, sublobules a,b (CENT2a,b) **47-54**

central lobule, lobule III, sublobules a,b (CENT3a,b) **48-57**

central medial nucleus thalamus (CM) **25-33**; 7

central nervous system (CNS)

central nucleus amygdala (CEA) **22-30**

central nucleus amygdala, capsular part (CEAc) **22-29**; 7

central nucleus amygdala, lateral part (CEAl) **26-30**; 7

central nucleus amygdala, medial part (CEAm) **23-28**; 7

central substantia gelatinosa, see central gray

central tegmental bundle [Bechterew] (ctb)

central tegmental field [Berman], see mesencephalic reticular nucleus

centre médian nucleus [Luys], see parafascicular nucleus

cephalic flexure (cf) 3, 4

cerebellar commissure (cbc) **54-56**

cerebellar cortex (CBX) **47-71**

cerebellar cortex, granule cell layer (CBXg) **48-71**

cerebellar cortex, hemisphere (CBXh) 7

cerebellar cortex, molecular layer (CBXm) **47-71**

cerebellar cortex, Purkinje layer (CBXp) **48-71**

cerebellar cortex, vermis (CBXv) 7

cerebellar olive, see dentate nucleus

cerebellar peduncles (cbp)

cerebellar ventricle, see fourth ventricle

cerebellum (CB) **47-71**; 6-9

cerebral aqueduct [Sylvius] (AQ) **35-47**; 5, 9

cerebral aqueduct, collicular recess (AQc) **48-49**

cerebral cortex (CTX) **4-49**; 1-7

cerebral peduncle (cpd) **28-43**

cerebri testiculi [Casserio], see mammillary body

cerebrum, **text 35**

cervical plexus (cep) 10

cervical spinal ganglia, 1-8 (G-C1-8)

cervicothalamic tract (cett)

cervicothoracic ganglion, see stellate ganglion

chain ganglia, see sympathetic trunk

choroid plexus (chp) **16-38, 50-67**

choroidal fissure (chf) **23-38, 50-67**

ciliary ganglion (GcIII)

ciliary nucleus [Jiminez-Castellanos], see Edinger-Westphal nucleus

cingulate cortex, see prelimbic area, anterior cingulate area

cingulate region [Burdach] (CNG) 5, 7, 9

cingulum bundle [Reil] (cing) **10-39**

Clarke's column, see dorsal nucleus of the spinal cord

claustrum [Burdach] (CLA) **7-28; 7**

coccygeal spinal ganglia, 1-3 (G-Co1-3) 10

coccygeal sympathetic ganglion (Gs-C)

cochlear ganglion, see spiral ganglion

cochlear nerve (cVIII_n)

cochlear nuclei (CN) **49-58; 7**

cochlear nuclei, granular lamina (CN_{lam}) **55-56**

cochlear nuclei, subpeduncular granular region (CN_{spg}) **49-53**

collateral ganglia, see prevertebral sympathetic ganglia

colliculus striati [Winkler and Potter], see nucleus accumbens

columns of the fornix (fx) **18-35**

commissural nucleus [Cajal], see nucleus of the solitary tract, commissural part

commissure of Forel, see supramammillary decussation

commissure of the inferior colliculus (cic) **46-48**

commissure of the superior colliculus (csc) **37-39**

common oculomotor nucleus, see oculomotor nucleus

conarium, see pineal gland

copula pyramidis, sublobules a,b (COPYa,b) **58-69**; 7

corpora albicantia, see mammillary body

corpora quadrigemina [Galen], see tectum

corporis pontobulbaris [Essick], see pontine gray

corpus callosum [Galen] (cc) **16-33**; 4, 5

corpus callosum, anterior forceps [Arnold] (fa) **8-11**

corpus callosum, genu (ccg) **12-15**; 4, 5

corpus callosum, posterior forceps [Arnold] (fp) **38-42**

corpus callosum, rostrum (ccr) **10-13**; 4

corpus callosum, splenium [Burdach] (ccs) **34-37**

corpus candicans [Willis], see mammillary body

corpus Luysii, see subthalamic nucleus

corpus striatum [Willis] (CSTR) 7

Corti's ganglion, see spiral ganglion

cortical nucleus amygdala (COA) **22-36**

cortical nucleus amygdala, anterior part (COAa) **22-28**; 7

cortical nucleus amygdala, posterior part (COAp) **27-36**

cortical nucleus amygdala, posterior part, lateral zone (COApl) **27-34**; 7

cortical nucleus amygdala, posterior part, medial zone (COApm) **30-36**; 7

corticobulbar tract (cbr)

corticopontine tract (cpt)

corticorubral tract (crt)

corticospinal tract (cst) **42-47**

corticospinal tract, uncrossed [Burdach, Türck] (cstu)

corticotectal tract (cte)

cranial root of the accessory spinal nerve, see vagus nerve

crus 1, fissures 1-3 (cr1f1-3) **53-60**

crus 2 fissure (cr2f) **61-66**

culmen (CUL) **48**; 7

culmen, lobules IV,V (CUL4,5) **49-60**

cuneate fascicle [Burdach] (cuf) **66-73**

cuneate nucleus [Burdach] (CU) **65-73**; 7

cuneiform nucleus [Castaldi] (CUN) **44-48**; 7

cuneocerebellar tract (cct)

declival fissure 2 (def2) **61**

declive (VI), sublobules a-d (DECa-d) **56-67**; 7

decussation of the superior cerebellar peduncle [Wernekinck] (dscp) **43-45**

decussation of the trochlear nerve (IVd) 4

deep cerebellar nuclei (DNC) **54-59**; 7

deep mesencephalic nucleus, see mesencephalic reticular nucleus

Deiters' nucleus, see lateral vestibular nucleus

dentate gyrus [Tarin] (DG) **26-42**; 7

dentate gyrus, crest (DGcr) **28-42**

- dentate gyrus, crest-granule cell layer (DGcr-sg) **28-40**
- dentate gyrus, crest-molecular layer (DGcr-mo) **28-42**
- dentate gyrus, crest-polymorph layer (DGcr-po) **28-39**
- dentate gyrus, lateral blade (DGlb) **28-39**
- dentate gyrus, lateral blade-granule cell layer (DGlb-sg) **28-39**
- dentate gyrus, lateral blade-molecular layer (DGlb-mo) **28-39**
- dentate gyrus, lateral blade-polymorph layer (DGlb-po) **28-39**
- dentate gyrus, medial blade (DGmb) **26-39**
- dentate gyrus, medial blade-granule cell layer (DGmb-sg) **26-39**
- dentate gyrus, medial blade-molecular layer (DGmb-mo) **26-39**
- dentate gyrus, medial blade-polymorph layer (DGmb-po) **27-39**
- dentate nucleus [Vicq d'Azyr] (DN) **54-57; 7**
- dentate nucleus, parvicellular part (DNp) **55-56**
- descending nucleus of the ninth and tenth cranial nerves, see nucleus of the solitary tract, medial part
- descending nucleus of the trigeminal nerve, see spinal nucleus of the trigeminal nerve; mesencephalic nucleus of the trigeminal nerve
- descending root of the trigeminal nerve, see spinal root of the trigeminal nerve
- descending triangular nucleus, see spinal vestibular nucleus
- descending vestibular nucleus [Cajal], see spinal vestibular nucleus
- di-telencephalic roof plate (dtrp) **4, 5**
- diacele, see third ventricle
- diagonal band [Broca] (db)
- diencephalic roof plate (drp) **4, 9**
- diencephalon (DI) **1, 4, 5, 8**

diffuse magnocellular nucleus [Kölliker], see tegmental reticular nucleus

diffuse supraoptic nucleus [Gurdjian], see accessory supraoptic group

discus lentiformis [Meynert], see subthalamic nucleus

distal glossopharyngeal ganglion [Andersch] (GdIX)

distal glossopharyngeovagal placode (IX/Xpd) 1

distal vagal ganglion (GdX) 10

distortion, text 20, 22, 23

dorsal acoustic stria [Monakow] (das)

dorsal auditory areas (AUDd) 30-39; 7

dorsal bulbar nucleus of the pneumogastric nerve, see nucleus of the solitary tract

dorsal cochlear nucleus (DCO) 54-58; 7

dorsal column nuclei (DCN) 65-73

dorsal column, see dorsal funiculus

dorsal columns (dc)

dorsal commissural nucleus of the spinal cord (DOC)

dorsal commissure, spinal cord (dcm)

dorsal fornix (df) 21-33

dorsal fountain decussation, see dorsal tegmental decussation

dorsal hippocampal commissure (dhc) 33-45; 4, 5

dorsal horn bundle, see dorsolateral fasciculus proprius

dorsal horn, spinal cord (DH) 7

dorsal hypothalamic area, see posterior hypothalamic nucleus

dorsal longitudinal fascicle [Schütz] (dlf)

