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To cite this version:
Jean-Jacques Lemaire. MRI Atlas of the Human Deep Brain. 2019. hal-02116633

HAL Id: hal-02116633
https://hal.uca.fr/hal-02116633
Submitted on 1 May 2019

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# MRI ATLAS of the HUMAN DEEP BRAIN

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## MRI Deep Brain Atlas

| Acronym | MDBA name | NeuroNames (ID) | Foundational Model of Anatomy (ID) | Terminologia Anatomica 1998 (ID) | Terminologia neuroanatomica 2017 | usages, classical and french terminologies |
|---------|------------|-----------------|-----------------------------------|---------------------------------|---------------------------------|---------------------------------------------|
| ot      | optic tract | http://braininfo.psyc.washington.edu | http://www.snpf.ch/lais/PatExKlee/Page/14/98/20 Tree/AppFocus/SNPHTreeFocusTERMA.pdf | http://flap.library.dal.ca/Temp/content/pdfs/2017/02/FIPAT-TNA-Front-Matter.pdf | others usages | FR (in Laget; Talairach et al, Déjerine, Duvernoy, Guillaume & Bertrand) |
| dm-nu-hypot | dorsomedial nucleus of hypothalamus | http://braininfo.psyc.washington.edu | http://www.snpf.ch/lais/PatExKlee/Page/14/98/20 Tree/AppFocus/SNPHTreeFocusTERMA.pdf | http://flap.library.dal.ca/Temp/content/pdfs/2017/02/FIPAT-TNA-Front-Matter.pdf | others usages | In Riley, Olszewski & Baxter, Schaltenbrand & Bailey and Nieuwenhuys, Voogd & Van Huijzen |
| inf-nu-hypot | infundibular nucleus of hypothalamus | http://braininfo.psyc.washington.edu | http://www.snpf.ch/lais/PatExKlee/Page/14/98/20 Tree/AppFocus/SNPHTreeFocusTERMA.pdf | http://flap.library.dal.ca/Temp/content/pdfs/2017/02/FIPAT-TNA-Front-Matter.pdf | others usages | In Riley, Olszewski & Baxter, Schaltenbrand & Bailey and Nieuwenhuys, Voogd & Van Huijzen |
| l-hypot-a | lateral hypothalamic area | http://braininfo.psyc.washington.edu | http://www.snpf.ch/lais/PatExKlee/Page/14/98/20 Tree/AppFocus/SNPHTreeFocusTERMA.pdf | http://flap.library.dal.ca/Temp/content/pdfs/2017/02/FIPAT-TNA-Front-Matter.pdf | others usages | In Riley, Olszewski & Baxter, Schaltenbrand & Bailey and Nieuwenhuys, Voogd & Van Huijzen |
| i-hypot-a | lateral intermediate hypothalamic area | http://braininfo.psyc.washington.edu | http://www.snpf.ch/lais/PatExKlee/Page/14/98/20 Tree/AppFocus/SNPHTreeFocusTERMA.pdf | http://flap.library.dal.ca/Temp/content/pdfs/2017/02/FIPAT-TNA-Front-Matter.pdf | others usages | In Riley, Olszewski & Baxter, Schaltenbrand & Bailey and Nieuwenhuys, Voogd & Van Huijzen |
| mb | mammillary body | http://braininfo.psyc.washington.edu | http://www.snpf.ch/lais/PatExKlee/Page/14/98/20 Tree/AppFocus/SNPHTreeFocusTERMA.pdf | http://flap.library.dal.ca/Temp/content/pdfs/2017/02/FIPAT-TNA-Front-Matter.pdf | others usages | In Riley, Olszewski & Baxter, Schaltenbrand & Bailey and Nieuwenhuys, Voogd & Van Huijzen |
| post-nu-hypot | posterior nucleus of hypothalamus PH | http://braininfo.psyc.washington.edu | http://www.snpf.ch/lais/PatExKlee/Page/14/98/20 Tree/AppFocus/SNPHTreeFocusTERMA.pdf | http://flap.library.dal.ca/Temp/content/pdfs/2017/02/FIPAT-TNA-Front-Matter.pdf | others usages | In Riley, Olszewski & Baxter, Schaltenbrand & Bailey and Nieuwenhuys, Voogd & Van Huijzen |

