

PROGRESS REPORT ON PARTONOMIC LISTS

This document presents a permanently updated status of the implementation of the Partonomic Lists. It documents each chapter of the terminology about the current realization of the partonomic lists, including information about validation as well as multilingual aspects.

In addition, this document provides an exhaustive list of all partonomic sublists of the \mathbf{T}_{loggy} , with a direct access on click.

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31.1 Introduction

The partonomic lists are essentially presented on the partonomic pages, which are exclusively oriented toward the presentation of a single partonomic list. Each partonomic list is defined by its top entity specified to belong to any level from P1 to P4. The list includes all partonomic descendants of the top entity, either directly in the extended form of the lists, or indirectly by call to sublists at lower levels in the short form.

The levels are defined from the most larger to the most detailed. They represent the chapters for P1, the subchapters for P2, the main sections for P3 and the subsections for P4. This way of dividing the \mathbf{T}_{logy} is not necessarily based on pure anatomical criteria, but may result from undocumented inherited decisions.

The terminology is subdivided into chapters at level P1 generally representing the different systems composing the human body. The terminology being in permanent construction, validation and revision, the status of the partonomic lists is largely variable by chapters. The effective implementation of each chapter is dependent on manpower, expertise and implementation parameters. The result is that the creation of the entire terminology is a matter of years.

This progress report, as well as all other reports, aims at giving a factual view of the actual degree of achievement of any chapter.

31.2 Report on chapters

The table 31.1 is an overview of all chapters of the \mathbf{T}_{logy} . The missing chapters have not yet a value for #, the number of units and following columns. This means that more or less nothing has been done about the partonomic lists of this chapter. As soon as the implementation of a chapter is started, the number of units is known and then displayed.

The values for the different columns are enumerated below:

- **Global status: first item**

Three possible situations: blank means nothing is done; work in progress means partial implementation; implemented means complete implementation of the chapter, but dependant of the other parameters in this table.

- **Global status: second item**

2 languages means LA + EN, 4 languages means LA + EN + FR + ES, 5 languages means LA + EN + FR + ES + RU.

- **Title of the chapter**

This title is an hyperlink to the extended list of this chapter on the website of the \mathbf{T}_{logy} , giving a direct access to this part of the partonomy by a simple click. This facility is only available when working on a computer with an open internet connection.

- **#**

Number of units in the chapter. This number is the sum of the top unit defining the list, plus all its descendent units, including all the units of the sublists.

Chapter	#	Valid	Sign	EN	FR	ES	RU
anatomia generalis							
systema skeletale							
systema articulare							
systema musculare	990	yes	yes	+	+	+	
systema digestorium	388	yes	no	++	+	+	
odontostomatologia	115	no	no				
systema respiratorium							
cavitas thoracis							
systema urinarium							
systemata genitalia							
cavitas abdominopelvica							
glandulae endocrinae							
systema cardiovasculare	1868	yes	no	++	+	+	
systema lymphoideum							
systema nervosum centrale	2525	yes	yes	++	++	++	++
systema nervosum periphericum	1944	yes	yes	++	++	++	++
organa sensoria	776	yes	yes	++	++	++	++
integumentum commune							

Table 31.1: Description of the chapters.

- **Certification**

Yes/no value for the certification of the content by an expert in anatomy. This certification is about the Latin terms and the universal formulae, but not about the specific languages.

- **Signature**

Yes/no value for the presence of a signature for all lists and sublists of the chapter.

- **Any language: EN, FR, ES, RU**

A + character means that this language is implemented in addition to Latin that is always present, but with a preliminary validation, mainly at the syntax level. A ++ character means that a extensive validation has been performed by a native speaker of that language.

The values of the specific chapter tables are described now:

- **Level**
Level of the sublist from 1 to 4
- **Title of the sublist**
Term of the top level unit giving its name to the sublist. This title is an hyperlink to the sublist in the website of the \mathbf{T}_{logy} , giving a direct access to this part of the partonomy.
- **#**
Number of lines in the sublist. This value is different from the number or units or the number of children. In any partonomic lists, both generic partonomies and references may be present.