dorsal motor nucleus vagus nerve (DMX) 64-73; 7

dorsal nucleus of the vagus nerve, see dorsal motor nucleus of the vagus nerve

dorsal nucleus raphé (DR) **43-49**; 7

dorsal nucleus spinal cord [Stilling, Clarke] (DSN) 7

dorsal nucleus spinal cord, caudal part [Stilling] (DSNc) 7

dorsal peduncular cortex, see infralimbic area

dorsal premammillary nucleus (PMd) **32-33**; 7

dorsal psalterium, see dorsal hippocampal commissure

dorsal roots [Coiter] (drt)

dorsal spinocerebellar tract [Flechsig] (sctd) **70**

dorsal tegmental decussation [Meynert] (dtd) **40-42**

dorsal tegmental nucleus [Gudden] (DTN) **48-51**

dorsal tegmental tract [Lindvall-Björklund] (dtt)

dorsal terminal nucleus accessory optic tract (DT) **39**; 7

dorsal thalamic nuclei , see anterior thalamic nuclei

dorsal thalamus (DOR) 5, 7

dorsal tuberal nucleus [Bleier], see anterior hypothalamic nucleus, dorsal part

dorsal vestibular nucleus, see medial vestibular nucleus

dorsolateral fascicle [Lissauer] (dl)

dorsomedial nucleus hypothalamus (DMH) **28-31**

dorsomedial nucleus hypothalamus, anterior part (DMHa) **28-31**; 7

dorsomedial nucleus hypothalamus, posterior part (DMHp) **29-31**; 7

dorsomedial nucleus hypothalamus, ventral part (DMHv) **30-31**; 7

dorsomedial nucleus, see mediodorsal nucleus

dorsomedial periolivary nucleus, see periolivary region

dysgranular insular area, see gustatory area

ectoderm (ECD)

ectomammillary nucleus [Edinger], see medial terminal nucleus accessory optic tract

ectorhinal area (ECT) **29-48**; 7

ectorhinal fissure, see rhinal fissure

Edinger-Westphal nucleus (EW) **38-42**; 7

efferent cochlear group (ECO) 7

efferent cochleovestibular bundle (cvb) **53**

efferent vestibular nucleus (EV) **53**; 7

Ehrenritter's ganglion, see proximal glossopharyngeal ganglion

embedding, **text 21, 22**

emboliform nucleus, see interposed nucleus

encapsulated nucleus of the BST [Young], see principal nucleus of the BST

encephalon, see brain

endbrain, see telencephalon

endoderm (END) 1

endopiriform nucleus [Loo] (EP) **5-37**; 7

endopiriform nucleus, dorsal part (EPd) **5-33**

endopiriform nucleus, ventral part (EPv) **22-37**

endorhinal groove (eg)

enteric nervous system [Langley] (ENS)

enteric nervous system, **text 31**

entopeduncular nucleus [Monakow], see globus pallidus, medial segment

entorhinal area (ENT) **28-48**

entorhinal area, lateral part, layers 1-6 (ENTl1-6) **28-48**; 7

entorhinal area, medial part, dorsal zone, layers 1-6 (ENTm1-6) **40-48**; 7

entorhinal area, medial part, ventral zone [Haug] (ENTmv) **36-39**; 7

entypy, **text 28**

epencephalon, see cerebellum

ependymal canal, see central canal

epiblast, **text 27**

epiphysis, see pineal gland

epirubrospinal nucleus, see nucleus of the lateral lemniscus

epithalamus (EPI) 5, 7

evagination (cerebral hemisphere), **text 45**

external capsule [Burdach] (ec) **10-45**

external cuneate nucleus [Monakow, Blumenau] (ECU) **59-70**

external medullary lamina thalamus [Burdach] (em) **28-35**

external oculomotor nucleus, see abducens nucleus

extrapyramidal fiber systems (eps)

extreme capsule (ee) **16-20**

facial nerve (VIIn) **5-54**

facial nucleus (VII) **53-59**; 7

facial placode (VIIp) 1

falciform nucleus [Cajal], see central lateral nucleus

fascia dentata, see dentate gyrus

fasciculus communis, see solitary tract

fasciculus proprius (fpr)

fasciculus retroflexus [Meynert] (fr) **32-39**; 4

fasciola cinerea [Reil, Arnold] (FC) **28-37**; 7

fastigial nucleus (FN) **55-59**; 7

fate map, **text 26, 27, 35, 53**

field CA1, Ammon's horn [Lorente de Nó] (CA1) **28-40**

field CA1, pyramidal layer (CA1sp) **28-40**

field CA1, pyramidal layer, deep (CA1spd) **29-40**

field CA1, pyramidal layer, superficial (CA1sps) **29-40**

field CA1, stratum lacunosum-moleculare [Meynert] (CA1slm) **28-40**

field CA1, stratum oriens [Sala] (CA1so) **28-40**

field CA1, stratum radiatum [Meynert] (CA1sr) **28-40**

field CA2, Ammon's horn [Lorente de Nó] (CA2) **28-37**

field CA2, pyramidal layer (CA2sp) **28-37**

field CA2, stratum lacunosum-moleculare (CA2slm) **28-37**

field CA2, stratum oriens (CA2so) **28-37**

field CA2, stratum radiatum (CA2sr) **28-37**

field CA3, Ammon's horn [Lorente de Nó] (CA3) **26-39**

field CA3, pyramidal layer (CA3sp) **26-39**

field CA3, stratum lacunosum-moleculare (CA3slm) **26-38**

field CA3, stratum lucidum [Honegger] (CA3slu) **27-38**

field CA3, stratum oriens (CA3so) **26-39**

field CA3, stratum radiatum (CA3sr) **27-39**

fields of Forel (FF) **33-35**; 7

filiform nucleus [Winkler and Potter], see paraventricular nucleus hypothalamus

filum terminale (ft)

fimbria [Vieussens] (fi) **22-33**

Flechsig's tract, see dorsal spinocerebellar tract

flocculonodular lobe cerebellum (FNL) 7

flocculus (FL) **49-55**; 7

floor plate (fpl) 2-4

folium-tuber vermis (VII) (FOTU) **62-70**; 7

foramen of Luschka, see lateral aperture, fourth ventricle

foramen of Magendie, see median aperture, fourth ventricle

foramen of Monro, see interventricular foramen

forebrain (FB) 1-3, 6, 8

forebrain convergence site (fos)

Forel's decussation, see ventral tegmental decussation

fornicate gyrus [Arnold], see cingulate gyrus; hippocampal formation

fornix longus [Forel], see dorsal fornix

fornix superior [Kölliker], see dorsal fornix

fornix system [Galen] (fxs)

fountain decussation [Forel], see ventral tegmental decussation

fountain decussation [Meynert], see dorsal tegmental decussation

fourth ventricle (V4) **48-68**; 5, 9

fourth ventricle, lateral recess (V4r) **49-60**

fovea limbica, see rhinal fissure

frontal pole (FRP) 4; 7

frontal region (FRO) 5

fundamental bundle, see fasciculus proprius

fundamental plan of the nervous system, **text 26**

fundus of the striatum (FS) **13-20**; 7

fuzzy borders, **text 64**

Gall's column, see gracile fascicle

Ganser's commissure, see supraoptic commissures, anterior

Gasserian ganglion, see trigeminal ganglion

gastrulation, **text 27**

geniculate ganglion (GgVII)

geniculate nuclei, dorsal thalamus (GEN) **32-39**; 5, 7

genu of the facial nerve (gVIIIn) **52-56**

germ layers, **text 27**

gigantocellular reticular nucleus (GRN) **53-68**; 7

gigantocellular reticular nucleus pars α [Meessen and Olszewski], see magnocellular reticular nucleus

gigantocellular vestibular nucleus, see lateral vestibular nucleus

globose nucleus, see interposed nucleus

globus pallidus [Burdach] (GP) **19-29**; 7

globus pallidus, lateral segment (GPl) **19-29**

globus pallidus, medial segment (GPm) **23-28**

glossopharyngeal nerve (IXn)