## hypotalamus

| | | | | | | |
|---|---|---|---|---|---|
| ot | optic tract | optic tract (460) | optic tract (62046) | tractus opticus (A14.1.08.404) | tractus opticus | tractus optique; bandelette optique (trémauxmatiques); fasciculus opticus |
| dm-nu-hypot | dorsomedial nucleus of hypothalamus | dorsomedial nucleus of the hypothalamus (397) | nucleus dorsomedialis (A14.1.08.922) | nucleus dorsomedialis hypothalami | nucleus dorso-médian de l'hypothalamus |
| inf-nu-hypot | infundibular nucleus of hypothalamus | arcuate nucleus of the hypothalamus (395) | nucleus arcuatus (A14.1.08.923) | nucleus arcuatus; semilunaris; infundibular | noyau arqué (infundibulaire) de l'Hypothalamus |
| l-hypot-a | lateral hypothalamic area | lateral hypothalamic area (426) | area hypothalamica lateralis (A14.1.08.929) | area hypothalamicae lateralis | area hypothalamique latérale; zone latérale de l'Hypothalamus |
| i-hypot-a | lateral intermediate hypothalamic area | | | | overlap of the lateral hypothalamic area and the tuberomammillary nucleus of hypothalamus |
| mb | mammillary body | mammillary body (412) | corpus mammillare (A14.1.08.402); area hypothalamica posterior (A14.1.08.933) | corpus mammillare | corpus mammillare; albicans; candescans; ganglion mammillare |
| post-nu-hypot | posterior nucleus of hypothalamus PH | posterior nucleus of hypothalamus (77685) | nucleus dorsalis hypothalami (A14.1.08.921) | nucleus posterior hypothalami | dorsal nucleus; arie hypothalamique postérieure; aire hypothalamique dorsale |
| | | | | | nucleus hypothalamus posterior or area hypothalamica posterior |
| Abb | Name                                      | Synonym                                                                 | ID                                                                 | ID                                                                 | ID                                                                 | Ref                                                                 |
|-----|-------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------|
| pr-nu-hypot | paraventricular nucleus of hypothalamus | (427)                                                                   | nucleus paraventricularis hypothalami                               | (A14.1.08.924)                                                     | area preoptica (A14.1.08.407); area hypothalamic nucleus rostralis | (A14.1.08.902)                                                     |
| po-nu-hypot | preoptic nucleus of hypothalamus         | (377)                                                                   | area preoptica (A14.1.08.407); area hypothalamic nucleus rostralis | (A14.1.08.902)                                                     | area hypothalamic nucleus anterior (chiasmatica)                    | (427)                                                               |
| so-nu-hypot | suprachiasmatic nucleus & supra-optic nucleus of hypothalamus | (384); (385)                                                           | nucleus suprachiasmaticus (A14.1.08.911); nucleus suprapoeticus (A14.1.08.912); area hypothalamic nucleus rostralis (A14.1.08.902) | (A14.1.08.902)                                                     | nucleus suprachiasmaticus & nucleus suprapoeticus                     | (A14.1.08.911)                                                     |
| tm-nu-hypot | tuberomammillary nucleus of hypothalamus | (427)                                                                   | nucleus tuberomammilaris                                           | (A14.1.08.932)                                                     | nucleus ventromedialis hypothalami                                 | (A14.1.08.928)                                                     |
| vm-nu-hypot | ventromedial nucleus of hypothalamus     | (398)                                                                   | nucleus ventromedialis hypothalami                                 | (A14.1.08.928)                                                     | nucleus ventromedialis hypothalami                                 | (A14.1.08.928)                                                     |
| az-stf | anterior zone of subthalamic tegmental field | n.a.                                                                   | ventrolateral and inferior region of the tegmental pontomesencephalic reticular formation; and more specifically of the pedunculopontine nucleus | n.a.                                                               | ventilateur à la H field                                             | n.a.                                                               |
| au   | area U                                    | n.a.                                                                   | n.a.                                                               |                                                                                                                   |                                                                                                                   |                                                                                                                   |
| br-conj | brachium conjunctivum                     | superior cerebellar peduncle, superior cerebellar peduncle of the pons (1736); superior cerebellar peduncle (72495); pedunculus cerebellaris superior (A14.1.05.006) | superior cerebellar peduncle (A14.1.05.006) | superior cerebellar peduncle (& commissure of Wermekink, horseshoe commissure)                                         | pédoncule cérébelle supérieur; brachium conjunctivum (& commissure de Wermekink, entrecroisement du pédoncule cérébelle supérieur) | tractus cerebello-rustralis; tractus cerebello-tegmentalis cerebralis |
| br-i-coll | brachium of inferior colliculus           | brachium of the inferior colliculus (480); brachium of inferior colliculus (71114); brachium colliculi inferior (A14.1.06.012) | brachium colliculi inferior (A14.1.06.012) | auditory pathway (med-sial geniculate body); bras conjoinctival inférieur ou postérieur; brachium (pedunculus) colliculi inferioris | auditory pathway (med-sial geniculate body); bras conjoinctival inférieur ou postérieur; brachium (pedunculus) colliculi inferioris | auditory pathway (med-sial geniculate body); bras conjoinctival inférieur ou postérieur; brachium (pedunculus) colliculi inferioris |
| br-s-coll | brachium of superior colliculus           | brachium of the superior colliculus (474); brachium of the superior colliculus (72417); brachium colliculi superior (A14.1.06.013) | brachium colliculi superior (A14.1.06.013) | visual pathway (lateral geniculate body); bras conjoinctival supérieur ou antérieur; brachium (pedunculus) colliculi superioris | visual pathway (lateral geniculate body); bras conjoinctival supérieur ou antérieur; brachium (pedunculus) colliculi superioris | visual pathway (lateral geniculate body); bras conjoinctival supérieur ou antérieur; brachium (pedunculus) colliculi superioris |
| c-teg-tr | central tegmental tract                   | central tegmental tract of the midbrain, pons (2204); central tegmental tract (83850); tractus tegmentalis centralis (A14.1.05.325) | tractus tegmentalis centralis (A14.1.05.325) | tractus tegmentalis centralis                                     | tractus tegmentalis centralis                                     | tractus tegmentalis centralis                                     |
| Term | Synonyms and Details |
|------|---------------------|
| cz-teg | central zone of tegmentum |
| dlon-fa | dorsal longitudinal fascicle |
| dz-stf | dorsal zone of subthalamic tegmental field |
| f-h-f | Forel’s H field |
| i-coll | inferior colliculus |
| i-c-gray | interbrain central gray |
| inf-phga | inferior parabigeminal area |
| ipn-ni | interpeduncular paragranigra nuclei |
| l-lem | lateral lemniscus |
| lz-stf | lateral zone of subthalamic tegmental field |
| m-lem | medial lemniscus |

**Dorsal Longitudinal Fasciculus (dlon-fa):**
- Dorsal longitudinal fasciculus of medulla (1573)
- Dorsal longitudinal fasciculus posterior, dorsalis (A14.1.04.111)
- Fasciculus longitudinalis posterior
- Dorsal or posterior longitudinal fasciculus; dorsal longitudinal fasciculus of Schultze (Schuetz or Schüts)
- Faisceau longitudinal dorsal; faisceau de Schütz, Schüts
- Fasciculus longitudinals periependymalis or periaquaeuductalis; tegmentalis dorsalis; tractus bulbo-thalamicus, periventricular fibre system

**Dorsal Zone of Subthalamic Tegmental Field (dz-stf):**
- Nucleus of field h (62037)
- Nucleus of field h (H) (A14.1.08.704)
- Colliculus inferior or caudalis or posterior; corpus quadrigemini inferius or posterius

**Forel’s H Field (f-h-f):**
- Field H (440)
- Nucleus of field h (62037)
- Nucleus of field h (H) (A14.1.08.704)
- Colliculus inferior or caudalis or posterior; corpus quadrigemini inferius or posterius