Level	Section in the chapter	#
1	systema musculare	990
2	pars capitis	118
3	musculi externi bulbi oculi	16
3	musculi ossiculorum auditus	3
3	musculi faciei	51
4	musculus epicranialis	6
4	musculi auriculares	14
4	musculi circumorbitales	9
4	musculi nasi	5
4	musculi oris	16
3	musculi masticatorii	12
3	musculi linguae	11
3	musculi palati mollis	8
3	fasciae capitis	15
2	pars cervicalis	87
3	musculi cervicis	16
4	musculi suboccipitales	7
4	musculi suprahyoidei	8
4	musculi infrahyoidei	9
4	musculi pharyngis	20
4	musculi laryngei	13
3	fascia cervicalis	13
3	bursae cervicis	5
2	pars dorsalis	122
3	musculi dorsi superficiales	12
3	musculi dorsi proprii	103
4	musculus erector spinae	16
4	musculi spinotransversales	4
4	musculi transversospinales	24

Table 31.2: Chapter: systema musculare (first part).

31.2.1 Muscular system

Global status: implemented, 4 languages.

The tables [31.2](#) (first part) and [31.3](#) (second part) document this chapter.

Level	Section in the chapter	#
4	musculi interspinales	20
4	musculi intertransversarii	38
3	fascia thoracolumbalis	5
2	pars thoracica	111
3	musculi thoracis	82
4	musculi levatores costarum	19
4	musculi intercostales	39
4	musculi subcostales	12
3	fasciae thoracis	10
3	diaphragma	18
2	pars abdominalis	56
3	musculi abdominalis	27
3	fascia abdominis	28
2	pars pelvica	61
3	diaphragma pelvis	21
3	musculi perinei	16
3	fascia pelvis	23
2	membum superius	217
3	compartimenta membri superioris liberi	15
3	musculi membri superioris	128
4	musculi scapulohumerales	12
4	musculi compartimenti brachii anterioris	9
4	musculi compartimenti brachii posterioris	5
4	musculi partis superficialis compartimenti antebrachii anterioris	21
4	musculi partis profundae compartimenti antebrachii anterioris	10
4	musculi partis superficialis compartimenti antebrachii posterioris	24
4	musculi partis profundae compartimenti antebrachii posterioris	11
4	musculi manus	33
3	fasciae membri superioris	17
3	bursae membri superioris	15
3	vaginae tendinum membri superioris	41
2	membrum inferius	213
3	compartimenta membri inferioris liberi	9
3	musculi membri inferioris	110
4	musculi articulationis coxae	19
4	musculi compartimenti femoris anterioris	15
4	musculi compartimenti femoris medialis	8
4	musculi compartimenti femoris posterioris	6
4	musculi compartimenti cruris anterioris	8
4	musculi compartimenti cruris posterioris	15
4	musculi compartimenti cruris lateralis	3
4	musculi pedis	35
3	fasciae membri inferioris	41
3	bursae membri inferioris	32
3	vaginae tendinum membri inferioris	20

Table 31.3: Chapter: systema musculare (second part).

Level	Section in the chapter	#
1	systema digestorium	388
2	mouth	75
3	cavitas oris	2
3	vestibulum oris	26
3	cavitas oris propria	14
3	glandulae oris	18
3	lingua	26
2	fauces	17
2	pharynx	31
3	pars nasalis pharyngis	16
3	pars oralis pharyngis	5
3	pars laryngea pharyngis	8
2	oesophagus	19
2	gaster	35
2	intestinum tenue	37
3	duodenum	17
3	ileum	3
2	intestinum crassum	71
3	caecum	10
3	colon	18
3	rectum	16
3	canalis analis	17
2	hepar	50
3	segmentatio hepatis	3
3	ductus hepaticus communis	3
2	vesica biliaris	50
3	ductus cysticus	3
3	ductus choledochus	3
2	pancreas	50

Table 31.4: Chapter: systema digestorium.