Gowers' tract, see ventral spinocerebellar tract

gracile fascicle [Goll] (grf) **73**

gracile nucleus [Goll] (GR) **69-73**; 7

gracile nucleus, median part [Bischoff] (GRm) **73**

granular insular area, see visceral area

gray commissure, see dorsal commissure of the spinal cord

Gudden's commissure, see supraoptic commissures, ventral part

gustatory area (GU) **7-20**; 7

gustatory nucleus (thalamus), see ventral posteromedial nucleus, parvicellular part

gustatory nucleus [Nageotte] (medulla), see nucleus of the solitary tract, medial part, (rostral zone)

habenular commissure [Haller] (hbc) **34-35**; 4, 9

habenulo-interpeduncular tract, see fasciculus retroflexus

head of the dorsal horn, see nucleus proprius

head process, **text 27**

Held's stria, see intermediate acoustic stria

hemispheric region, cerebellum (HEM)

hemispheric region, telencephalon (HEMR) 7

Hensen's node (Hn) 1

hindbrain (HB) 1-3, 6-8

hindbrain roof plate (hrp) 3, 4

hippocampal commissures [David] (hc)

hippocampal fissure [Gratiolet] (hf) **28-42**

hippocampal formation (HPF)

hippocampal primordium (php) 4

hippocampal region [Aranzi] (HIP) 5, 9

hypoblast, **text 27**

hypogastric ganglion, see pelvic ganglion

hypoglossal nerve (XII_n) 10

hypoglossal nucleus (XII) **64-73**; 7

hypophysial placode (hp) 1

hypophysis, see pituitary

hypothalamic nucleus [Kölliker], see subthalamic nucleus

hypothalamic sulcus (shy)

hypothalamohypophyseal tract (hht)

hypothalamus [His] (HY) **15-37**; 1-9

induseum griseum [Valentin] (IG) **11-37**; 7

inferior central nucleus [Marburg], see nucleus raphé magnus and obscurus

inferior cerebellar peduncle [Ridley] (icp) **53-69**

inferior colliculus (IC) **43-51**; 4

inferior colliculus, central nucleus (ICc) **48-50**; 7

inferior colliculus, dorsal nucleus (ICd) **48-51**; 7

inferior colliculus, external nucleus (ICe) **43-50**; 7

inferior glossopharyngeal ganglion, see distal glossopharyngeal ganglion

inferior mesenteric ganglia (GIM)

inferior olivary complex [Vieussens] (IO) **60-71**; 7

inferior olivary complex, dorsal accessory olive (IOda) **60-68**

inferior olivary complex, medial accessory olive (IOma) **60-71**

inferior olivary complex, principal olive (IOpr) **60-66**

inferior salivatory nucleus (ISN) **53-57**; 7

inferior spinal nerve, see accessory spinal nerve

inferior vestibular nucleus, see spinal vestibular nucleus

infracerebellar nucleus (ICB) **55-56**; 7

infralimbic area (ILA) **7-12**; 7

infundibular nucleus [Spatz], see arcuate nucleus

infundibular sulcus (sin) 4

infundibulum [Galen] (INF) **31**; 4, 5

infundibulum, external lamina (INFex) **31**

infundibulum, internal lamina (INFin) **31**

inner cell mass, **text 27**

insular region (INS) 5

interanterodorsal nucleus thalamus (IAD) **24-27**; 7

interanteromedial nucleus thalamus (IAM) **25-27**

interbrain, see diencephalon

intercolated nuclei amygdala (IA) **19-30**; 7

intercolated nucleus [Clark], see lateral mammillary nucleus

intercolated nucleus of the spinal cord (ICS)

intercollicular nucleus, see superior colliculus, deep gray layer

intercolumnar tubercle [Putnam], see subfornical organ

intercrural fissure (icf) **57-62**

interfascicular nucleus raphé (IF) **37-39**; 7

intermediate acoustic stria [Held] (ias)

intermediate gray spinal cord (IH) 7

intermediate linear nucleus [Brown], see central linear nucleus

intermediate nerve [Wrisberg] (iVIIn)

intermediate periventricular nucleus hypothalamus (PVi) **26-31**; 7

intermediodorsal nucleus thalamus (IMD) **28-33**; 7

intermediolateral column spinal cord (IML)

intermediolateral visual area (VISli) **41-44**; 7

intermediomedial column spinal cord (IMM) 7

internal arcuate fibers (iaf)

internal capsule [Burdach] (int) **18-30**

internal medullary lamina thalamus [Burdach] (im) **32-33**

interpeduncular nucleus [Gudden] (IPN) **39-43**

interpeduncular nucleus, apical subnucleus (IPNa) **43**

interpeduncular nucleus, central subnucleus (IPNc) **39-43**

interpeduncular nucleus, dorsomedial subnucleus (IPNd) **40-43**

interpeduncular nucleus, intermediate subnucleus (IPNi) **40-43**

interpeduncular nucleus, lateral subnucleus (IPNl) **39-43**

interpeduncular nucleus, lateral subnucleus, dorsal part (IPNld) **40-43**

interpeduncular nucleus, lateral subnucleus, intermediate part (IPNli) **40-43**

interpeduncular nucleus, lateral subnucleus, rostral part (IPNlr) **39**

interpeduncular nucleus, lateral subnucleus, ventral part (IPNlv) **40-43**

interpeduncular nucleus, rostral subnucleus (IPNr) **39-42**

interposed nucleus (IP) **54-59**; 7

interposed nucleus, parvicellular part (IPp) **57-59**

interstitial nucleus auditory nerve (IAN) **51-53**

interstitial nucleus of Cajal (INC) **37-39**

interstitial nucleus of Forel's commissure [Brown], see ventral tegmental area

interstitial nucleus of the solitary tract, see nucleus of the solitary tract, lateral part

interstitial nucleus of the spinal cord [Cajal], see reticular nucleus of the spinal cord

interstitial nucleus vestibular nerve (INV)

interstitial system of the spinal trigeminal tract, see paratrigeminal nucleus

interthalamic adhesion, see midline nuclei, dorsal thalamus

intertrigeminal nucleus, see motor nucleus of the trigeminal, parvicellular part

interventricular foramen [Monro] (IVF) **22; 5, 9**

intracental fissure 2 (ice2) **51**

intraculminate fissure 1 (icu1) **51-55**

intralaminar nuclei, dorsal thalamus (ILM) **7**

intraparafloccular fissure (ipf) **57-61**

intrastriatal sulcus (sis) **4**

inversion of the germ layers, **text 28**

islands of Calleja (olfactory tubercle) (isl) **10-18**

isocortex (ISO)

isocortex, deep supragranular pyramidal layer (ISO3)

isocortex, granular layer (ISO4)

isocortex, infragranular pyramidal layer (ISO5)

isocortex, molecular layer (ISO1)

isocortex, polymorph layer (ISO6)

isocortex, superficial supragranular pyramidal layer (ISO2)

isthmus (IS) **4**

jugular ganglion, see proximal vagal ganglion

juxtarestiform body (jrb)

Kölliker-Fuse subnucleus (of PB) (KF) **47-49**

labeling, **text 63**

lambdoid septal zone, see medial septal nucleus

lamina I (spinal cord), see marginal zone of the spinal cord

lamina terminalis (lam) 2, 4, 5, 9

lateral accessory olive, see dorsal accessory olive

lateral acoustic tubercle, see dorsal cochlear nucleus

lateral aperture, fourth ventricle [Luschka] (LAP) **49-61**

lateral cerebellar nucleus, see dentate nucleus

lateral cervical nucleus [Rexed and Brodal] (LCN) 7

lateral column, see lateral funiculus

lateral dorsal nucleus thalamus (LD) **26-31**; 7

lateral fillet, see lateral lemniscus

lateral forebrain bundle (lfb) 8

lateral forebrain bundle system (lfbs)

lateral geniculate complex [Santorini] (LG) **31-37**

lateral geniculate complex, dorsal part (LGd) **31-37**; 7

lateral geniculate complex, intergeniculate leaflet (IGL) **34-36**; 7

lateral geniculate complex, ventral part (LGv) **32-36**

lateral geniculate complex, ventral part, lateral zone (LGvl) **32-36**; 7

lateral geniculate complex, ventral part, medial zone (LGvm) **33-36**; 7

lateral habenula [Nissl] (LH) **27-33**; 7

lateral hypothalamic area [Nissl] (LHA) **22-34**; 7

lateral lemniscus [Reil] (ll) **44-48**

lateral mammillary nucleus [Gudden] (LM) **34-35**; 7

lateral nuclei, dorsal thalamus (LAT) 5, 7

- lateral nucleus amygdala (LA) **25-32**; 7
- lateral nucleus of the medulla, see lateral reticular nucleus
- lateral olfactory tract (lot) **3-25**
- lateral olfactory tract, dorsal limb (lotd) **2, 3**
- lateral posterior nucleus thalamus (LP) **30-38**; 7
- lateral preoptic area (LPO) **15-21**
- lateral reticular nucleus (LRN) **64-72**; 7
- lateral reticular nucleus, magnocellular part (LRNm) **64-71**
- lateral reticular nucleus, parvicellular part (LRNp) **67-72**
- lateral septal nucleus [Cajal] (LS) **10-21**; 5, 7, 9
- lateral septal nucleus, dorsal part (LSd) **11-21**
- lateral septal nucleus, intermediate part (LSi) **10-20**
- lateral septal nucleus, ventral part (LSv) **12-20**
- lateral spinal nucleus (LSN)
- lateral spinothalamic tract (sttl)
- lateral striatal sulcus (ssl) **4**
- lateral terminal nucleus accessory optic tract (LT) **37**; 7
- lateral ventricle (VL) **11-36**; 5
- lateral ventricular ridge (VRI) **4, 5**
- lateral vestibular nucleus [Deiters] (LAV) **53-56**; 7
- lateral zone hypothalamus (LZ) **5, 7**
- lateroanterior hypothalamic nucleus, see anterior hypothalamic nucleus, anterior part
- laterodorsal tegmental nucleus (LDT) **45-50**; 7
- laterolateral visual area (VISll) **43-44**; 7

