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Human Nervous System: Depth Classification Version of CC. (Classification problems. 66). (Design series. 31).

S Seetharama, *Documentation Research and Training Centre, Bangalore* 3.

[A Depth Classification Version of Colon Classification (=CC) for Compound Subjects going with the Host Subject " L,7 Nervous System " is given. The methodology for the design of freely-faceted scheme for classification and the current version of the notational system of CC have been used. A schedule of Special Components for forming Compound Isolates is also given. An Alphabetical Index to the schedules, a list of 50 examples classified according to the scheme for classification, and an alphabetieal index to the subjects are given.]

ABBREVIATIONS USED

(A1)	= Array of Order 1	(MP)	= Matter Property
		(MS)	= Main Subject
(A15)	= Array of Order 15	(1P1)	= Personality Isolate Round 1, Level 1
(BS)	= Basic Subject		
(CC)	= Colon Classification	(1P2)	= Personality Isolate, Round 1, Level 2
(CN)	= Class Number		
(DC)	= Dewey Decimal Classification	(2P1)	= Personality Isolate, Round 2, Level 1
(E)	= Energy isolate	(QI)	= Quasi Isolate
		(SpC)	= Special Component
(HS)	= Host Subject	(T)	= Telescoping
(IN)	= Isolate Number	(UDC)	= Universal Decimal Classification
(2MM1)	= Matter Method Isolate, Round 2, Level 1		

0 Introduction

01 SCHEDULE OF HUMAN ORGANS

Medical research is as old as the practice of medicine. However, prior to the eighteenth century, it was predominantly descriptive. It became experimental in the nineteenth century. By the beginning of the nineteenth century, the detailed structure of the human body was fairly well known due to the developments n microscopy. In the twentieth century more knowledge about the human body has been gained with the development and application of the principles of the physical and chemical sciences.

Studies in anatomy, physiology, pathology, and surgery emphasise the importance of a detailed knowledge of human organs. Hence, documents dealing with the structure of the human body in one manner or other are published in ever increasing numbers. The design and development of schemes for the classification of the subject became necessary to obtain a helpful arrangement of the documents and the main entries for them to facilitate efficient document retrieval. This has been recognised by classificationists. Thus, we have schedules for Medicine in the general schemes for classification such as the Dewey Decimal Classification, Library of Congress Classification, Bliss's Bibliographic Classification, Cutter's Expansive Classification, and Ranganathan's Colon Classification. There are also other specialised schemes.

02 Colon Classification Schedule for Medicine

In DC, Bliss, UDC and other schemes, the primary facet is what was earlier considered by CC as " Problem facet" (presently Matter Property) with isolates such as anatomy, physiology, and disease. The human organs are enumerated under each of these isolates. This violated the Law of Parsimony (7). However, in DC and UDC, one can recognise the influence of mnemonics in the assignment of notation. CC, on the other hand, has been guided by the ' Wall-Picture Principle ' (9). On the basis, of this principle, CC considered the ' organ facet ' as primary.

021 *Principle of Spatial Contiguity*

In the construction of the schedule, CC has grouped the organs under two headings or (QI) — namely," By Region", and " By Function ". In the detailed enumeration of the isolates denoting individual organs, the Principle of Spatial Contiguity and its corollaries (8) have been generally followed.

022 *Unitary Universe and Notational Plane*

The subject ' Medicine ' has as its core entity the study of the human body as a whole and its different organs. The different varieties of body got by the characteristics, such as, " By Stage ", " By Sex", " By Environment " are treated as Specials Basic Subject in CC. Therefore, the personality isolates occurring in Compound Subjects going with the (BS) Medicine denote either the whole human body or one of its organs—regional and functional. These are treated as Unitary Universes. According to the General Theory of Library Classification, level change generally occurs when we move from " Whole body " universe to " organ " universe. However, in the case of

Medicine', there is only one isolate idea in the universe of whole entities, namely "Human body". Similarly in level 2, level 3 etc, constituting the universe of organs of human body, contain only a few known entities. In other words, they do not give rise to different varieties of organs. Therefore, the Law of Parsimony suggests to the work in Notational Plane that it is uneconomical to show each one of these unitary universes as levels and, therefore, they are enumerated in the schedule of (IPI) isolates in Medicine as different orders of array (5).