**Fasciculus Longitudinalis Posterior (i-coll):**
- Inferior colliculus (476)
- Inferior colliculus (62404)
- Inferior colliculus (A14.1.06.014)
- Posterior colliculus

**Fasciculus Longitudinalis Posterior (i-c-gray):**
- Interbrain central gray (15884)
- Nucleus parabigeminalis (A14.1.06.320)
- Nucleus parabigeminalis (A14.1.08.704)

**Fasciculus Longitudinalis Posterior (inf-phga):**
- Parabigeminal area (1241) and cuneiform nucleus (502)
- Parabigeminal nucleus (72415)
- Nucleus parabigeminalis (A14.1.06.320)
- The parabigeminal area (Riley) is contained within the nucleus cuneiformis (Olszewski & Baxter)

**Fasciculus Longitudinalis Posterior (ipn-ni):**
- Interpeduncular nucleus (522) and paragranigral nucleus (1252)
- Interpeduncular nucleus (72439) and paragranigral nucleus (77497)
- Nucleus interpudendularis (A14.1.06.313) and nucleus paragranigralis (A14.1.06.333)
- Nucleus interpudendularis and nucleus paragranigralis

**Fasciculus Longitudinalis Posterior (l-lem):**
- Lateral lemniscus (609)
- Lateral lemniscus (72502)
- Lemniscus lateralis (A14.1.05.317)
- Lemniscus lateralis

**Fasciculus Longitudinalis Posterior (lz-stf):**
- Lateral zone of subthalamic tegmental field
- Nucleus parabigeminalis (A14.1.06.320)
- The parabigeminal area (Riley) is contained within the nucleus cuneiformis (Olszewski & Baxter)

**Fasciculus Longitudinalis Posterior (m-lem):**
- Medial lemniscus (1583)
- Medial lemniscus (83675)
- Lemniscus medialis (A14.1.04.111)
- Lemniscus medialis

**Fasciculus Longitudinalis Posterior (n-a):**
- Nucleus parabigeminalis (A14.1.06.320)
- The parabigeminal area (Riley) is contained within the nucleus cuneiformis (Olszewski & Baxter)

**Fasciculus Longitudinalis Posterior (n-a):**
- Area paragranum posterius; area bigemina; area cuneiformis; nuclei cuneiformis and nigræ

**Fasciculus Longitudinalis Posterior (n-a):**
- Nucleus interpeduncularis; nucleus paragranigralis; possibly nucleus medialis tegmento-peduncularis or tegmenti, and area reticulata substantiae nigrae

**Fasciculus Longitudinalis Posterior (n-a):**
- Ruban de Reil latéral, lemniscus latéral; ruban de Reil, portion postérieure; ruban de Reil inférieur
- Lemniscus acusticus, latéralis

**Fasciculus Longitudinalis Posterior (n-a):**
- Ruban de Reil médian; lemniscus médian; ruban de Reil, portion antérieure; lemniscus
- Lemniscus sensitivus, medialis
| **mlon-fa** | medial longitudinal fascicle | **mlon-fa** | medial longitudinal fascicles of medulla | **mlon-fa** | fasciculus longitudinalis medialis | **mlon-fa** | medial longitudinal fascicle | **mlon-fa** | tractus longitudinalis medialis; fasciculus commissurae posteriores; fasciculus longitudinalis dorsalis or posteriors |
|------------|-----------------------------|------------|------------------------------------------|------------|---------------------------------|------------|-----------------------------|------------|------------------------------------------------------|
| **mz-stf** | medial zone of subthalamic tegmental field | n.a. | n.a. | n.a. | medial to the H field | n.a. |
| **om-n**  | oculomotor nerve (III) | oculomotor nerve (488) | n.a. | nervus oculomotorius [III] (A14.2.01.007) | nervus oculomotorius communis; third cerebral (cranial) nerve | n.a. |
| **pag**   | periaqueductal gray | periaqueductal gray (510) | central gray-grey substance (83134) | substantia grisea centralis (A14.1.06.321) | substantia grisea centralis; substantia grisea postrema; substantia grisea commissuralis; substantia grisea medullae; substance grisea pélvica; substance grisea ventriculi; substantia grisea medulla; substantia grisea medulla posterior; substantia grisea medulla centralis | n.a. |
| **per-ped-nu** | peri peduncular nucleus | peri peduncular nucleus of pons (77123) | nucleus peduncularis (A14.1.05.207) | nucleus peripeduncularis | peduncular nucleus | n.a. |
| **ped-p-fi** | pedunculopontine fibers | fasciculus obliquus crucis cerebri (1569) | n.a. | n.a. |n.a. |n.a. |
| **ped-p-nu** | pedunculopontine nucleus | pedunculopontine nucleus (509) | nucleus tegmental Pedunculopontinus (A14.1.06.336) | nucleus tegmental Pedunculopontinus (A14.1.06.336) | nucleus tegmental Pedunculopontinus (A14.1.06.336) | nucleus pedunculopontinus (nucleus tegmental Pedunculopontinus) | n.a. |
| **p-g**   | pineal gland | pineal gland (297) | pineal body/gland (62033) | glandula pinealis (A11.2.00.001) | glandula pinealis | n.a. |
| **q-fa**  | fascicle | n.a. | n.a. | fasciculus Q of Sano | n.a. |
| **rn**    | red nucleus | red nucleus (and its capsule) (505) | red nucleus (62407) | nucleus ruber, magnocellularis, parvocellularis and postrema (A14.1.06.323) | nucleus ruber | n.a. |
| **rn-cd** | red nucleus, caudal part | n.a. | n.a. | n.a. | n.a. |
| **rn-cr** | red nucleus, cranial part | n.a. | n.a. | n.a. | n.a. |
| **ret-fa** | retroflexus fascicle | fasciculus retroflexus of the interbrain (461) | habenulointerpeduncular tract (72400) | tractus habenulo-interpeduncularis; tractus habenulo-interpeduncularis bundle of Meynert | tractus habenulo-interpeduncularis tract; fasciculus, fascicule de Meynert; fascicule retroflexe | n.a. |
| **s-coll** | superior colliculus | superior colliculus (473) | superior colliculus (62403) | colliculus superior (A14.1.06.015) | colliculus superior | anterior colliculus | n.a. |