lattice nucleus, see reticular nucleus thalamus

lens placode (lep) 1

lenticular fascicle, see pallidothalamic pathway

limbic region, telencephalon (LIM) 7

linear nucleus medulla (LIN) **62-65**

lingula (I) (LING) **51-57**; 7

Lissauer's zone, see dorsolateral fascicle

location descriptors, **text 14**

locus coeruleus [Vicq d'Azyr] (LC) **49-52**; 7

lumbar spinal ganglia, 1-6 (G-L1-6) 10

lumbar sympathetic ganglia, 1-6 (Gs-L1-6)

lumbosacral plexus (lsp) 10

lymphatic system, **text 8**

lyra [David], see hippocampal commissures

magnocellular nucleus hypothalamus [Loo], see paraventricular nucleus hypothalamus

magnocellular nucleus medulla, see nucleus ambiguus

magnocellular preoptic nucleus [Loo] (MA) **16-23**; 7

magnocellular reticular nucleus (MARN) **55-65**; 7

magnocellular vestibular nucleus, see lateral vestibular nucleus

main olfactory bulb [Soemmerring] (MOB) **1-4**; 7, 9

main olfactory bulb, glomerular layer (MOBgl) **1-4**

main olfactory bulb, granule cell layer (MOBgr) **1-4**

main olfactory bulb, inner plexiform layer (MOBipl) **1-4**

main olfactory bulb, mitral layer (MOBmi) **1-4**

main olfactory bulb, outer plexiform layer (MOBopl) **1-4**

main sensory nucleus of trigeminal mantle, see principal sensory nucleus of the trigeminal cerebral cortex

major island of Calleja (olfactory tubercle) (ism) **12-14**

mammillary body [Gall and Spurzheim] (MBO) **32-37**

mammillary level, hypothalamus (MAM)

mammillary peduncle [Meynert] (mp) **34-39**

mammillotegmental tract [Gudden] (mtg) **34-39**

mammillothalamic tract [Vicq d'Azyr] (mtt) **27-36**

marginal nucleus of the brachium conjunctivum, see parabrachial nucleus

marginal zone spinal cord [Waldeyer] (MZ) 7

massa intermedia, see midline nuclei, dorsal thalamus

masticatory nucleus, see motor nucleus of the trigeminal nerve

Meckel's ganglion, see pterygopalatine ganglion

medial accessory nucleus [Bechterew] (MAN) **39; 7**

medial cerebellar nucleus, see fastigial nucleus

medial corticohypothalamic tract (mct) **22**

medial fillet, see medial lemniscus

medial forebrain bundle [Edinger] (mfb) 8

medial forebrain bundle system (mfbs)

medial geniculate complex (MG) **36-39**

medial geniculate complex, dorsal part (MGd) **36-39; 7**

medial geniculate complex, medial part (MGm) **36-39; 7**

medial geniculate complex, ventral part (MGv) **36-39; 7**

medial habenula [Nissl] (MH) **26-35; 7**

medial habenula, dorsal part (MHd)
medial habenula, ventral part (MHv)
medial lemniscus [Reil] (ml) **33-71**
medial longitudinal fascicle (mlf) **39-73**
medial mammillary nucleus [Gudden] (MM) **34-37**; 7
medial mammillary nucleus, median part (MMme) **33-34**
medial nuclei, dorsal thalamus (MED) 5
medial nucleus amygdala (MEA) **23-30**
medial nucleus amygdala, anterodorsal part (MEAad) **23-27**; 7
medial nucleus amygdala, anteroventral part (MEAav) **26-27**; 7
medial nucleus amygdala, posterodorsal part, sublayers a-c (MEApd-a,b,c) **28-30**; 7
medial nucleus amygdala, posteroventral part (MEApv) **28-29**; 7
medial nucleus of the trapezoid body, see nucleus of the trapezoid body
medial preoptic area (MPO) **16-23**; 7
medial preoptic nucleus (MPN) **20-23**
medial preoptic nucleus [Bleier], see anteroventral periventricular nucleus
medial preoptic nucleus, central part (MPNc) **20-21**; 7
medial preoptic nucleus, lateral part (MPNl) **19-23**; 7
medial preoptic nucleus, medial part (MPNm) **20-23**; 7
medial pretectal area (MPT) **34-37**; 7
medial septal complex (MSC) **13-22**
medial septal nucleus [Cajal] (MS) **14-19**; 5, 7, 9
medial striatal sulcus (ssm) 4
medial terminal nucleus accessory optic tract [Edinger] (MT) **36-37**; 7

medial ventricular ridge (VRm) 4, 5

medial vestibular nucleus [Schwalbe] (MV) **53-64**; 7

medial zone hypothalamus (MEZ) 7

median aperture, fourth ventricle [Magendie] (MAP) **68**

median eminence (ME) **26-30**; 4, 5, 7, 9

median eminence, external lamina (MEex) **26-30**

median eminence, internal lamina (MEin) **26-29**

median nucleus of the raphé, see superior central nucleus, medial part

median preoptic nucleus [Loo] (MEPO) **17-21**; 5, 7

mediodorsal nucleus thalamus (MD) **25-33**

mediodorsal nucleus thalamus, central part (MDc) **28-31**; 7

mediodorsal nucleus thalamus, lateral part (MDl) **25-32**; 7

mediodorsal nucleus thalamus, medial part (MDm) **25-33**; 7

mediolateral visual area (VISlm) **41-44**

medioventral nucleus thalamus, see nucleus reuniens

medulla (MY) 1, 4-6, 8, 9

medulla spinalis, see spinal cord

medullary cord, see spinal cord

medullary reticular nucleus (MDRN) **69-73**

medullary reticular nucleus, dorsal part (MDRNd) **71-73**; 7

medullary reticular nucleus, ventral part (MDRNv) **69-73**; 7

Meissner's plexus, see submucosal plexus

meninges, **text 8**

mesencephalic nucleus of the trigeminal (MEV) **43-51**; 7

mesencephalic reticular nucleus (MRN) **34-46**; 7

mesencephalic reticular nucleus, retrorubral area (RR) **40-43**; 7

mesencephalic tract of the trigeminal nerve (mtV) **43-51**

mesencephalon, see midbrain

mesocele, see cerebral aqueduct

mesoderm (MES) *1*

metacele, see fourth ventricle

metathalamus, see geniculate group, dorsal thalamus

metencephalon, see pons; cerebellum

Meynert's commissure, see dorsal supraoptic commissure

Meynert's decussation, see dorsal tegmental decussation

microcellular tegmental nucleus, see nucleus sagulum

midbrain (MB) *1-8*

midbrain flexure, see cephalic flexure

middle cerebellar peduncle (mcp) **41-51**

middle cervical ganglion (GMC)

middle commissure of the thalamus (mtc)

midline group, dorsal thalamus (MTN)

midline nuclei, dorsal thalamus (MID) *7*

Monakow's stria, see dorsal acoustic stria

motor areas (MO) **4-31**; 7

motor nucleus of the trigeminal nerve (V) **49-52**; 7

motor nucleus of the trigeminal nerve, parvicellular part (Vpc) **47-50**

motor root of the trigeminal nerve (moV) **45-51**

myelencephalon, see medulla

myelon, see spinal cord

myenteric plexus [Auerbach] (myp)

Nageotte's nucleus, see nucleus of the solitary tract, medial part, rostral zone (taste)

nates, see superior colliculus

neocortex, see isocortex

neostriatum, see caudoputamen

nesting, [text 53](#)

neural crest (NCR) 1, 2

neural fold (nfo)

neural folds, [text 33](#)

neural groove (ng) 2

neural plate (NPL) 1, 2

neural tube (NT) 2

neural tube, [text 33](#)

neuroectoderm, [text 29](#)

neurohemal zone, see median eminence, external zone

neurohypophysis, see pituitary, neural lobe

neuromeres, [text 30, 34, 40](#)

neurulation, [text 28](#)

nigrostriatal tract (nst)

nigrothalamic fibers (ntt)

nodose ganglion, see distal vagal ganglion

nodular fissure (nf) **60-61**

nodulus (X), sublobules a,b (NODa,b) **58-66**; 7

nonradial migration, **text 48**

notochord (nch) 1, 2

nuclei of the raphé (RA)

nucleus accumbens (ACB) **9-15**; 7

nucleus alae cinereae [Jacobsohn], see nucleus of the solitary tract, dorsal motor nucleus of the vagus