31.2.2 Alimentary system

Global status: work in progress.

The table 31.4 documents this chapter.

Level	Section in the chapter	#
1	rei dentis	115
2	dentēs	43
3	dentēs permanentes	25
3	dentēs decidui	17
2	corona dentis	22
2	radix dentis	34
2	periodontium	11

Table 31.5: Chapter: rei dentis.

31.2.3 Odontostomatologia

Global status: work in progress.

The table 31.5 documents this chapter.

Level	Section in the chapter	#
1	systema respiratorium	
2	nasus	
2	larynx	
2	trachea	
2	bronchus	
2	pulmones	

Table 31.6: Chapter: systema respiratorium.

31.2.4 Respiratory system

Global status: work in progress.

The table [31.6](#) documents this chapter.

Level	Section in the chapter	#
1	systema cardiovasculare	1868
2	cor	186
3	systema conducens cordis	17
3	septa cordis	12
3	complexus valvaris cordis	63
4	skeleton fibrosum cordis	16
4	valva atrioventricularis dextra	6
4	radix trunci pulmonalis	17
4	valva atrioventricularis sinistra	6
4	radix aortae	17
3	atrium dextrum	18
3	ventriculus dexter	17
3	atrium sinistrum	8
3	ventriculus sinister	11
3	pericardium	12
2	systema arteriosum	637
3	arteriae pulmonales	41
4	arteria pulmonalis dextra	19
4	arteria pulmonalis sinistra	21
3	aorta descendens	
4	arteria coronaria dextra	11
4	arteria coronaria sinistra	15
3	arteria carotis communis	106
4	arteria thyroidea superior	9
4	arteria pharyngea ascendens	12
4	arteria lingualis	5
4	arteria facialis	11
4	arteria occipitalis	7
4	arteria auricularis posterior	8
4	arteria temporalis superficialis	8
4	arteria maxillaris	39

Table 31.7: Chapter: systema cardiovasculare (first part).

31.2.5 Cardiovascular system

Global status: implemented, 4 languages.

The tables [31.7](#), [31.8](#) and [31.9](#) document this chapter.

Level	Section in the chapter	#
3	arteria subclavia	43
4	arteria thoracica interna	13
4	truncus thyrocervicalis	18
4	truncus costocervicalis	7
3	aorta descendens	216
4	aorta thoracica	34
4	aorta abdominalis	111
4	arteria iliaca interna	55
4	arteria iliaca externa	9
3	arteriae membri superioris	76
4	arteria axillaris	16
4	arteria brachialis	12
4	arteria radialis	20
4	arteria ulnaris	27
3	arteriae membri inferioris	109
4	arteria femoralis	11
4	arteria profunda femoris	18
4	arteria poplitea	9
4	arteria tibialis anterior	5
4	arteria dorsalis pedis	18
4	arteria tibialis posterior	8
4	arteria plantaris medialis	4
4	arteria plantaris lateralis	25
4	arteria fibularis	8
2	systema arteriosum cerebrospinale	314
3	circulus arteriosus cerebri	11
3	arteria carotis interna	23
4	pars cervicalis	3
4	pars petrosa	6
4	pars lacera	1
4	pars cavernosa	25
4	pars clinioidea	1
4	arteria ophthalmica	43
4	arteria choroidea anterior	28
4	arteria cerebri anterior	39
3	arteria cerebri media	26
3	arteria communicans posterior	12
3	arteria vertebralis	27
3	arteria basilaris	23
4	arteria cerebri posterior	39
3	systema arteriosum spinale	12
2	systema venosum	517
3	venae cardiae	17
3	venae pulmonales	44
4	vena pulmonalis superior dextra	13
4	vena pulmonalis inferior dextra	10
4	vena pulmonalis superior sinistra	10
4	vena pulmonalis inferior sinistra	10

Table 31.8: Chapter:systema cardiovasculare (second part).