**Abbreviations:**
- **mlon-fa**: medial longitudinal fascicle
- **mz-stf**: medial zone of subthalamic tegmental field
- **om-n**: oculomotor nerve (III)
- **pag**: periaqueductal gray
- **per-ped-nu**: peri peduncular nucleus
- **ped-p-fi**: pedunculopontine fibers
- **ped-p-nu**: pedunculopontine nucleus
- **p-g**: pineal gland
- **q-fa**: fascicle
- **rn**: red nucleus
- **rn-cd**: red nucleus, caudal part
- **rn-cr**: red nucleus, cranial part
- **ret-fa**: retroflexus fascicle
- **s-coll**: superior colliculus

**Additional Notes:**
- **n.a.**: Not applicable
- **fasciculus Q**: Fasciculus Q of Sano, fibers medialis substantiae nigrae
- **nucleus ruber**: Nucleus ruber, nucleus ruber tegmenti, nucleus ruber tegmenti
- **pars caudalis**: Pars caudalis
- **pars rostralis**: Pars rostralis
- **fasciculus retroflexus**: Fasciculus retroflexus, Fascicule de Meynert, Fascicule de Meynert, Fascicule retroflexe, Fascicule retroflexus
- **mesencephalon**: Mésencéphale
| ac   | anterior commissure | anterior hypothalamic comissure | commissura anterior | commissura anterior | AC | commissura blanche antérieure (CA) | commissura anterior or olfactory or rostralis |
|------|---------------------|--------------------------------|---------------------|---------------------|-----|--------------------------------|-------------------------------------------|
| a-lam-gpi | accessory lamina of internal globus pallidus | accessory medullary lamina | lamina medullaris accessoria | lamina medullaris accessoria | within Gpi | lamina medullaris accessoria (paldii), incompleta | lamina medullaris accessoria |
| acc-nu | accumbens nucleus | nucleus accumbens (277) | nucleus accumbens (61889) | nucleus accumbens (A14.1.09.440) | nucleus accumbens | noyau accumbens; point de substance grise unissant la partie inférieure des noyaux caudé et lenticulaires; involvè les " noyaux caudaliens" | fundus striati; involves the colliculus nucleus caudatus; nucleus accumbens septi; nucleus parolfactorius lateralis; bed of the stria terminals |
| alen | ansa lenticularis | ansa lenticularis (444) | ansa lenticularis (62070) | ansa lenticularis (A14.1.08.663) | ansa lenticularis | anse lenticulaire; anse du noyau lenticulaire | ansa lenticularis; part of the "système en peigne"; pars pallido-thalamic of radiate fibers of striatum; the lateral part of the basal forebrain bundle |
| zi | zona incerta | zona incerta (438) | zona incerta (62038) | zona incerta | zona incerta | zona incerta de Forel | nucleus area tegmenti, campi of Forel, infrasensibilis, of Cajal, of zona incerta |
| vta | region of the ventral tegmental area | ventral tegmental area (521) | n.a. | ventral tegmental area (VTA) of Tsai / may include the ento(do)peduncular nucleus/nucleus of ansa lenticularis and the H2 field; area hypothalamina dorsalis (nuclei dorsoemendants, endopedunculaires, ansae lenticularis) | ventral tegmental area; dorsal hypothalamic region or area; area densa | aire ventrale de la calotte; aire de Tsai (noyau ventral de la calotte) & noyau interpédonculaire & endopedunculaire | ventral tegmental area; dorsal hypothalamic region or area; area densa |
| teg-pm-ref-for | tegmental pontomesencephalic reticular formation | formatio reticularis (1223) | reticular formation (77719) | formatio reticularis | formatio reticularis | formatio, substantia, reticularis | formatio reticularis; tegmental reticular formation of the pons, midbrain and ventral thalamus |
| tr-n | trochlear nerve | trochlear nerve (466) | n.a. | nerves trochleares [IV] | nerves trochleares | pathic nerve | nerve pathétique ou trochloïaire |
| vta | region of the ventral tegmental area | ventral tegmental area (521) | n.a. | ventral tegmental area (VTA) of Tsai / may include the ento(do)peduncular nucleus/nucleus of ansa lenticularis and the H2 field; area hypothalamina dorsalis (nuclei dorsoemendants, endopedunculaires, ansae lenticularis) | ventral tegmental area; dorsal hypothalamic region or area; area densa | aire ventrale de la calotte; aire de Tsai (noyau ventral de la calotte) & noyau interpédonculaire & endopedunculaire | ventral tegmental area; dorsal hypothalamic region or area; area densa |
| sn | substantia nigra | nucleus substantia nigra (2487) | substantia nigra (67947) | substantia nigra (A14.1.06.111) | substantia nigra | substantia nigra (67947) | substantia nigra (A14.1.06.111) |
| spi-th-fa | spinothalamic fascicle | spinothalamic tract (2058) | set of spinothalamic fibers (75206) | spinae spinothalamicae | spinae spinothalamicus | made of the anterior and lateral spinothalamic fibers of the medulla | faisceau spino-thalamique |
| st-nu | subthalamic nucleus | subthalamic nucleus (and its capsule) (435) | nucleus subthalamicus (62053) | nucleus subthalamicus (A14.1.08.702) | nucleus subthalamicus | body of Lays; corpus Luysi; STN | corps de Lays; noyau sous-thalamique |
| sup-phga | superior parabigeminal area | parabigeminal area (1241) and cuneiform nucleus (502) | nucleus parabigeminalis | nucleus parabigeminalis | nucleus parabigeminalis | the parabigeminal area (Riley) is contained within the nucens cuneiformes (Olszewski & Baxter) | aire parabigéminale; area cuneiformes; nuclei cuneiformes and |
| teg-pm-ref-for | tegmental pontomesencephalic reticular formation | formatio reticularis (1223) | reticular formation (77719) | formatio reticularis | formatio reticularis | formatio reticularis | formatio, substantia, reticularis |
| sn | substantia nigra | nucleus substantia nigra (2487) | substantia nigra (67947) | substantia nigra (A14.1.06.111) | substantia nigra | substantia nigra (67947) | substantia nigra (A14.1.06.111) |
| spi-th-fa | spinothalamic fascicle | spinothalamic tract (2058) | set of spinothalamic fibers (75206) | spinae spinothalamicae | spinae spinothalamicus | made of the anterior and lateral spinothalamic fibers of the medulla | faisceau spino-thalamique |
| st-nu | subthalamic nucleus | subthalamic nucleus (and its capsule) (435) | nucleus subthalamicus (62053) | nucleus subthalamicus (A14.1.08.702) | nucleus subthalamicus | body of Lays; corpus Luysi; STN | corps de Lays; noyau sous-thalamique |
| sup-phga | superior parabigeminal area | parabigeminal area (1241) and cuneiform nucleus (502) | nucleus parabigeminalis | nucleus parabigeminalis | nucleus parabigeminalis | the parabigeminal area (Riley) is contained within the nucens cuneiformes (Olszewski & Baxter) | aire parabigéminale; area cuneiformes; nuclei cuneiformes and |
| teg-pm-ref-for | tegmental pontomesencephalic reticular formation | formatio reticularis (1223) | reticular formation (77719) | formatio reticularis | formatio reticularis | formatio reticularis | formatio, substantia, reticularis |
| tr-n | trochlear nerve | trochlear nerve (466) | n.a. | nerves trochleares [IV] | nerves trochleares | pathic nerve | nerve pathétique ou trochloïaire |
| vta | region of the ventral tegmental area | ventral tegmental area (521) | n.a. | ventral tegmental area (VTA) of Tsai / may include the ento(do)peduncular nucleus/nucleus of ansa lenticularis and the H2 field; area hypothalamina dorsalis (nuclei dorsoemendants, endopedunculaires, ansae lenticularis) | ventral tegmental area; dorsal hypothalamic region or area; area densa | aire ventrale de la calotte; aire de Tsai (noyau ventral de la calotte) & noyau interpédonculaire & endopedunculaire | ventral tegmental area; dorsal hypothalamic region or area; area densa |
| zi | zona incerta | zona incerta (438) | zona incerta (62038) | zona incerta | zona incerta | zona incerta | zona incerta de Forel |
| a-lam-gpi | accessory lamina of internal globus pallidus | accessory medullary lamina | lamina medullaris accessoria | lamina medullaris accessoria | lamina medullaris accessoria | lamina medullaris accessoria (paldii), incompleta | lamina medullaris accessoria | lamina medullaris accessoria (paldii), incompleta |
| acc-nu | accumbens nucleus | nucleus accumbens (277) | nucleus accumbens (61889) | nucleus accumbens (A14.1.09.440) | nucleus accumbens | noyau accumbens; point de substance grise unissant la partie inférieure des noyaux caudé et lenticulaires; involvè les " noyaux caudaliens" | fundus striati; involves the colliculus nucleus caudatus; nucleus accumbens septi; nucleus parolfactorius lateralis; bed of the stria terminals |
| alen | ansa lenticularis | ansa lenticularis (444) | ansa lenticularis (62070) | ansa lenticularis (A14.1.08.663) | ansa lenticularis | anse lenticulaire; anse du noyau lenticulaire | ansa lenticularis; part of the "système en peigne"; pars pallido-thalamic of radiate fibers of striatum; the lateral part of the basal forebrain bundle |
| Term | Description |
|------|-------------|
| ailen-ap-nu | nucleus of ansa lenticularis, anterior part of Riley |
| ailen-nu | nucleus of ansa lenticularis |
| ailen-tipp-fa | ansa lenticularis, tip-pallidal fascicle of Talairach |
| amyg | amygdala |
| amyg-pe | amygdala posterior extension |
| cau-en | caudate nucleus |
| d-clau | dorsal claustrum |
| dia-band | diagonal band |
| fo | fornix |
| fa-g | fasciolar gyrus |
| fp-fa | frontopontin fascicle |