nucleus alaris [Ziehen], see dorsal motor nucleus of the vagus

nucleus alatus [Rose], see nucleus reuniens

nucleus ambiguus, dorsal division (AMBd) **59-71**; 7

nucleus ambiguus, ventral division (AMBv) **60-73**; 7

nucleus angularis [Nissl], see central lateral nucleus

nucleus basalis [Meynert], see substantia innominata

nucleus basalis, see inferior olive

nucleus brachium inferior colliculus (NB) **40-44**; 7

nucleus bulbi fornicis, see mammillary body

nucleus circularis (NC) **24**

nucleus conterminalis [Ziehen], see raphé pallidus

nucleus gelatinosa [Krieg], see submedial nucleus

nucleus incertus [Streeter] (NI) **50-52**; 7

nucleus innominata [Clarke], see nucleus ambiguus

nucleus intercalatus [Staderini] (NIS) **64-65**; 7

nucleus isthmi [Clark], see parabigeminal nucleus

nucleus K, see motor nucleus of the trigeminal nerve, parvicellular part

nucleus lateralis medius, see nucleus ambiguus

- nucleus minimus [Monakow], see red nucleus
- nucleus of Bechterew, see superior vestibular nucleus
- nucleus of Darkschewitsch (ND) **36-41**; 7
- nucleus of Roller (NR) **64-67**; 7
- nucleus of the ansa lenticularis, see substantia innominata
- nucleus of the bulbocavernosus (NBC)
- nucleus of the diagonal band [Broca] (NDB) **13-22**; 5, 7, 9
- nucleus of the horizontal limb of the diagonal band [Price & Powell], see magnocellular preoptic nucleus
- nucleus of the lateral funiculus [Cajal], see lateral reticular nucleus
- nucleus of the lateral lemniscus [Bechterew] (NLL) **43-48**; 7
- nucleus of the lateral olfactory tract [Ganser] (NLOT) **22-25**; 7
- nucleus of the lateral olfactory tract, dorsal cap (NLOT3) **22-24**
- nucleus of the lateral olfactory tract, molecular layer (NLOT1) **22-25**
- nucleus of the lateral olfactory tract, pyramidal layer (NLOT2) **22-25**
- nucleus of the mammillary peduncle [Papez], see ventral tegmental area
- nucleus of the optic tract (NOT) **36-38**; 7
- nucleus of the posterior commissure (NPC) **34-36**; 7
- nucleus of the solitary tract (NTS) **58-73**; 7
- nucleus of the solitary tract, central part (NTSce) **65-68**
- nucleus of the solitary tract, commissural part [Cajal] (NTSco) **69-73**
- nucleus of the solitary tract, dorsolateral part, see parasolitary nucleus
- nucleus of the solitary tract, gelatinous part (NTSge) **68-69**
- nucleus of the solitary tract, lateral part (NTSI) **63-73**
- nucleus of the solitary tract, medial part (NTSm) **58-72**

nucleus of the spinal accessory nerve (XI) 7

nucleus of the trapezoid body (NTB) **48-53**; 7

nucleus peripeduncularis lateralis [Jacobsohn], see nucleus of the brachium of the inferior colliculus

nucleus pigmentosis pontis [Jacobsohn], see locus coeruleus

nucleus prepositus [Marburg] (PRP) **55-63**; 7

nucleus proprius of the spinal cord (NP) 7

nucleus raphe dorsalis thalamus [Clark], see paraventricular nucleus thalamus

nucleus raphé magnus (RM) **49-56**; 7

nucleus raphé obscurus (RO) **60-71**; 7

nucleus raphé pallidus (RPA) **52-72**; 7

nucleus raphé pontis (RPO) **49-51**; 7

nucleus reticularis tegmenti pontis, see tegmental reticular nucleus

nucleus reticularis tegmenti pontis, see tegmental reticular nucleus

nucleus retropyramidalis [Dejerine], see nucleus raphé pallidus

nucleus reuniens [Malone] (RE) **23-30**; 7

nucleus reuniens, median part (REm) **24-28**

nucleus sagulum (SAG) **42-45**; 7

nucleus tecti, see fastigial nucleus

nucleus x [Brodal and Pompeiano] (x) **55-59**; 7

nucleus Y [Brodal and Pompeiano], see infracerebellar nucleus

nucleus y [Brodal and Pompeiano] (y) **55-58**; 7

nucleus z [Brodal and Pompeiano] (z) **65-67**; 7

nucleus ependymalis [Winkler and Potter], see paraventricular nucleus thalamus

occipital pole (OCP) **48**; 7

occipital region (OCC) 5

oculomotor nerve (IIIIn) **38**

oculomotor nucleus (III) **40-43**; 7

olfactory cortex (OLF)

olfactory nerve (In)

olfactory placode (olp) 1

olfactory tubercle [Ganser] (OT) **9-20**; 7

olfactory tubercle, molecular layer (OT1) **9-20**

olfactory tubercle, polymorph layer (OT3) **9-20**

olfactory tubercle, pyramidal layer (OT2) **9-20**

olfactory ventricle, see rhinocele

olivary pretectal nucleus (OP) **34-37**; 7

olivocerebellar tract (oct)

olivospinal tract [Helweg], see spino-olivary pathway; reticulospinal tract

Onuf's nucleus (ON)

optic chiasm (och) **16-20**; 4, 5

optic nerve (IIIn)

optic sulcus (sopt) 3, 4

optic tectum, see superior colliculus

optic thalamus [Vieussens], see diencephalon

optic tract (opt) **21-39**

optic vesicle primordium (ovp) 2

orbital area (ORB) **4-9**

orbital area, lateral part (ORBl) **4-8**; 7

orbital area, medial part (ORBm) **4-7**; 7

orbital area, ventral part (ORBv) **4-9**; 7

orbital area, ventrolateral part (ORBvl) **4-9**; 7

oropharyngeal membrane (opm) *1*

oropharyngeal membrane, **text 28**

otic ganglion [Arnold] (GoIX)

otic neuromere, **text 34**

otic placode (otp) *1*

otic placode (VIIIp) *1*

oval nucleus [Gurdjian], see suprachiasmatic nucleus

paleocortex, see olfactory cortex

paleostriatum, see pallidum

pallidotegmental fascicle (ptf)

pallidothalamic pathway (pap)

pallidum (PAL) **5**

pallium (PALL)

parabigeminal nucleus [Bechterew] (PBG) **42-44**; 7

parabrachial nucleus (PB) **47-51**; 7

parabrachial nucleus, central lateral part (PBlc) **47-51**

parabrachial nucleus, dorsal lateral part (PBld) **48-49**

parabrachial nucleus, external lateral part (PBle) **47-50**

parabrachial nucleus, external medial part (PBme) **50**

parabrachial nucleus, extreme lateral part (PBlex)

parabrachial nucleus, internal lateral part (PBli)

parabrachial nucleus, lateral division (PBl) **47-51**

parabrachial nucleus, medial division (PBm) **47-51**

parabrachial nucleus, medial medial part (PBmm) **47-51**

parabrachial nucleus, superior lateral part (PBls) **47**

parabrachial nucleus, ventral lateral part (PBlv) **48-52**

parabrachial nucleus, ventral medial part (PBmv) **50**

paracele, see lateral ventricle

paracentral nucleus thalamus (PCN) **28-31**; 7

paracervical ganglion, see pelvic ganglion

parafascicular nucleus [Vogt] (PF) **32-34**; 7

parafloccular sulcus (pfs) **50-59**

paraflocculus (PFL) **50-61**; 7

paragigantocellular reticular nucleus (PGRN) **53-66**; 7

paragigantocellular reticular nucleus, dorsal part (PGRNd) **55-63**

paragigantocellular reticular nucleus, lateral part (PGRNI) **53-66**

paralambdoid septal nucleus, see lateral septal nucleus, intermediate part

paralemniscal nucleus, see nucleus of the lateral lemniscus

paramedian lobule (PRM) **58-68**; 7

paramedian raphé, see superior central nucleus, lateral part

paramedian reticular nucleus [Mislowsky] (PMR) **64-71**; 7

paramedian sulcus (pms) **61-69**

parasolitary nucleus (PAS) **66-69**; 7

parastrial nucleus (PS) **17-21**; 7

parasubiculum, layers 1-6 (PAR1-6) **40-48**; 7

parasympathetic column (IMLp) 7

parasympathetic nervous system [Langley] (PSN)

parasympathetic nervous system, cranial division (PSNc)

parasympathetic nervous system, sacral division (PSNs)

parataenial nucleus (PT) **22-26**; 7

paraterminal body [Elliot Smith], see septal region

paratrigeminal nucleus (PAT) **63-71**; 7

paraventricular nucleus hypothalamus [Malone] (PVH) **22-27**

paraventricular nucleus hypothalamus, anterior magnocellular part (PVHam) **22**

paraventricular nucleus hypothalamus, anterior parvicellular part (PVHap) **22-24**

paraventricular nucleus hypothalamus, descending division (PVHd) 7

paraventricular nucleus hypothalamus, dorsal parvicellular part (PVHdp) **25-26**

paraventricular nucleus hypothalamus, forniceal part (PVHf) **27**

paraventricular nucleus hypothalamus, lateral parvicellular part (PVHlp) **27**

paraventricular nucleus hypothalamus, magnocellular division (PVHm) 7

paraventricular nucleus hypothalamus, medial magnocellular part (PVHmm)

paraventricular nucleus hypothalamus, medial parvicellular part (PVHmp) **25-26**

paraventricular nucleus hypothalamus, medial parvicellular part, dorsal zone (PVHmpd) **25-27**

paraventricular nucleus hypothalamus, medial parvicellular part, ventral zone (PVHmpv) **26**

