























































































































































































diencephalon  PARTONOMY LIST


































FMA	TA	UID	Short official Latin term	Short English equivalent
<a href="#">62001</a>		5263↓	diencephalon 	diencephalon 
		7511	morphologia externa diencephali; res morphologiae externae diencephali 	external morphology of diencephalon; entities of external morphology of diencephalon 
<a href="#">62010</a>		5775	prethalamus (par) 	prethalamus (pair) 
		9028	eminentia prethalamica (par) 	prethalamic eminence (pair) 
<a href="#">62080</a>		5774	stria medullaris prethalami  ; stria medullaris thalami  	stria medullaris of prethalamus; stria medullaris of thalamus 
<a href="#">62007</a>		5769	thalamus (par) 	thalamus (pair) 
<a href="#">74867</a>		5770	tuberculum anterius thalami (par) 	anterior thalamic tubercle (pair) 
<a href="#">62178</a>		5772	pulvinar (par) 	pulvinar (pair) 
<a href="#">62023</a>		5776	metathalamus (par) 	metathalamus (pair) 
<a href="#">62209</a>		5777	corpus geniculatum laterale  	lateral geniculate body  
<a href="#">62211</a>		5778	corpus geniculatum mediale  	medial geniculate body  
<a href="#">62009</a>		5765	epithalamus 	epithalamus 
<a href="#">62032</a>		5766	habenula (par) 	habenula (pair) 
<a href="#">62048</a>		5792	commissura habenulae  	habenular commissure  
<a href="#">78466</a>		5767	sulcus habenulae (par)  ; sulcus habenularis (par) 	sulcus of habenula (pair) 
<a href="#">74868</a>		5768	trigonum habenulare (par)	habenular trigone (pair)
<a href="#">62033</a>		3543	glandula pinealis  ; corpus pineale  	pineal gland  ; pineal body  
		9185	pretectum 	pretectum 
<a href="#">62072</a>		5794	commissura posterior  	posterior commissure  
		7512	morphologia interna diencephali; res morphologiae internae diencephali 	internal morphology of diencephalon; entities of internal morphology of diencephalon 
<a href="#">83917</a>		9033	substantia grisea prethalami 	grey matter of prethalamus  
<a href="#">62026</a>		5849	nucleus reticularis prethalami (par)  ; nucleus reticularis thalami (par) 	reticular nucleus of prethalamus (pair)  ; reticular nucleus of thalamus (pair) 
<a href="#">62215</a>		5904	nucleus ventralis corporis geniculati lateralis (par)  ; nucleus pregeniculatus (par) 	ventral lateral geniculate nucleus (pair); pregeniculate nucleus (pair) 
		5894	nuclei campi perizonalis (par) 	nuclei of perizonal field (pair) 
<a href="#">62037</a>		5895	nucleus campi medialis (par) 	nucleus of medial field (pair)  ; H field (pair)
<a href="#">77526</a>		5896	nucleus campi dorsalis (par) 	nucleus of dorsal field (pair)  ; H1 field (pair)
		5897	nucleus campi ventralis (par) 	nucleus of ventral field (pair)  ; H2 field (pair)
<a href="#">62038</a>		5898	zona incerta (par) 	zona incerta (pair)
		6304	cellulae dopaminergicae zonae incertae (par)  ; cellulae dopaminergicae A13 (par) 	dopaminergic cells of zona incerta (pair)  ; dopaminergic cells A13 (pair) 
<a href="#">83914</a>		5813↓	substantia grisea thalami (par) 	grey matter of thalamus (pair)  
		5814	nuclei anteriores thalami (par)  ; regio anterior thalami (par)	anterior nuclei of thalamus (pair)  ; anterior region of thalamus (pair)
<a href="#">62141</a>		5815	nucleus anterodorsalis (par) 	anterodorsal nucleus (pair) 
<a href="#">62142</a>		5816	nucleus anteromedialis (par) 	anteromedial nucleus (pair) 
<a href="#">62143</a>		5817	nucleus anteroventralis (par) 	anteroventral nucleus (pair) 
<a href="#">62176</a>		5819	nucleus dorsalis lateralis (par) 	dorsal superficial nucleus (pair); laterodorsal nucleus (pair); lateral dorsal nucleus (pair)
		5832	nuclei mediales thalami (par)  ; regio medialis thalami (par)	medial nuclei of thalamus (pair)  ; medial region of thalamus (pair)