**Endopontine Bundle**

| Term | Description |
|------|-------------|
| nucleus of the ansa lenticularis (436); entopeduncular nucleus (2284) | n.a. |
| nucleus of the ansa lenticularis (62036); endopeduncular nucleus (77691) | n.a. |
| nucleus ansae lenticularis (A14.1.08.919); nucleus endopeduncularis (A14.1.08.918) | n.a. |
| n.a. | n.a. |

**Fornix**

| Term | Description |
|------|-------------|
| fornix (268) | fornix (A14.1.08.949) |
| fornix of forebrain (61965) | fornix of forebrain (A14.1.08.949) |
| fornix (A14.1.08.949) | fornix of forebrain (A14.1.08.949) |
| fornix | fornix |

**Gyrus Fasciolaris**

| Term | Description |
|------|-------------|
| fasciolar gyrus (176) | fasciolar gyrus (A14.1.09.233) |
| gyrus fasciculatus (61923) | gyrus fasciculatus (A14.1.09.233) |
| fasciola cinerea | fasciola cinerea |
| gyrus fasciculatus | gyrus fasciculatus |
| fasciola cinerea | fasciola cinerea |

**FrontoPontin Fascicle**

| Term | Description |
|------|-------------|
| frontopontine fibers (1326) | set of frontopontine fibers (75223) |
| tractus frontopontinus fibers (75223) | tractus frontopontinus |
| tractus frontopontinus | tractus frontopontinus |

**Fornix**

| Term | Description |
|------|-------------|
| fornix | fornix |
| fornix (268) | fornix |
| fornix of forebrain (61965) | fornix of forebrain |
| fornix of forebrain (A14.1.08.949) | fornix of forebrain |
| fornix of forebrain (A14.1.08.949) | fornix of forebrain |
| fornix | fornix |

**Gyrus Fasciolaris**

| Term | Description |
|------|-------------|
| fasciolar gyrus (176) | fasciolaur gyrus (A14.1.09.233) |
| gyrus fasciculatus (61923) | gyrus fasciculatus |
| fasciola cinerea | fasciola cinerea |
| gyrus fasciculatus | gyrus fasciculatus |
| fasciola cinerea | fasciola cinerea |