paraventricular nucleus hypothalamus, parvicellular division (PVHp) 7

paraventricular nucleus hypothalamus, periventricular part (PVHpv) **22-27**

paraventricular nucleus hypothalamus, posterior magnocellular part (PVHpm) **25-27**

paraventricular nucleus hypothalamus, posterior magnocellular part, lateral zone (PVHpml) **25-26**

paraventricular nucleus hypothalamus, posterior magnocellular part, medial zone (PVHpmm) **25-27**

paraventricular nucleus thalamus (PVT) **22-33**; 7

paravertebral ganglia, see sympathetic trunk

parietal region (PTL) 5

parietal region, posterior association areas (PTLp) **32-42**; 7

parolfactory area [Johnston], see septal region

parvicellular oculomotor nucleus [Cajal], see Edinger-Westphal nucleus

parvicellular reticular nucleus (PARN) **51-70**; 7

parvicellular vestibular nucleus, see medial vestibular nucleus

pathetic nerve, see trochlear nerve

pedunclopontine nucleus (PPN) **42-48**; 7

pelvic ganglion (GPE)

perforant path (per)

periaqueductal gray (PAG) **34-47**; 7

perichiasmatic nucleus [Cajal] , see supraoptic nucleus

periependymal longitudinal tract, see dorsal longitudinal fascicle

perihypoglossal nuclei (PHY)

periolivary region (POR) **46-54**; 7

peripeduncular nucleus (PP) **38-39**; 7

peripheral nervous system (PNS)

perireuniens nucleus (PR) **27-30**; 7

perirhinal area (PERI) **28-41**; 7

periventricular bundle hypothalamus (pvbh)

periventricular bundle thalamus (pvbt)

periventricular zone hypothalamus (PVZ) 7

pes pedunculi, see cerebral peduncle

petrosal ganglion, see distal glossopharyngeal ganglion

phrenic nerve (phn) 10

phrenic nucleus (PN) 7

physical coordinates, text 19, 64

pineal gland [Galen] (PIN) 44-46; 4, 5, 9

pineal stalk (PIS) 35-43

piriform area (PIR) 5-33; 7

piriform area, molecular layer (PIR1) 5-33

piriform area, polymorph layer (PIR3) 5-33

piriform area, pyramidal layer (PIR2) 5-33

piriform-amygdaloid area (PAA) 28-32; 7

pituitary gland [Galen] (PIT) 32-40

pituitary gland, anterior lobe (AL) 32-40; 9

pituitary gland, intermediate lobe (IL) 32-39; 9

pituitary gland, neural lobe (NL) 32-39

pituitary stalk, see infundibulum

plane of section, text 24

plexiform ganglion, see nodose ganglion

plexiform layer, see molecular layer

pneumogastric nerve, see vagus nerve

pneumospinal nucleus [Duval], see dorsal motor nucleus of the vagus nerve

pons [Varoli] (P) 1, 4-6, 8, 9

pontine central gray (PCG) 48-54; 7

pontine gray (PG) **42-47**; 7

pontine micturition center, see Barrington's nucleus

pontine reticular nucleus (PRN) **44-52**; 7

pontine reticular nucleus, caudal part (PRNc) **49-52**

pontine reticular nucleus, rostral part (PRNr) **44-48**

porta, see interventricular foramen

postcommissural fornix [Elliot Smith] (fxpo)

posterior column, see dorsal funiculus

posterior commissure [Lieutaud] (pc) **34-37**; 4, 5

posterior complex thalamus (PO) **30-36**; 7

posterior horn, see dorsal horn

posterior hypothalamic nucleus (PH) **29-36**; 7

posterior limiting nucleus thalamus (POL) **37-38**; 7

posterior lobe cerebellum (PLC) 7

posterior longitudinal fascicle, see medial longitudinal fascicle

posterior nucleus amygdala (PA) **30-36**; 7

posterior perforated substance, see interpeduncular nucleus

posterior periventricular nucleus hypothalamus (PVp) **31-35**; 7

posterior pretectal nucleus (PPT) **37-38**

posterior quadrigeminal tubercle, see inferior colliculus

posterior septal complex (PSC) **18-27**

posterior superior fissure (psf) **50-67**

posterodorsal intraculminate fissure (icupd) **55**

posterodorsal preoptic nucleus (PD) **21**; 7

posterolateral fissure (plf) **50-55, 61-65**

posterolateral visual area (VISpl) **45-47**; 7

posteromedial visual area (VISpm) **40-48**; 7

postoptic commissures, see supraoptic commissures

postpiriform transition area (TR) **32-38**; 7

postsubiculum, layers 1-6 (POST1-6) **39-46**; 7

precentral fissure (pce) **49-53**

precentral fissure a (pcea) **51-53**

precentral fissure b (pceb)

precommissural body [Elliot Smith], see septal region

precommissural fornix [Elliot Smith] (fxpr) **18-21**

preculminate fissure (pcf) **49-56**

predorsal bundle [Edinger], see crossed tectospinal pathway

prefrontal region (PFR) 5, 7, 9

prelimbic area (PL) **4-10**; 7, 9

preolivary nucleus [Cajal], see superior olivary complex, periolivary region

preoptic level, hypothalamus [Edinger] (PRO) 5

preoptic periventricular nucleus (PVpo) **20-22**; 7

preoptic periventricular nucleus [Loo], see suprachiasmatic nucleus

prepeduncle, see superior cerebellar peduncle

prepyramidal fissure (ppf) **59-70**

prepyramidal nucleus, see pontine gray

presubiculum, layers 1-6 [Cajal] (PRE1-6) **40-45**; 7

pretectal region [Edinger] (PRT) **34-38**; 4, 5, 7

prevertebral sympathetic ganglia (GPRS)

primary auditory area (AUDp) **30-39**; 7

primary fissure (pri) **49-60**

primary motor area (MOp) **5-31**; 7

primary somatosensory area (SSp) **8-33**; 7

primary somatosensory area, barrel field (SSp-bfd) **16-31**

primary somatosensory area, lower limb region (SSp-ll) **18-27**

primary somatosensory area, mouth region (SSp-m) **8-11**

primary somatosensory area, nose region (SSp-n) **12-17**

primary somatosensory area, trunk region (SSp-tr) **28-31**

primary somatosensory area, upper limb region (SSp-ul) **11-27**

primary visual area (VISp) **35-49**

primitive pit, see Hensen's node

primitive streak (prs) *1*

principal mammillary tract [Kölliker] (pm) **33-36**

principal nucleus hypothalamus [Cajal], see ventromedial nucleus

principal nucleus of the vagus nerve, see dorsal motor nucleus of the vagus nerve

principal sensory nucleus of the trigeminal (PSV) **48-53**; 7

principal superior olive, see superior olivary complex, lateral part

principal vestibular nucleus, see medial vestibular nucleus

proliferation/migration zone, **text 40, 41**

prosubiculum, see subiculum

proximal glossopharyngeal ganglion (GpIX)

proximal glossopharyngeovagal placode (IX/Xpp) *1*

proximal vagal ganglion [Ehrenritter] (GpX) 10

pterygopalatine ganglion [Meckel] (GptVII)

pudental plexus (pup) 10

pulvinar nucleus [Burdach], see lateral posterior nucleus thalamus

pyramidal decussation [Pourfour du Petit] (pyd) 72-73

pyramidal fissure (pyf) 64-70

pyramidal tract [Vieussens] (py) 48-71

pyramus (VIII), sublobules a,b (PYRa,b) 62-71; 7

radial migration, text 48

red nucleus [Burdach] (RN) 38-41; 7

regio inferior, see CA1

regio superior, see CA3

Reil's ribbon or band, see medial lemniscus

respiratory tract [Krause], see solitary tract

restiform body, see inferior cerebellar peduncle

restiform nucleus, see cuneate nucleus

reticular formation [Lenhossék the Elder] (RET)

reticular nucleus spinal cord (RS)

reticular nucleus thalamus [Arnold] (RT) 23-33; 7

reticular process, see reticular nucleus of the spinal cord

reticulocerebellar tract (rct)

reticulospinal tract (rst)

reticulospinal tract , lateral part (rstl)

reticulospinal tract, medial part (rstm)

reticulospinal tract, medullary part, see reticulospinal tract, lateral part

reticulospinal tract, pontine part, see reticulospinal tract, medial part

retina (R)

retina, ganglion cell layer (Rgcl)

retina, inner nuclear layer (Rinl)

retina, inner plexiform layer (Ripl)

retina, outer nuclear layer (Ronl)

retina, outer plexiform layer (Ropl)

retroambiguus nucleus, see nucleus ambiguus

retrochiasmatic area (RCH) **23-26**; 4, 7

retrofacial nucleus, see nucleus ambiguus

retrohippocampal region (RHP)

retrosplenial area (RSP) **25-48**; 7

retrosplenial area, dorsal part (RSPd) **25-48**

retrosplenial area, ventral part (RSPv) **25-45**

retrosplenial area, ventral part, zone a (RSPv-a) **39-44**

retrosplenial area, ventral part, zone b/c (RSPv-b/c) **39-43**

rhinal fissure (rf) **5-27**

rhinal insisure (ri) **5-9**

rhinal region (RHI) 5

rhinocele (RC) **1-9**

rhombencephalon, see hindbrain

rhombic lip (RHL) 1, 4

rhomboid nucleus (brainstem), see inferior olive

rhombooid nucleus [Cajal] (RH) **26-30**; 7

rhombomeres, **text 35, 40**

roof nucleus, see fastigial nucleus

roof plate (rpl) 2

rostral linear nucleus raphé (RL) **37-42**; 7

rostral medullary velum [Vieussens] (RMVE) **48-56**; 4

rostral neuropore (rnp) 3

rostral ventrolateral medulla, see paragigantocellular reticular nucleus, lateral part

rostrolateral visual area (VISrl) **35-37**; 7

rubroreticular tract (rrt)

rubrospinal tract [Monakow] (rust) **38-73**

sacral spinal ganglia, 1-4 (G-S1-4) 10

sacral sympathetic ganglia, 1-4 (Gs-S1-4)