<a href="#">62156</a>		5833	nucleus mediodorsalis (par) 	mediodorsal nucleus (pair) 
<a href="#">62162</a>		5834	pars parvocellularis (par)  ; nucleus lateralis (par) 	parvocellular nucleus (pair); lateral nucleus (pair) 
<a href="#">62161</a>		5835	pars magnocellularis (par)  ; nucleus medialis (par) 	magnocellular nucleus (pair); medial nucleus (pair) 
<a href="#">62160</a>		5836	pars paralaminaris (par) 	paralaminar part (pair) 
		5826	nuclei intralaminares thalami (par) 	intralaminar nuclei of thalamus (pair) 
		8628	nuclei intralaminares anteriores (par) 	anterior intralaminar nuclei (pair) 
<a href="#">62171</a>		5828	nucleus centralis medialis (par) 	central medial nucleus (pair)
<a href="#">62172</a>		5830	nucleus paracentralis (par) 	paracentral nucleus (pair) 
<a href="#">62170</a>		5827	nucleus centralis lateralis (par) 	central lateral nucleus (pair)
		12224	nucleus cucullaris (par) 	cucullar nucleus (pair) 
		8629	nuclei intralaminares centrales (par) 	central intralaminar nuclei (pair) 
<a href="#">62165</a>		5829	nucleus centromedianus (par) 	centromedian nucleus (pair) 
<a href="#">62166</a>		5831	nucleus parafascicularis (par) 	parafascicular nucleus (pair) 
		8630	nucleus subparafascicularis (par) 	subparafascicular nucleus (pair) 
		8631	nuclei intralaminares posteriores (par) 	posterior intralaminar nuclei (pair) 
<a href="#">62220</a>		5846	nucleus limitans (par) 	limitans nucleus (pair)
<a href="#">62222</a>		5848	nucleus suprageniculatus (par) 	suprageniculate nucleus (pair) 
		5850	nuclei laterales thalami (par)  ; regio ventralis thalami (par)	lateral nuclei of thalamus (pair)  ; ventral region of thalamus (pair)
<a href="#">62184</a>		5863	nucleus ventralis anterior (par) 	ventral anterior nucleus (pair)
		5864	pars magnocellularis (par) 	magnocellular division (pair)
		5865	pars principalis (par) 	principal division (pair)
		5860	nuclei ventrales laterales (par) 	lateral ventral nuclei (pair) 
		5861	nucleus ventrolateralis anterior (par) 	anterior ventrolateral nucleus (pair) 
		5862	nucleus ventrolateralis posterior (par) 	posterior ventrolateral nucleus (pair) 
		5855	nuclei ventrales mediales (par) 	medial ventral nuclei (pair) 
		5856	nucleus ventromedialis basalis (par) 	basal ventromedial nucleus (pair) 
		5857	nucleus ventromedialis principalis (par) 	principal ventromedial nucleus (pair) 
		5858	nucleus submedialis (par) 	submedial nucleus (pair) 
		8632↓	nucleus ventromedialis posterior (par) 	posterior ventromedial nucleus (pair) 
		5851	nuclei ventrobasales (par) 	ventrobasal nuclei (pair) 
<a href="#">84350</a>		5852	nucleus ventralis posterolateralis (par) 	ventral posterolateral nucleus (pair)
		9026	pars anterior (par) 	anterior part (pair) 
		9029	pars posterior (par) 	posterior part (pair) 
<a href="#">62202</a>		5853	nucleus ventralis posteromedialis (par) 	ventral posteromedial nucleus (pair)
<a href="#">62207</a>		5854	pars parvocellularis (par) 	parvocellular part (pair) 
<a href="#">62199</a>		5859	nucleus ventralis posteroinferior (par) 	ventral posteroinferior nucleus (pair)
		5838	nuclei periventriculares thalami (par) 	periventricular nuclei of thalamus (pair)  ; midline nuclei (pair)
<a href="#">62151</a>		5839	nucleus parataenialis (par) 	parataenial nucleus (pair)  ▲
<a href="#">62152</a>		5840	nucleus paraventricularis thalami (par) 	paraventricular nucleus of thalamus (pair) 
<a href="#">62153</a>		5843	nucleus medioventralis (par)  ; nucleus reuniens (par) 	medioventral nucleus (pair)  ; reuniens nucleus (pair) 
		5845	nuclei posteriores thalami (par)  ; regio posterior thalami (par)	posterior nuclei of thalamus (pair)  ; posterior region of thalamus (pair)
<a href="#">62177</a>		5820	nucleus lateralis posterior (par) 	lateral posterior nucleus (pair)
		5821	nuclei pulvinares (par) 	pulvinar nuclei (pair) 
<a href="#">62180</a>		5822	nucleus pulvinaris anterior (par) 	anterior pulvinar nucleus (pair) 
<a href="#">62183</a>		5823	nucleus pulvinaris inferior (par) 	inferior pulvinar nucleus (pair) 
<a href="#">62181</a>		5824	nucleus pulvinaris lateralis (par) 	lateral pulvinar nucleus (pair) 
<a href="#">62182</a>		5825	nucleus pulvinaris medialis (par) 	medial pulvinar nucleus (pair) 