**FrontoPontin Fascicle**

| Term | Description |
|------|-------------|
| frontopontine fibers (1326) | frontopontine fibers (75223) |
| tractus frontopontinus fibers (75223) | tractus frontopontinus |
| tractus frontopontinus | tractus frontopontinus |

**Fornix**

| Term | Description |
|------|-------------|
| fornix | fornix |
| fornix (268) | fornix |
| fornix of forebrain (61965) | fornix of forebrain |
| fornix of forebrain (A14.1.08.949) | fornix of forebrain |
| fornix of forebrain (A14.1.08.949) | fornix of forebrain |
| fornix | fornix |

**Gyrus Fasciolaris**

| Term | Description |
|------|-------------|
| fasciolar gyrus (176) | fasciolaur gyrus (A14.1.09.233) |
| gyrus fasciculatus (61923) | gyrus fasciculatus |
| fasciola cinerea | fasciola cinerea |
| gyrus fasciculatus | gyrus fasciculatus |
| fasciola cinerea | fasciola cinerea |

**FrontoPontin Fascicle**

| Term | Description |
|------|-------------|
| frontopontine fibers (1326) | frontopontine fibers (75223) |
| tractus frontopontinus fibers (75223) | tractus frontopontinus |
| tractus frontopontinus | tractus frontopontinus |
| gpe       | external, lateral, globus pallidus | lateral globus pallidus (232) | lateral globus pallidus (61839) | globus pallidus lateralis (A14.1.09.509) | globus pallidus lateralis | globus pallidus extern; GPe | globus pallidus, pars lateralis; pallidum extern; deuxième portion du pallidum | globus pallidus, crus II, pars lateralis, externa |
|-----------|------------------------------------|-------------------------------|----------------------------------|------------------------------------------|---------------------------|-----------------------------|----------------------------------------------------------------------------|--------------------------------------------------|
| gpi       | internal, medial, globus pallidus  | medial globus pallidus (233)  | medial globus pallidus (68140)   | globus pallidus medialis (pars lateralis and medialis) (A14.1.09.511) | globus pallidus medialis | globus pallidus internal (inner and outer portions); GPi | globus pallidus, pars medialis; pallidum interne; première portion du pallidum; segments superficiel (latéral) et profond (médial) | globus pallidus, crus I, pars medialis, interna |
| hippo     | hippocampal formation              | hippocampal formation (177)  | n.a.                             | (most of) the pars retrocommissurales hippocampi | the precise configuration of the hippocampus is complex; here it is made of the gyrus dentatus, the Ammon's horn, the subiculum complex, the uncus and the fasciculus gyrus; this set represents most structures of the inferior segment of the intralimbic gyrus | hippocampus                                                        |
| inno-sub  | innominate substance                | basal (magnocellular) nucleus (275) | substantia innominata (61855) | substantia innominata (A14.1.09.426) | substantia innominata | substantia innominata | substantia innominata de Reichtert; nucleus of Meynert | substantia (regio) innominata (sublenticularis); nucleus planum septale; nucleus basalis of Meynert |
| len-fa    | lenticular fascicle                 | field H2 (441) ; area subthalamica tegmentalis, pars ventrolateralis; dorsal division of ansa lenticularis | lenticular fasciculus of telencephalon and nucleus of ventral field of subthalamus (61976; 77527) | fasciculus lenticularis and nucleus campi ventralis (H2) (A14.1.08.664; A14.1.09.521; A14.1.08.706) | fasciculus lenticularis | lenticular fasciculus; Forel H2 field; H2 area segmentalis; H2, pallido-thalamic fascicle; H2 field of Forel; dorsal division of ansa lenticularis; ventral field | fausceau lenticulaire; champ H2 de Forel; fausceau H2 du champ de Forel; faisceau lenticulaire de Forel; faisceau inférieur des faisceaux de Forel | area subthalamica tegmentalis, pars ventrales, pars ventrolateralis; fasciculus lenticularis hyposphalamin; fasciculus pedunculi |
| la-co     | laminar cornea                      | lamina cornea (n.a.)         | n.a.                             | n.a.                                      | n.a.                      | lamine cornea (ependymal thickening) | lamina cinder, infrachoroidea | lamina cinder, infrachoroidea |
| l-m-lam-len | lateral medullary lamina of lenticular nucleus | lateral medullary lamina (234) | lateral medullary lamina of globus pallidus (62469) | lamina medullaris lateralis (A14.1.09.508) | lamina medullaris lateralis | external (outer) medullary lamina / between the putamen and pallidum | lame médulaire extére | lame médulaire externe |
| m-m-lam-len | medial medullary lamina of lenticular nucleus | medial medullary lamina (235) | medial medullary lamina of globus pallidus (62470) | lamina medullaris medialis (A14.1.09.510) | lamina medullaris medialis | mesial medullary lamina / between GPi and Gpi | lame médulaire interne | lame médulaire interne |
| olf-t     | olfactory tubercle                  | olfactory tubercle (262)     | anterior perforate substance (61891) | tuberculum olfactorium (A14.1.09.433) | tuberculum olfactorium | tubercule olfactif; substance perforée antérieure | area olfactoria; tuberculum olfactorium | area olfactoria; tuberculum olfactorium |
| pc        | posterior commissure                | posterior commissure (484)   | posterior commissure (62072)    | commissura posterior (A14.08.416) | commissura posterior | commissure blanche postérieure (CP) | commissura posterior or caudalis or dorsalis | commissura posterior or caudalis or dorsalis |
| ppg       | pontes grisei pedunculares          | peduncle of substantia nigra (n.a.) | n.a.                             | n.a.                                      | n.a.                      | n.a.                                      | n.a.                                      | n.a.                                      |
| p-plc-z   | posterior para lenticulocapsular zone | n.a.                         | n.a.                             | n.a.                                      | n.a.                      | posterior para lenticulocapsular area of reticular appearance | n.a.                                      | n.a.                                      |
| p-subp-a | posterior subpallidal area | n.a. | posterior subpallidal area of reticular appearance | n.a. |
|---|---|---|---|---|
| put | putamen | putamen (230) | putamen (A14.1.09.507) | putamen |
| retr-ot | retrolenticular zone | n.a. | n.a. | n.a. |
| su-ot | supraoptic tract | supraoptichypophysial tract (391) | dorsol suprachiasmatic decussation (62051); ventral suprachiasmatic decussation (62052) | commissura supraoptica dorsalis (A14.1.09.947); commissura supraoptica centralis (A14.1.09.959) |
| str-ter | stria terminalis | stria terminalis (286); nuclei (dorsal nucleus,3225; ...) | stria terminalis (61974); stria terminalis (A14.09.275) | stria terminalis |
| th-fa | thalamic fascicule | Forel's field H1; area subthalamica tegmentalis; pars dorsomedialis; part of ansa lenticularis | fasciculus thalamicus (A14.1.08.679) and nucleus capsici dorsalis [H1] (A14.1.08.705) | fasciculus thalamicus |
| v-clau | ventral claustrum | ventral part of the claustrum; endopiriform | nucleus medialis thalami; nucleus anteroventralis (AV); nucleus anteromedialis thalami | thalamus |
| zow | zone of Wernicke | triangular area of Wernicke | extended triangular area of Wernicke | zone or field of Wernicke; zona lateralis |