Level	Section in the chapter	#
3	vena cava superior	185
4	vena brachiocephalica	110
4	vena azygos	69
3	venae membri superioris	36
4	vena subclavia	3
4	vena axillaris	9
4	venae superficiales membri superioris	15
4	venae profundae membri superioris	8
3	vena cava inferior	78
4	venae renales	19
4	vena iliaca interna	35
4	vena iliaca externa	7
3	venae membri inferioris	90
4	vena saphena magna	15
4	vena saphena parva	27
4	vena profunda femoris	5
4	vena poplitea	28
4	venae perforantes	7
3	vena portae hepatis	48
4	vena mesenterica superior	11
4	vena splenica	9
2	systema venosum cerebrospinale	75
3	venae cerebri superficiales	22
4	venae cerebri superiores	10
4	vena cerebri media superficialis	5
4	venae cerebri inferiores	6
3	venae cerebri profundi	31
3	vena ophthalmica superior	27
3	venae trunci encephali	23
3	venae cerebelli	9
3	sinus durae matris	24
3	venae diploicae	5
3	venae emissariae	14
3	venae medullae spinalis	9
3	venae columnae vertebralis	9
2	vasa lymphatica	75

Table 31.9: Chapter: systema cardiovasculare (third part).

Level	Section in the chapter	#
1	central nervous system	
2	meninges	116
3	pachymeninx	24
3	arachnoidea	54
4	cisternae subarachnoideae craniales	29
3	pia mater	25
2	encephalon	1698
3	telencephalon	699
4	gyri interlobares	10
4	sulci interlobares	16
4	lobus frontalis	80
4	lobus parietalis	21
4	lobus occipitalis	20
4	lobus temporalis	31
4	insula	15
4	lobus limbicus	48
4	corpus callosum	5
4	septum pellucidum	3
4	isocortex	61
4	complexus claustrinsularis	10
4	paleocortex	41
4	archicortex	48
4	mesocortex	34
4	substantia alba hemispherii cerebri	98
4	corpus amygdaloideum	31
4	subpallium	5
4	nuclei basales	69
4	pars basalis telencephali proprii	31

Table 31.10: Chapter: central nervous system (first part).

31.2.6 Central nervous system

Global status: implemented, 5 languages.

The tables [31.10](#), [31.11](#) and [31.12](#) document this chapter.

Level	Section in the chapter	#
3	hypothalamus	71
4	morphologia externa hypothalami	8
4	substantia grisea hypothalami	35
4	substantia alba hypothalami	26
3	diencephalon	181
4	morphologia externa diencephali	18
4	substantia grisea prethalami	9
4	substantia grisea thalami	65
4	substantia alba thalami	43
4	substantia grisea epithalami	4
4	substantia alba epithalami	6
4	substantia grisea pretecti	14
4	substantia alba pretecti	7
4	tegmentum prerule	13
3	mesencephalon	161
4	morphologia externa mesencephali	10
4	substantia grisea tecti mesencephali	17
4	substantia alba tecti mesencephali	16
4	structurae centrales mesencephali	11
4	substantia grisea tegmenti mesencephali	59
4	substantia alba tegmenti mesencephali	37
4	substantia alba pedunculi cerebri	7
3	cerebellum	173
4	lobus anterior cerebelli	21
4	lobus posterior cerebelli	27
4	lobus flocculonodularis	3
4	substantia grisea cerebelli	66
4	substantia alba cerebelli	42
3	rhombencephalon rostrale	161
4	morphologia externa rhombencephali rostralis	6
4	nuclei somatosensorii rhombencephali rostralis	9
4	nuclei viscerosensorii rhombencephali rostralis	2
4	nuclei vestibulares rhombencephali rostralis	8
4	nuclei acustici rhombencephali rostralis	11
4	nuclei somatomotorii rhombencephali rostralis	3
4	nuclei branchiomotorii rhombencephali rostralis	5
4	nuclei visceromotorii rhombencephali rostralis	2
4	nuclei reticulares rhombencephali rostralis	6
4	nuclei neuromodulatorii rhombencephali rostralis	18
4	nuclei limbici rhombencephali rostralis	16
4	nuclei precerebellares rhombencephali rostralis	9
4	radices centrales rhombencephali rostralis	5
4	tractus commissurales rhombencephali rostralis	2
4	tractus intrinseci rhombencephali rostralis	2
4	tractus ascendentes spinales	6
4	tractus ascendentes trunci encephali	23
4	tractus efferentes cerebellares	3