Scarpa's ganglion, see vestibular ganglion

Schwalbe's nucleus, see medial vestibular nucleus

secondary fissure (sec) **62-70**

secondary motor areas (MOs) **4-31**; 7

secondary yolk sac, **text 27**

semilunar ganglion, see trigeminal ganglion

semilunar nucleus brainstem [Cajal], see preolivary nucleus (lateral part)

semilunar nucleus thalamus, see ventral posteromedial nucleus

sensory commissure, see ventral commissure of the spinal cord

sensory nucleus of the trigeminal nerve, see principal sensory nucleus of the trigeminal nerve

sensory nucleus of the vagus and glossopharyngeal nerves, see nucleus of the solitary tract

sensory root of the trigeminal nerve (sV) **47-48**

septal region [Meynert] (SEP) **10-27**; 5, 7

septo-fimbrial nucleus (SF) **18-27**; 7

septohippocampal nucleus (SH) **10-20**

septo-hypothalamic nucleus [Bleier], see lateral septal nucleus, ventral part; anterodorsal preoptic nucleus

simple fissure (sif) **50-60**

simple lobule, sublobules a,b (SIMa,b) **49-60**; 7

soft commissure, see middle commissure of the thalamus

solitary tract (ts) **59-73**

somatic ectoderm (SE) 1, 2

somatic nervous system (SMS)

somatosensory areas (SS) **8-33**; 7

somites, **text 33**

somitomeres, **text 34**

sphenopalatine ganglion, see pterygopalatine ganglion

spinal cord (SP) 2-9

spinal cord, cervical level, segments 1-8 (SP-C1-8) 7

spinal cord, coccygeal level, segments 1-3 (SP-Co1-3) 7

spinal cord, lumbar level, segments 1-6 (SP-L1-6) 7

spinal cord, sacral level, segments 1-4 (SP-S1-4) 7

spinal cord, thoracic level, segments 1-13 (SP-T1-13) 7

spinal nucleus of the trigeminal (SPV) **51-73**

spinal nucleus of the trigeminal oral part, rostral dorsomedial region (SPVOrdm) **51-55**

spinal nucleus of the trigeminal, caudal part (SPVC) **69-73**; 7

spinal nucleus of the trigeminal, interpolar part (SPVI) **61-69**; 7

spinal nucleus of the trigeminal, oral part (SPVO) **51-63**; 7

spinal nucleus of the trigeminal, oral part, caudal dorsomedial region (SPVOcdm) **61-63**

spinal nucleus of the trigeminal, oral part, middle dorsomedial region, dorsal zone (SPVOMdmd) **56-60**

spinal nucleus of the trigeminal, oral part, middle dorsomedial region, ventral zone (SPVOMdmv) **56-60**

spinal nucleus of the trigeminal, oral part, ventrolateral part (SPVOvl) **53-60**

spinal plate (SPP) 1, 2

spinal root of the accessory nerve, see accessory spinal nerve

spinal tract of the trigeminal nerve (sptV) **49-73**

spinal vestibular nucleus (SPIV) **55-65**; 7

spino-olivary pathway (sop)

spinocerebellar tracts (sct) **71-73**

spinocervical tract (scrt)

spinohypothalamic pathway (shp)

spinoreticular pathway (srp)

spinotectal pathway (stp)

spinotelencephalic pathway (step)

spinothalamic tract [Thiele and Horsley] (stt)

spinovestibular pathway (svp)

spiral ganglion [Corti] (GcVIII)

splanchnic nerves (spn) 10

stato-acoustic nerve, see vestibulocochlear nerve

stellate ganglion (GSTL)

stereotaxic coordinates, **text 19, 64**

stigmoid hypothalamic nucleus, see anterior hypothalamic nucleus, dorsal part

stria cornea [Soemmering], see stria terminalis

stria habenularis, see stria medullaris thalamus

stria medullaris (brainstem), see dorsal acoustic stria

stria medullaris (sm) **22-33**

stria semicircularis , see stria terminalis

stria terminalis [Wenzel and Wenzel] (st) **20-34**

striatal ridge, see ventricular ridge

striate area, see primary visual area

striatonigral pathway (snp)

striatum (STR) **5**

subbrachial nucleus, see nucleus brachium inferior colliculus

subcoeruleus nucleus (SLC) **51; 7**

subcommissural nucleus [Ziehen], see paraventricular nucleus hypothalamus

subcommissural organ (SCO) **34-37; 4, 5, 7**

subependymal zone (SEZ) **1-24**

subfornical organ [Pines] (SFO) **22-23; 4, 5, 7, 9**

subiculum [Burdach] (SUB) **32-43**

subiculum, dorsal part (SUBd) **36-40; 7**

subiculum, dorsal part, molecular layer (SUBd-m) **36-40**

subiculum, dorsal part, pyramidal layer (SUBd-sp) **36-40**

subiculum, dorsal part, stratum radiatum (SUBd-sr) **36-40**

subiculum, ventral part (SUBv) **32-43; 7**

subiculum, ventral part, molecular layer (SUBv-m) **32-43**

- subiculum, ventral part, pyramidal layer (SUBv-sp) **32-43**
- subiculum, ventral part, stratum radiatum (SUBv-sr) **32-43**
- sublaterodorsal nucleus (SLD) **47-50**; 7
- submammillothalamic nucleus, see supramammillary nucleus, lateral part
- submandibular ganglion (GsVII)
- submedial nucleus thalamus (SMT) **27-31**; 7
- submucosal plexus [Meissner] (smp)
- subparafascicular nucleus thalamus (SPF) **32-38**
- subparafascicular nucleus thalamus, magnocellular part (SPFm) **32-33**; 7
- subparafascicular nucleus thalamus, parvicellular part (SPFp) **34-38**; 7
- subparaventricular zone hypothalamus (SBPV) **24-26**; 7
- substantia ferruginea [Meynert], see locus coeruleus
- substantia gelatinosa of the trigeminal nerve [Cajal], see spinal nucleus of the trigeminal nerve
- substantia gelatinosa spinal cord [Rolando] (SGE) 7
- substantia gliosa paracochlearis [Meessen and Olszewski], see granular lamina of the cochlear nuclei
- substantia innominata [Reil, Reichert] (SI) **10-29**; 7
- substantia nigra [Soemmerring, Vicq d'Azyr] (SN) **34-41**; 7
- substantia nigra, compact part (SNc) **35-40**
- substantia nigra, lateral part, see substantia nigra, compact part
- substantia nigra, reticular part (SNr) **34-41**
- substriatal gray [Crosby and Humphrey], see fundus of the striatum
- subthalamic fascicle (stf)
- subthalamic nucleus [Luys] (STN) **30-33**; 7
- sulcus limitans (sl) *1-4*

sulcus medullaris (sme) 4, 5

sulcus terminalis (ste) 4, 5

sulcus ventralis (sve) 4

superior (motor) nucleus of the trigeminal nerve, see mesencephalic nucleus of the trigeminal nerve

superior central nucleus raphé [Bechterew] (CS) **43-48**

superior central nucleus raphé, lateral part (CSl) **44-48**; 7

superior central nucleus raphé, medial part (CSm) **43-48**; 7

superior cerebellar peduncle (scp) **41-52**

superior cervical ganglion (GSC) 10

superior colliculus (SC) **36-46**; 4, 7

superior colliculus, deep gray layer (SCdg) **37-46**

superior colliculus, deep white layer (SCdw) **38-45**

superior colliculus, intermediate gray layer, sublayers a-c (SCig-a,b,c) **36-45**

superior colliculus, intermediate white layer (SCiw) **40-45**

superior colliculus, optic layer (SCop) **38-45**

superior colliculus, superficial gray layer (SCsg) **38-45**

superior colliculus, zonal layer (SCzo) **38-45**

superior glossopharyngeal ganglion, see proximal glossopharyngeal ganglion

superior masticatory nucleus, see mesencephalic nucleus of the trigeminal nerve

superior mesenteric ganglia (GSM)