### Thalamus

| al-nu-th | anterolateral nucleus of thalamus | n.a. | made of anteromedial (AM), anterodorsal (AD), and supraneurcellular (L-po) | n.a. |
|---|---|---|---|---|
| amd-nu-th | anteromedial dorsal nucleus of thalamus | anterodorsal nucleus of the thalamus (303) | nucleus anterodorsalis (A14.1.08.604); nucleus anterodorsalis | nucleus anteroprincipalis (APr) or anteroventralis (AV) |
| ami-nu-th | anteromedial intermediate nucleus of thalamus | anteromedial nucleus of the thalamus (304) | nucleus anteromedialis (A14.1.08.605); nucleus anteromedialis | nucleus anteromedialis (of thalamus) |
| amv-nu-th | anteromedial ventral nucleus of thalamus | n.a. | nucleus fasciculosus (Fa); medioventral partially | n.a. |
| a-th-rad | anterior thalamic radiation | anterior thalamic radiations (1726) | radiatio anterior thalami (A14.1.08.666); radiatio anterior thalami; thalamo-frontal fibers | contingent antérieur des radiations thalamiques; stratum zonale; pédoncule antérieur de la couche optique |
| cmp-nu-th | centromedian, parvo, nucleus of intralaminar thalamus | centromedian nucleus (323) | nucleus centromedianus (A14.1.08.618); nucleus centromedianus | centre médian de Luys; noyau central, médian, du thalamus |
| cmm-nu-th | centromedian, magnocellular nucleus of intralaminar thalamus | centromedian nucleus (323) | centromedian nucleus (62165) | nucleus centromedialis (A14.1.08.618) | nucleus centromedialis (A14.1.08.618) | centromedian nucleus, pars magnocellularis (antero) (LaCM, Mg) | centre médian de Luys; noyau central, médian, du thalamus | centri mediani |
|----------|-------------------------------------------------------------|---------------------------|----------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------|-------------|
| dl-nu-th | dorsolateral nucleus of thalamus                            | lateral dorsal nucleus (326) | lateral dorsal nucleus (62176) | nucleus dorsalis lateralis (A14.1.08.608) | nucleus dorsalis lateralis (A14.1.08.608) | nucleus dorso-oralis, intermedii, possibly dorso-caudalis; VA partially, ventral-lateral posterior (VLp) partially, possibly lateral posterior | noyau latéral postérieur; nucleus lateralis | nuclear lateralis |
| dm-nu-th | dorsomedial nucleus of thalamus                             | not individualized         | not individualized           | nucleus dorsalis superficialis      | nucleus dorsalis superficialis      | nucleus dorso-oralis, intermedii, possibly dorso-caudalis; VA partially, ventral-lateral posterior (VLp) partially, possibly lateral posterior | noyau latéral dorsal n. antérieur | nucleus antero-dorsalis |
| e-lam-th | external lamina of thalamus                                 | external medullary lamina (367) | n.a.                        | lamina medullaris lateralis (A14.1.08.660) | lamina medullaris lateralis (A14.1.08.660) | laminae/striae médullaires externes du thalamus | lamina medullaris lateralis, externa, thalami; stratum reticulatum | lamina medullaris lateralis |
| hab      | habenula                                                    | habenula (294)             | habenula (62032)            | habenula                            | habenula                            | habenula; ganglion de l'habenula                               | nucleus habenularis; ganglion habenulaire | nucleus habenularis |
| il-nu-th | intermedialateral nucleus of thalamus                       | nucleus zentrolateralis (n.a.) | n.a.                        | radiatio inferior thalami (A14.1.08.668) | radiatio inferior thalami (A14.1.08.668) | ventral thalamic peduncle, stalk / forms the ansa peduncularis combined with the ansa lenticularis | n.a. nucleus lateralis; zentrolateralis | nucleus lateralis |
| i-th-ped | inferior thalamic peduncle                                   | inferior thalamic peduncle (371) | inferior radiation of thalamus (76980) | radiatio inferior thalami (A14.1.08.668) | radiatio inferior thalami (A14.1.08.668) | ventral thalamic peduncle, stalk / forms the ansa peduncularis combined with the ansa lenticularis | n.a. nucleus lateralis; zentrolateralis | nucleus lateralis |
| lac-nu-th | laminar caudal nucleus of thalamus                          | intralaminar nuclear group (317) | intralaminar nuclear group of thalamus (60221) | nuclei intralaminaires thalami (A14.1.08.615) | nuclei intralaminaires thalami (A14.1.08.615) | posterior (CL); limitans (Li); paraventricular (PV) | noyaux intralaminares, noyaux de la lame/strie médullaire interne | noyaux intralaminares |
| lao-nu-th | laminar oral nucleus of thalamus                            | intralaminar nuclear group (317) | intralaminar nuclear group of thalamus (central lateral, 62170) | nuclei intralaminaires thalami (centrals lateralis, A14.1.08.16) | nuclei intralaminaires thalami (centrals lateralis, A14.1.08.16) | dorso-medial (central lateral, CL, nucleus, cucullaris nucleus partially and ventromedial (central medial, CeM; commissuralis partially) | noyaux central médial du thalamus & noyaux central lateral du thalamus | noyaux intralaminares |
| lg-b     | lateral geniculate body                                     | lateral geniculate complex (352) | lateral geniculate body (62206) | corpus geniculatum laterale (A14.1.08.302) | corpus geniculatum laterale (A14.1.08.302) | corpus geniculatum laterale; dorsolateral geniculate body | corpus geniculatum lateral (metathalamus); corps geniculé externe | corpus geniculatum |
| mg-b     | medial geniculate body                                      | medial geniculate body (355) | medial geniculate body (62211) | corpus geniculatum medialis (A14.1.08.303) | corpus geniculatum medialis (A14.1.08.303) | corpus geniculatum lateral; corpus geniculé médian (metathalamus) | corps geniculé médian | corpus geniculatum |
| m-nu-th  | medial nucleus of thalamus                                  | medial dorsal nucleus (312) | medial dorsal nucleus (62156) | nucleus mediodorsalis (A14.1.08.622) | nucleus mediodorsalis (A14.1.08.622) | mediodorsal or dorsomedial nucleus of the thalamus; nucleus medialis dorsalis | noyau dorso-médian; noyau interne du thalamus | nucleus medialis |
| mt-fa    | mammillothalamic fascicle                                   | mammillothalamic tract (2438) | mammillothalamic tract (83049) | fasciculus mammillothalamicus (A14.1.08.671) | fasciculus mammillothalamicus (A14.1.08.671) | fasciculus of Vicq d'Azyr; bundle of Vicq d'Azyr; mammillothalamic tract of the hypothalamus | fascicule mammillo-thalamique; fascicule du fascicule thalamo-mammillaires | fascicules mammillo-thalamiques, thalamo-mammillaires; fascicules of Vicq d'Azyr |
| pf-nu-th | parafascicular nucleus of thalamus                          | parafascicular nucleus (324) | parafascicular nucleus (62166) | nucleus parafascicularis (A14.1.08.620) | nucleus parafascicularis (A14.1.08.620) | nucleus parafascicularis; noyau parafasciculaire du thalamus | noyau parafasciculaire du thalamus | centri mediani |