	7521	corpora geniculata (par) ; nuclei geniculati thalami (par) ; regio geniculata (par)	geniculate bodies (pair) ; geniculate nuclei (pair) ; geniculate region (pair)
<a href="#">62209</a>	5777	corpus geniculatum laterale (par)	lateral geniculate body (pair)
<a href="#">62214</a>	5900	nucleus dorsalis corporis geniculati lateralis (par)	dorsal lateral geniculate nucleus (pair)
<a href="#">76988</a>	5901	strata koniocellularia (par)	koniocellular layers (pair)
	5902	strata magnocellularia (par)	magnocellular layers (pair)
	5903	strata parvocellularia (par)	parvocellular layers (pair)
<a href="#">62211</a>	5778	corpus geniculatum mediale (par)	medial geniculate body (pair)
	5906	nuclei corporis geniculati medialis (par)	nuclei of medial geniculate body (pair)
<a href="#">62217</a>	5907	nucleus ventralis (par)	ventral principal nucleus (pair)
<a href="#">62216</a>	5908	nucleus dorsalis (par)	dorsal nucleus (pair)
<a href="#">62218</a>	5909	nucleus magnocellularis medialis (par)	medial magnocellular nucleus (pair)
<a href="#">83932</a>	5870	substantia alba thalami (par)	white matter of thalamus (pair)
	9024	radices centrales thalami (par)	central roots of thalamus (pair)
<a href="#">62046</a>	5782	tractus opticus	optic tract
	8292	tractus proprii thalami (par)	intrinsic tracts of thalamus (pair)
<a href="#">62469</a>	5871	lamina medullaris lateralis	external medullary lamina
<a href="#">62470</a>	5872	lamina medullaris medialis	internal medullary lamina
	5880	fibrae intrathalamicae	intrathalamic fibres
	5885	fibrae periventriculares thalami	periventricular fibres of thalamus
	8307	tractus longi thalami (par)	long tracts of thalamus (pair)
	8311	tractus ascendentes medullae spinalis (par)	ascending spinal tracts (pair)
<a href="#">77766</a>	12531	tractus anterolateralis ; systema anterolaterale ; lemniscus spinalis	anterolateral tract ; anterolateral system ; spinal lemniscus
	8318	fibrae spinothalamicae	spinothalamic fibres
	7958	tractus cervicothalamicus	cervicothalamic tract
	8633	tractus ascendentes trunci encephali (par)	ascending brain stem tracts (pair)
<a href="#">83675</a>	5298	lemniscus medialis	medial lemniscus
<a href="#">83852</a>	8426↓	tractus trigeminothalamici	trigeminothalamic tracts
	12170	tractus trigeminothalamicus lateralis	lateral trigeminothalamic tract
	5462	tractus trigeminothalamicus anterior ; tractus trigeminothalamicus ventralis ; lemniscus trigeminalis	anterior trigeminothalamic tract ; ventral trigeminothalamic tract ; trigeminal lemniscus
<a href="#">72500</a>	5463	tractus trigeminothalamicus posterior ; tractus trigeminothalamicus dorsalis	posterior trigeminothalamic tract ; dorsal trigeminothalamic tract
	8430↓	tractus vestibulothalamicus	vestibulothalamic tract
<a href="#">71114</a>	5583	brachium colliculi inferioris	brachium of inferior colliculus
<a href="#">72417</a>	5584	brachium colliculi superioris	brachium of superior colliculus
<a href="#">72495</a>	5760	pedunculus cerebellaris superior	superior cerebellar peduncle
	8634	tractus efferentes telencephali (par)	efferent telencephalic tracts (pair)
	8525	fibrae corticothalamicae	corticothalamic fibres
<a href="#">62070</a>	5874	ansa lenticularis	ansa lenticularis
<a href="#">61976</a>	5875	fasciculus lenticularis	lenticular fasciculus
<a href="#">62065</a>	5890	fasciculus thalamicus	thalamic fasciculus
	8654	fasciculus mammillothalamicus	mammillothalamic fasciculus ; mamillothalamic tract
	8635	tractus efferentes thalami (par) ; radiationes thalamicae (par)	efferent tracts of thalamus (pair) ; thalamic radiations (pair)
<a href="#">76976</a>	5877	radiatio thalamica anterior ; radiatio anterior thalami	anterior thalamic radiation