03 SCHEDULE FOR THE ORGANS OF THE HUMAN BODY

031 *Need for Depth Schedule*

The isolates enumerated in the organ schedule of CC Ed 6 (1963) and Ed 7 (in preparation) may be generally adequate to classify many of the macro documents — that is, books as a whole, but the schedule is definitely inadequate to classify microideas — such as that embodied in articles and technical reports — emphasised in documentation service. A survey conducted in 1967–68, wherein 450 books were classified, has shown that only 62·3% of the total number of books could be classified coextensively (10). Obviously, these schedules can give coextensive (CN) to only a smaller percentage of micro documents.

Further, in a paper, Bavadekar and others (1) have shown that in the subjects in the field of the Biological Sciences, over 52 per cent of the seminal contributions have been in the field of Medicine. There has also been a significant increase in the number of contributions in the field of Medicine during the present century. As a result, there has been a considerable increase in the number of micro documents in this field. Another noteworthy trend is the specialisation by organs — for example, Gastro-enterology, Cardiology, Haematology, Urology, Endocrinology and Neurology. Hence, in order to ensure pinpointed, exhaustive search and finding of documents to meet the requirements of specialists, the classification of these subjects should be as minute as possible.

032 *Depth Version of CC*

Having sensed this pressure from the readers on the one hand and that of the universe of subjects on the other, a depth schedule for the classification of the Organs of the Human Body was designed by Sakti Pada Das in 1965 (2). This was further expanded in 1967 and 1968 (Depth Version 2). The latter work was done largely *a priori*, consulting the following standard authoritative books on anatomy.

1 BOYD (J D) and others. Textbook of human anatomy Ed by W. J Hamilton. 1968.
2 CUNNINGHAM (D J). Cunningham's textbook of anatomy. Ed by J C Brash and E B Jamieson. Ed 8. 1943.
3 GRANT (J C B). Atlas of anatomy. Ed 5. 1962.
4 —— and BASMJIAN (J V). Grant's method of anatomy. Ed 7. 1965.
5 GRAY (H). Gray's anatomy: Descriptive and applied. Ed by D V Davies and F Davies. Ed 34. 1967.
6 HOLLINSHEAD (W H). Anatomy for surgeons. 1958. V1--3.
7 LOCKHART (H D) and others. Anatomy of the human body. 1959.

The changes from the schedules in CC, as well as the problems encountered in the revision have been discussed in an earlier paper (12).

033 *Pragmatic Test*

A random sample of 450 books and 450 articles in the field of Medicine were selected and classified with UDC, CC Ed 6, and CC Depth Version 2. In the selection of the documents, care was taken to ensure that as many different organ isolates occurred in them. This was done to check the utility of the isolates enumerated in the schedule. The study showed that CC Depth Version 2 could classify coextensively the books and articles dealing with the organs of the human body (10).

04 PUBLICATION OF DEPTH VERSION

The Schedule for (1P1) in the Depth Version of CC for Medicine has about 6,500 isolate ideas. It is hoped to publish the schedule in instalments; each instalment may cover one of the functional systems of the human body. There has been a demand for a depth schedule on Nervous System. Therefore the (1P1) schedule for Nervous System in Medicine is now published. This schedule contains 1,365 isolate ideas.

1 Definition

1 *Nervous System.*—The entire nervous apparatus of the body, including the brain, spinal cord, nerves and ganglia, that is, it includes the Central, Peripheral, and Autonomic Nervous systems.

2 *Central Nervous System.*—The brain, and spinal cord constitute the Central Nervous System.

3 *Peripheral Nervous System.*—The cranial and spinal nerves, and their motor and sensory endings constitute the Peripheral Nervous System.

4 *Autonomic Nervous System.*—The nervous system supplying, and exerting a regulatory influence over, involuntary muscle, glands, viscera, etc; divided into sympathetic and parasympathetic nervous systems.

5 *Neurology.*—The study of the anatomy, physiology, and pathology of the nervous system (4, 13).

2 Scope of the Paper

This paper demonstrates the design of a depth classification version of CC for Compound Subjects going with the (HS) " L,7 Medicine, Nervous System". The methodology for designing a freely faceted scheme for classification, based on postulates, canons, and principles, has been used (3, 6).

3 Schedule of Isolates

31 SCHEDULE OF (1P1) ISOLATES

The schedule given in Sec 7 of the paper gives a comprehensive list of organs of " L,7 Nervous System". The nervous system is broadly divisible into:

L,71 Central Nervous System;
L,75 Peripheral Nervous System; and
L,78 Autonomic Nervous System.