| a-lao-nu-th | lateral geniculate complex (31) | lateral geniculate body (62107) | corpus geniculatum laterale (A14.1.08.301) | corpus geniculatum medialis (A14.1.08.302) | corpus geniculatum medialis (A14.1.08.302) | corpus geniculatum lateral; corpus geniculé médian (metathalamus) | corps geniculé médian | corpus geniculatum |

| a-m-nu-th | medial nucleus of thalamus | medial dorsal nucleus (312) | medial dorsal nucleus (62156) | nucleus mediodorsalis (A14.1.08.622) | nucleus mediodorsalis (A14.1.08.622) | mediodorsal or dorsomedial nucleus of the thalamus; nucleus medialis dorsalis | noyau dorso-médian; noyau interne du thalamus | nucleus medialis |

| a-mt-fa | mammillothalamic fascicle | mammillothalamic tract (2438) | mammillothalamic tract (83049) | fasciculus mammillothalamicus (A14.1.08.671) | fasciculus mammillothalamicus (A14.1.08.671) | fasciculus of Vicq d'Azyr; bundle of Vicq d'Azyr; mammillothalamic tract of the hypothalamus | fascicule mammillo-thalamique; fascicule du fascicule thalamo-mammillaires | fascicules mammillo-thalamiques, thalamo-mammillaires; fascicules of Vicq d'Azyr |

| a-pf-nu-th | parafascicular nucleus of thalamus | parafascicular nucleus (324) | parafascicular nucleus (62166) | nucleus parafascicularis (A14.1.08.620) | nucleus parafascicularis (A14.1.08.620) | nucleus parafascicularis; noyau parafasciculaire du thalamus | noyau parafasciculaire du thalamus | centri mediani |
| Section | Description | Notes |
|---------|-------------|-------|
| plg-b  | prelateral geniculate body | nucleus prægeniculatus; nucleus accessorius; corpus geniculatum externum; griseum prægeniculatum |
| pth-ret-z | prethalamic reticularoid zone | nucleus praegeniculatus; nucleus accessorius; corpus geniculatum externum; griseum prægeniculatum |
| pul | pulvinar | pulvinar thalamus; nucleus posterior thalamus |
| sft-th | superficial lateral thalamus | nucleus praegeniculatus; nucleus accessorius; corpus geniculatum externum; griseum praegeniculatum |
| sfm-th | superficial medial thalamus | nucleus praegeniculatus; nucleus accessorius; corpus geniculatum externum; griseum praegeniculatum |
| str-med-th | stria medullaris of thalamus | nucleus praegeniculatus; nucleus accessorius; corpus geniculatum externum; griseum praegeniculatum |
| vcl-nu-th | ventrocaudal lateral nucleus of thalamus | nucleus praegeniculatus; nucleus accessorius; corpus geniculatum externum; griseum praegeniculatum |
| vcm-nu-th | ventrocaudal medial nucleus of thalamus | nucleus praegeniculatus; nucleus accessorius; corpus geniculatum externum; griseum praegeniculatum |
| vi-nu-th | ventral intermediate nucleus of thalamus | nucleus praegeniculatus; nucleus accessorius; corpus geniculatum externum; griseum praegeniculatum |
| voa-nu-th | ventrooral anterior nucleus of thalamus | nucleus praegeniculatus; nucleus accessorius; corpus geniculatum externum; griseum praegeniculatum |
| vom-nu-th | ventrooral medial nucleus of thalamus | nucleus praegeniculatus; nucleus accessorius; corpus geniculatum externum; griseum praegeniculatum |
| vop-nu-th | ventrooral posterior nucleus of thalamus | nucleus praegeniculatus; nucleus accessorius; corpus geniculatum externum; griseum praegeniculatum |