	8498	fibrae thalamofrontales (U) (C)	thalamofrontal fibres (U) (A) (C)
<a href="#">76978</a>	 5878	radiatio thalamica centralis (U); radiatio centralis thalami (U) (C)	central thalamic radiation (U) (C)
	7574	fibrae thalamoparietales (U) (C)	thalamoparietal fibres (U) (A) (C)
<a href="#">76980</a>	 5879	radiatio thalamica inferior (U); radiatio inferior thalami (U) (C)	inferior thalamic radiation (U) (C)
	5876	fibrae thalamotemporales (U) (C)	thalamotemporal fibres (U) (A) (C)
<a href="#">62071</a>	7618	ansa peduncularis (U) (C)	ansa peduncularis (C)
	8500	radiatio acustica (U) (C)	acoustic radiation (U) (C)
<a href="#">76982</a>	 5886	radiatio thalamica posterior (U); radiatio posterior thalami (U) (C)	posterior thalamic radiation (U) (C)
<a href="#">61941</a>	 5884	radiatio optica (U) (C)	optic radiation (U) (A) (C)
	7923	fasciculus anterior (U) (C)	anterior bundle (C)
	7924	fasciculus centralis (U) (C)	central bundle (C)
	7925	fasciculus dorsalis (U) (C)	dorsal bundle (C)
	9184	substantia grisea epithalami (U)	grey matter of epithalamus (U) (A)
<a href="#">62372</a>	 5803	nucleus habenularis lateralis (par) (U)	lateral habenular nucleus (pair) (U)
<a href="#">62373</a>	 5804	nucleus habenularis medialis (par) (U)	medial habenular nucleus (pair) (U)
	6321	cellulae cholinergicae epithalami (U); cellulae cholinergicae Ch7 (U)	cholinergic cells of epithalamus (U); cholinergic cells Ch7 (U)
	9104	substantia alba epithalami (U)	white matter of epithalamus (U)
	8637	tractus commissurales epithalami (U)	commissural tracts of epithalamus (U)
<a href="#">62048</a>	 5792	commissura habenulae (U) (C)	habenular commissure (U) (C)
	8638	tractus longi epithalami (U)	long tracts of epithalamus (U)
	8639	tractus efferentes epithalami (U)	epithalamic efferent tracts
	5802	tractus habenuointerpeduncularis (U); fasciculus retroflexus (U) (C)	habenuointerpeduncular tract (U); fasciculus retroflexus (C)
	8640	substantia grisea pretecti (U)	grey matter of pretectum (U) (A)
<a href="#">62402</a>	 5805	area pretectalis (par) (U)	pretectal area (pair) (U)
<a href="#">72352</a>	 5806	nuclei pretectales (par) (U)	pretectal nuclei (pair) (U)
	5807	nucleus pretectalis anterior (par) (U)	anterior pretectal nucleus (pair) (U)
<a href="#">72403</a>	 5808	nucleus tractus optici (par) (U)	nucleus of optic tract (pair) (U)
<a href="#">72405</a>	 5809	nucleus pretectalis olivaris (par) (U)	olivary pretectal nucleus (pair) (U)
<a href="#">84355</a>	 5810	nucleus pretectalis posterior (par) (U)	posterior pretectal nucleus (pair) (U)
<a href="#">68463</a>	8641↓	nucleus commissurae posterioris (par) (U)	nucleus of posterior commissure (pair) (U)
	8642	pars principalis (par) (U)	principal part (pair) (U)
	8643	pars magnocellularis (par) (U)	magnocellular part (pair) (U)
<a href="#">256154</a>	 5638	nuclei accessorii tractus optici (par) (U)	accessory nuclei of optic tract (pair) (U)
	5639	nucleus accessorius posterior tractus optici (par) (U); nucleus accessorius dorsalis tractus optici (par) (U)	posterior accessory nucleus of optic tract (pair) (U); dorsal accessory nucleus of optic tract (pair) (U)
<a href="#">77651</a>	 5639	nucleus accessorius posterior tractus optici (par) (U); nucleus accessorius dorsalis tractus optici (par) (U)	posterior accessory nucleus of optic tract (pair) (U); dorsal accessory nucleus of optic tract (pair) (U)
<a href="#">77652</a>	 5640	nucleus accessorius lateralis tractus optici (par) (U)	lateral accessory nucleus of optic tract (pair) (U)
<a href="#">77653</a>	 5641	nucleus accessorius medialis tractus optici (par) (U)	medial accessory nucleus of optic tract (pair) (U)
	8644	substantia alba pretecti (U)	white matter of pretectum (U)
	8645	tractus commissurales pretecti (par) (U)	commissural tracts of pretectum (pair) (U)
<a href="#">62072</a>	 5794	commissura posterior (U) (C)	posterior commissure (U) (C)
	8647	tractus longi pretecti (par) (U)	long tracts of pretectum (pair) (U)
	8648	tractus descendentes pretecti (par) (U)	descending tracts of pretectum (pair) (U)
	8490	tractus tegmentalis medialis (U) (C)	medial tegmental tract (U) (C)
	8491	tractus pretectoolivaris (U) (C)	pretectoolivary tract (U) (C)
	8622↓	tegmentum prerubrale (U); tegmentum diencephali (U)	prerubral tegmentum (U); diencephalic tegmentum
			grey matter of prerubral tegmentum of