Table 31.11: Chapter: central nervous system (second part).

Level	Section in the chapter	#
4	tractus afferentes	2
4	tractus descendentes	18
3	pons	23
4	substantia grisea pontis	10
4	substantia alba pontis	12
3	rhombencephalon caudale	225
4	morphologia externa rhombencephali caudalis	15
4	nuclei somatosensorii rhombencephali caudalis	21
4	nuclei viscerosensorii rhombencephali caudalis	14
4	nuclei vestibulares rhombencephali caudalis	7
4	nuclei acustici rhombencephali caudalis	26
4	nuclei somatomotorii rhombencephali caudalis	2
4	nuclei branchiomotorii rhombencephali caudalis	3
4	nuclei visceromotorii rhombencephali caudalis	3
4	nuclei reticulares rhombencephali caudalis	18
4	nuclei neuromodulatorii rhombencephali caudalis	1
4	nuclei raphes rhombencephali caudalis	7
4	nuclei limbici rhombencephali caudalis	2
4	nuclei precerebellaris rhombencephali caudalis	25
4	radices centrales rhombencephali caudalis	5
4	tractus ascendentes medullae spinalis	7
4	tractus ascendentes trunci encephali	7
4	tractus cerebelli	21
4	tractus descendentes trunci encephali	34
2	medulla spinalis	231
3	morphologia externa medullae spinalis	53
3	columna posterior	30
3	columna intermedia	33
3	columna anterior	32
3	funiculus posterior	25
3	funiculus lateralis	31
3	funiculus anterior	15
3	structurae centrales medullae spinalis	8
2	tractus systematis nervosi centralis	447
3	tractus originis telencephali	140
3	tractus originis hypothalami	32
3	tractus originis diencephali	58
3	tractus originis mesencephali	36
3	tractus originis cerebelli	16
3	tractus originis rhombencephali rostralis	39
3	tractus originis rhombencephali caudalis	42
3	tractus originis medullae spinalis	65
3	tractus mixti systematis nervosi centralis	17
2	systema ventriculare	68
3	ventriculus lateralis	15
3	ventriculus tertius	23
3	ventriculus quartus	26

Table 31.12: Chapter: central nervous system (third part).

Level	Section in the chapter	#
1	peripheral nervous system	
2	divisio nervi cranialis	190
3	nervus opticus	11
3	nervus oculomotorius	4
3	nervus trigeminalis	77
4	nervus ophthalmicus	20
4	nervus maxillaris	19
4	nervus mandibularis	33
3	nervus facialis	31
3	nervus vestibulocochlearis	13
3	nervus glossopharyngeus	12
3	nervus vagus	20
3	nervus accessorius	10
3	nervus hypoglossus	4
2	divisio nervi spinalis	420
3	nervi cervicales	77
3	nervi thoracici	183
3	nervi lumbales	79
3	nervi sacrales	65
2	plexus nervi somatici	281
3	plexus cervicalis	26
3	plexus brachialis	111
3	plexus lumbalis	45
3	plexus sacralis	94
3	plexus coccygeus	2

Table 31.13: Chapter: peripheral nervous system (first part).