superior nucleus hypothalamus [Cajal], see dorsomedial nucleus hypothalamus

superior olivary complex [Schroeder van der Kolk] (SOC) **49-52**; 5

superior olivary complex, lateral part (SOCl) **50-52**; 7

superior olivary complex, medial part (SOCm) **49-52**; 7

superior olive [Luys], see red nucleus

superior parolivary nucleus, see superior olivary complex, medial part

superior periolivary nucleus, see periolivary region

superior petrosal ganglion, see proximal glossopharyngeal ganglion

superior salivatory nucleus (SSN) **52-57**; 7

superior vestibular nucleus [Bechterew] (SUV) **51-55**; 7

supplemental somatosensory area (SSs) **15-29**; 7

supracallosal gyrus, see induseum griseum

suprachiasmatic nucleus [Spiegel and Zwieg] (SCH) **21-24**; 7

suprachiasmatic nucleus, dorsomedial part (SCHd)

suprachiasmatic nucleus, ventrolateral part (SCHv)

suprachiasmatic preoptic nucleus (PSCH) **18-20**; 7

suprageniculate nucleus (SGN) **36-39**; 7

supragenual nucleus [Meessen and Olszewski] (SG) **52-54**; 7

supramammillary decussation (smd) **34-35**

supramammillary nucleus [Cajal] (SUM) **33-36**

supramammillary nucleus, lateral part (SUMl) **33-36**; 7

supramammillary nucleus, medial part (SUMm) **35-36**; 7

supraoptic commissures (sup) **24-30**

supraoptic commissures, anterior [Ganser] (supa)

supraoptic commissures, dorsal [Meynert] (supd)

supraoptic commissures, ventral [Gudden] (supv)

supraoptic nucleus [Lenhossék] (SO) **20-26**; 7

supraoptic nucleus, retrochiasmatic part (SO_r) **27-28**

suprapeduncular nucleus [Cajal] , see nucleus of the brachium of the inferior colliculus

supratrigeminal nucleus (SUT) **49-52**

sympathetic chain (S) *10*

sympathetic column (IMLs) *7*

sympathetic nervous system (SNS)

synencephalon (SY) *4*

taenia tecta (TT)

taenia tecta, dorsal part, layers 1-4 (TTd1-4) **5-13**; *7*

taenia tecta, ventral part, layers 1-3 (TTv1-3) **5-9**; *7*

tangential nucleus [Gurdjian], see supraoptic nucleus

tectospinal pathway (tsp) **40-73**

tectospinal pathway, crossed [Edinger] (tspc)

tectospinal pathway, direct (tspd)

tectothalamic pathway (ttp)

tectum (TC) *1-4, 6-9*

tegmental nucleus, see red nucleus

tegmental reticular nucleus, pontine gray [Bechterew] (TRN) **44-51**; *7*

tegmentum (TG) *1-4, 6-9*

telencephalic roof plate (trp) *4*

telencephalon (TL) *1, 4, 5, 8*

temporal pole (TEP) **31**; *5, 7*

temporal region (TE) *5, 7*

terminal ganglion (GTE) *1*

terminal nerve (tn)

terminal plate, [text 37, 42](#)

testes, see inferior colliculus

thalamic peduncles (tp) **27**

thalamus (TH) **22-39**; 1-9

third ventricle (V3) **19-38**; 5, 9

third ventricle, infundibular recess (V3ir) **4**

third ventricle, mammillary recess (V3m) **33-35**

third ventricle, periventricular recess (V3r) **29**

third ventricle, preoptic recess [Edinger] (V3p) **16-18**

thoracic nucleus, see dorsal nucleus

thoracic spinal ganglia, 1-13 (G-T1-13)

thoracic sympathetic ganglia, 3-13 (Gs-T3-13)

torus hemisphericus (the) **4**

torus transversus (ttr) **4**

torus transversus, [text 42](#)

transpeduncular tract, see accessory optic tract

trapezoid body [Treviranus] (tb) **45-56**

triangular nucleus septum [Cajal] (TRS) **20-21**; 7

triangular vestibular nucleus, see medial vestibular nucleus

trigeminal ganglion [Vieussens, Gasser] (GV) **49**

trigeminal nerve (Vn) **44-50**

trigeminal placode (Vpla) **1**

trigeminocerebellar tract (tct)

trilaminar germ disc, [text 27](#)

trochlear nerve (IVn) **45-49**

trochlear nucleus (IV) **44**; 7

tuberal area, hypothalamus (TUA) 7

tuberal level, hypothalamus (TUB) 5

tuberal magnocellular nucleus, see tuberomammillary nucleus, dorsal part

tuberomammillary nucleus (TM) **32-36**; 7

tuberomammillary nucleus, dorsal part (TMd) **32**

tuberomammillary nucleus, ventral part (TMv) **33-36**

Türk's bundle, see corticospinal tract, uncrossed

uncinate fascicle [Russell] (uf) **54-55**

uvula (IX), sublobules ab,c (UVUab,c) **59-71**

uvular fissure 1 (uf1) **65-70**

vagus nerve (Xn)

vascular organ of the lamina terminalis (OV) **17**; 4, 5, 7

vascular system, **text 8, 23**

velum interpositum (VIP) **23-37**

velum transversum (vtr) 4

velum transversum, *text 42*

ventral anterior-lateral complex thalamus (VAL) **25-30**; 7

ventral auditory areas (AUDv) **30-38**; 7

ventral cochlear nucleus (VCO) **49-57**

ventral cochlear nucleus, anterior part (VCOa) **49-54**; 7

ventral cochlear nucleus, posterior part (VCOp) **54-57**; 7

ventral column, see ventral funiculus

ventral commissure of the spinal cord (vc)

ventral commissure, spinal cord (vwc)

ventral hippocampal commissure (vhc) **21-26**; 4, 5

ventral horn spinal cord (VH) **73**; 7

ventral medial nucleus thalamus (VM) **27-32**; 7

ventral motor nucleus of the vagus nerve, see nucleus ambiguus

ventral nuclei, dorsal thalamus (VENT) 5, 7

ventral nucleus of the glossopharyngeal nerve, see nucleus ambiguus

ventral pallidum [Heimer], see substantia innominata

ventral posterior complex thalamus (VP) **27-35**

ventral posterolateral nucleus thalamus (VPL) **27-34**; 7

ventral posterolateral nucleus thalamus, parvicellular part (VPLpc) **32-33**; 7

ventral posteromedial nucleus thalamus (VPM) **28-35**; 7

ventral posteromedial nucleus thalamus, parvicellular part (VPMpc) **32-33**; 7

ventral premammillary nucleus (PMv) **32-33**; 7, 9

ventral prepyramidal nucleus [Kölliker], see pontine gray

ventral psalterium, see ventral hippocampal commissure

ventral roots [Coiter] (vrt)

ventral spinocerebellar tract [Gowers] (sctv) **45-70**

ventral spinothalamic tract (sttv)

ventral striatum [Heimer], see fundus of the striatum; nucleus accumbens

ventral tegmental area [Tsai] (VTA) **34-43**; 7

ventral tegmental decussation [Forel] (vtd) **40-42**

ventral tegmental nucleus [Gudden] (VTN) **46-47**; 7

ventral tegmental nucleus [Rioch], see ventral tegmental area

ventral temporal association areas (TEv) **29-46**; 7

ventral thalamus (VNT) 5, 7

ventricular ridge (primary) (VRp)

ventricular system (VS)

ventricular system, **text 8, 49**

ventrobasal complex [Rose and Mountcastle], see ventral posterior complex

ventrolateral juxtaolivary nucleus, see dorsal accessory olive

ventrolateral medulla, see paragigantocellular reticular nucleus, lateral part

ventromedial juxtaolivary nucleus, see postpyramidal nucleus

ventromedial nucleus hypothalamus (VMH) **26-30**

ventromedial nucleus hypothalamus, anterior part (VMHa) **26**

ventromedial nucleus hypothalamus, central part (VMHc) **27-30**

ventromedial nucleus hypothalamus, dorsomedial part (VMHdm) **27-29**

ventromedial nucleus hypothalamus, ventrolateral part (VMHvl) **27-30**

vermal regions, cerebellum (VERM)

vesicular column, see dorsal nucleus spinal cord

vestibular ganglion [Scarpa] (GvVIII)

vestibular nerve (vVIIIIn) **52-55**

vestibular nuclei (VNC) **51-64**

vestibulocerebellar tract, see juxtarestiform body

vestibulocochlear nerve (VIIIIn) **49-53**

vestibulospinal pathway (vsp)

visceral area (VISC) **14-28**

visual areas (VIS) **35-49**; 7

vomeronasal nerve (von) **3**

white commissure, see ventral commissure of the spinal cord

Wrisberg's nerve, see intermediate nerve

xiphoid thalamic nucleus, see nucleus reuniens, median part

zona incerta (ZI) **25-37**; 7

zona incerta, dopaminergic group (ZIda) **28**; 7

zona limitans (zl) **16-19**

Zuckerlandl's bundle, see diagonal band