	8650	substantia grisea tegmenti prerubralis 	diencephalon  ▲
	8144	nucleus interstitialis (par) 	interstitial nucleus (pair) 
	8147↓	nucleus interstitialis rostralis fasciculi longitudinalis medialis (par) 	rostral interstitial nucleus of medial longitudinal fasciculus (pair) 
	8150↓	nucleus ellipticus (par) 	elliptic nucleus (pair) 
62035 	5893	nucleus subthalamicus (par) 	subthalamic nucleus (pair) 
	8651	substantia alba tegmenti prerubralis 	white matter of prerubral tegmentum of diencephalon  ; white substance of prerubral tegmentum of diencephalon
	8652	tractus longi tegmenti prerubralis 	long tracts of prerubral tegmentum of diencephalon 
	8653	tractus efferentes prerubrales 	prerubral efferent tracts 
	8490	tractus tegmentalis medialis  	medial tegmental tract  
	8492	tractus prerubroolivaris  	prerubroolivary tract  
	8495	fasciculus longitudinalis medialis descendens  	descending medial longitudinal fasciculus  
	8494	tractus interstitiospinalis  	interstitiospinal tract  
	181 lines		

## SCIENTIFIC NOTES

### UID Libelle of note

5263 The Diencephalon in its classic, columnar view was divided into four dorsoventrally arranged columns separated by ventricular sulci: the Epithalamus, the Dorsal thalamus, the Ventral thalamus and the Hypothalamus. Extensive embryological studies made it clear that the thalamic 'columns' are derived from transversely oriented zones, the Prosomeres (see TE). Currently, the (Caudal) Diencephalon is subdivided into three segmental units, which from caudal to rostral, contain in their alar domains the Pretectum (prosomere 1 or P1), the Epithalamus and the Thalamus (P2) and the Ventral thalamus or Prethalamus (P3). The diencephalic basal plate contains the rostral part of the Substantia nigra-VTA complex and some other nuclei, collectively forming the Diencephalic or Prerubral tegmentum between the Mesencephalon and the Hypothalamus. The entire Hypothalamus or Rostral diencephalon arises from the alar and basal components of the secondary prosencephalon. The Preoptic area is one of the subpallial developmental domains (Puelles L, Harrison M, Paxinos G, Watson C 2013 A developmental ontology for the mammalian brain based on the prosomeric model. Trends Neurosci 36:570-578).