31.2.7 Peripheral nervous system

Global status: implemented, 5 languages.

The tables [31.13](#) and [31.14](#) document this chapter.

Level	Section in the chapter	#
2	divisio autonómica	190
3	pars thoracolumbalis	83
4	truncus sympathicus	57
4	ganglia prevertebralia	6
4	plexus perivascuales	18
3	pars craniosacralis	35
4	pars cranialis	21
4	pars vagalis	11
4	pars sacralis	2
3	plexus viscerales	44
4	plexus thoracici	8
4	plexus abdominales	21
4	plexus pelvici	14
3	plexus enterici	14
3	ganglia enterica	13

Table 31.14: Chapter: peripheral nervous system (second part).

31.2.8 Sense organs

Global status: implemented, 5 languages.

The tables [31.15](#) and [31.16](#) document this chapter.

Level	Section in the chapter	#
1	organa sensoria	776
2	organum olfactorium	15
2	organum visuale	382
3	tunica fibrosa bulbi oculi	34
4	sclera	9
4	limbus corneae	10
4	cornea	14
3	tunica vasculosa bulbi oculi	77
4	choroidea	26
4	corpus ciliare	17
4	iris	33
3	tunica interna bulbi oculi	125
4	retina	10
4	strata retinae	20
4	neura sensoria retinalia	37
4	neura bipolaria	10
4	neura ganglionaria retinalia	4
4	neura horizontalia	3
4	neura amacrina	16
4	gliocyti retinae	5
4	vasa sanguinea retinae	17
3	lens	22
3	camerae bulbi oculi	15
3	structurae oculi accessoriae	97
4	fasciae orbitales	10
4	musculi externi bulbi oculi	14
4	supercilium	1
4	structurae palpebrales	34
4	tunica conjunctiva	12
4	apparatus lacrimalis	25

Table 31.15: Chapter: sense organs (first part).

Level	Section in the chapter	#
2	organum vestibulocochleare	460
3	auris externa	80
4	auricula	34
4	ligamenta auricularia	4
4	musculi auriculares	14
4	meatus acusticus externus	17
4	membrana tympanica	9
4	laminae membranae tympanicae	6
3	auris media	139
4	cavitas tympani	8
4	parietes auris mediae	60
4	ossicula auditus	18
4	articulationes ossiculi auditus	4
4	ligamenta ossiculi auditus	8
4	musculi ossiculi auditus	3
4	tunica mucosa auris mediae	17
4	tuba auditiva	19
3	auris interna	240
4	vestibulum	12
4	canales semicirculares	10
4	cochlea	21
4	meatus acusticus internus	11
4	ductus semicirculares	24
4	ductus utricosaccularis	3
4	ductus endolymphaticus	9
4	maculae ductus endolymphatici	10
4	cristae ampullares	8
4	paries vestibularis	5
4	paries externus	17
4	paries tympanicus	4
4	limbus spiralis	7
4	epitheliocyti limitantes	6
4	epitheliocyti sustentantes	11
4	cochleocyti	15
4	cuniculi organi spiralis	4
4	ganglia vestibulocochlearia	16
4	vasa sanguinea auris interna	21
2	organum gustatorium	14

Table 31.16: Chapter: sense organs (second part).

31.3 Log of updates

30 Jul 2023 Initial delivery on website with 7 chapters.

10 Jul 2023 Creation of the file.

31.4 Credentials

This document is part of the section on progress reports accompanying the website on Terminologia Anatomica. It expresses the actual status of implementation about the partonomic lists. Despite it is as exact as possible, close to the reality of the database of the terminology and the surrounding software, approximations, errors and ambiguities are possible and should be considered as independent of their willingness and intents.

Identified comments about the content of the website and its presentation are welcome. An appropriate answer will be given when pertinent.

Authentic URL of this file: <https://ifaa.unifr.ch/Public/TNAEntryPage/help/ProgressPartList.pdf>