5813 For the Thalamic nuclei, a new subdivision based on Hirai T, Jones EG (1989 A new parcellation of the human thalamus on the basis of histochemical staining. Brain Res Rev 14:1-34) and updated by Morel A, Magnin M, Jeanmonod D (1997 Multiarchitectonic and stereotactic atlas of the human thalamus. J Comp Neurol 387:618-677) is used to replace the list of terms in TA (14.1.08.603-14.1.08.658), largely a matter of a more practical grouping of nuclei. As Latin synonym the term Regio is adopted from Percheron G (2004 Thalamus. In: Paxinos G, Mai JK, eds: The Human Nervous System, 2nd ed. Elsevier, Amsterdam, pp 592-675).

8147 New term, described by Horn, AKE, Büttner-Ennever, JA (1998 Premotor neurons for vertical eye-movements in the rostral mesencephalon of monkey and man: The histological identification by parvalbumin immunostaining. J Comp Neurol 392:413-427) as a premotor nucleus for vertical eye movements.

8150 See note # 8641

8426 (Tractus trigeminothalamici): The Tractus trigeminothalamicus anterior arises in the Spinal trigeminal nucleus and joins the Medial lemniscus, whereas the Tractus trigeminothalamicus lateralis arises in the Caudal part of the Spinal trigeminal nucleus and joins the Anterolateral tract.

8430 (Tractus vestibulothalamicus): In monkeys, Vestibulothalamic projections pass via both the FLM and the Ascending tract of Deiters (Lang W, Büttner-Ennever JA, Büttner U 1979 Vestibular projections to the monkey thalamus: An autoradiographic study. Brain Res 177:3-17). Zwergal et al. (2008) demonstrated a Vestibulothalamic tract adjacent to the Medial lemniscus in humans (Zwergal A, Büttner-Ennever JA, Brandt T, Strupp M 2008 An ipsilateral vestibulothalamic tract adjacent to the medial lemniscus in humans. Brain 131:2928-2935).

8622 The basal parts of the prosomeres P1-P3 form several nuclei, previously included in the Mesencephalon (see General footnote). The rostral parts of the Substantia nigra/VTA-complex also derive from P1-P3. The term Tegmentum prerubrale is preferred as topographic term over Tegmentum diencephali.

8632 The Nucleus ventromedialis posterior (Ventromedial posterior nucleus; VMpo) is a newly discovered nucleus involved in pain perception as part of the Ventromedial nucleus (Blomqvist A, Zhang ET, Craig AD 2000 Cytoarchitectonic and immunohistochemical characterization of a specific pain and temperature relay, the posterior portion of the ventral medial nucleus, in the human thalamus. Brain 123:601-619).

8641 Replaced from Mesencephalon; for the subdivision of this nucleus, Principal and Magnocellular parts are adopted, following Olszewski and Baxter<sup>3</sup>. The Ventral division is renamed as Nucleus ellipticus (coming from Cetacea and Proboscidea) or Nucleus of Darkschewitsch, not part of the Nucleus of the posterior commissure.