311 *Central Nervous System*

The Central Nervous System, in its turn, is divisible into:

L,72 Brain / Encephalon; and
L,73 Spinal cord / Medulla spinalis

312 *Peripheral Nervous System*

The Peripheral Nervous System, in its turn, is divisible into:

L,76 Cranial nerve; and
L,77 Spinal nerve

313 *Autonomic Nervous System*

The Autonomic Nervous System, in its turn, is divisible into:

L,781 Sympathetic System; and
L,782 Parasympathetic System

314 *Further Divisions and Subdivisions*

The systems mentioned in Sec 311–313 are further divided and subdivided to give a comprehensive list of the various organs of the Nervous System.

315 *Arrangement of* (1P1) *Isolates*

In the detailed enumeration of isolates denoting individual organs of the nervous system, the Principle of Spatial Contiguity and its corollaries have been generally followed. For example,

(*a*) Principle of Top-downwards

In Frontal lobe
- 724664 Precentral gyri
- 724665 Superior frontal gyri
- 724666 Middle frontal gyri
- 724667 Inferior frontal gyri

(*b*) Principle of Periphery to Centre
- 72 Brain
- 72n Gray matter
- 72q White matter.

(*c*) Principle of Centre to Periphery
- 7 Nervous system
- 71 Central Nervous system
- 75 Peripheral Nervous system

(*d*) Principle of Counter-clockwise direction
- 72478 Subcallosal area gyrus
- 7247A Medial frontal gyrus
- 7247B Paracentral lobule
- 7247C Precuneus gyrus
- 7247D Cuneus
- 7247E Cingulate gyrus.

316 *Special Components*

Isolates descriptive of positions — anterior, posterior, medial, lateral, proximal, distal, right, left, superior, inferior, base, apex, border etc — occur in association with the different organs of the body. Therefore, a common schedule of isolates denoting such positions has been drawn up, so that the appropriate component number from this schedule could be combined with the isolate number for organ wherever necessary. This would satisfy the Law of Parsimony (7). in forming Compound organ isolates. The indicator digit "=" (equals to) is used for combining the components.

317 *Use of Schedule of* (1P1) *Isolates*

This schedule of organ isolates can also be used in the following schedules:

G(1P1), GWC(1P1), K(1P2), KX(1P2), LX3(2P1), LY1(1P1),3 LY7(1P1),3.

32 SCHEDULE OF (MP) ISOLATES

The schedule of Matter-Property Isolates given in CC, Ed7 (in preparation) may be used for constructing (CN) for Compound Subjects, whenever needed. A Depth Classification Version of Colon Classification for Compound Subjects going with the Host Subject "L;4 Medicine, Disease" has been already published, and may also be used whenever needed (11).

33 SCHEDULE OF (1E) ENERGY ISOLATES

The Schedule of Energy Isolates given in CC, Ed 7 (in preparation) may be used, whenever needed.

34 SCHEDULE OF (2P1) ISOLATES

The Schedule of (2P1) Agent Isolates given in CC, Ed 7 (in preparation) may be used, whenver needed.

35 SCHEDULE OF (2MM1) ISOLATES

The schedule of (2MM1) Method Isolates of CC, Ed 7 (in preparation) is a differentiated one associated with some of the Energy Isolates.

4 Notation

41 DATA ON ISOLATES IN THE SCHEDULE

In CC, Ed 7 (in preparation), in the schedule of organ isolates for "L, 7 Nervous System", about 43 isolates have been enumerated. The depth version consists of over 1350 enumerated isolates. However, the notation used in the schedule for macro subjects has been retained more or less intact, thereby respecting the Principle of Integrity of (CN). This has been possible because of the long base of CC's notational system and the use of sectorising digits.

42 DATA ON THE NUMBER OF DIGITS IN (IN)

Table 1 gives data on the number of (IN) with 1 digit, 2 digits, 3 digits, and so on, in the Depth Version.

421 Table 1. *Number of Digits in (IN)*

Number of Digits	Number of Isolate Numbers	Cumulative Total	$\frac{b \times 100}{1365}$	$\frac{c \times 100}{1365}$
a	*b*	*c*	*d*	*e*
1	1	1	0·1	0·1
2	7	8	0·5	0·6
3	82	90	6·0	6·6
4	487	577	35·7	42·3
5	694	1271	50·8	93·1
6	93	1364	6·8	99·9
7	1	1365	0·1	100·0

422 *Annotation*

About 93 per cent of the (IN) have less than 6 digits each; about 42 per cent have less than 5 digits each; and about 86 per cent have between 3 and 5 digits each. Thus the length of the majority of the (IN) is within the range of the comfort of the physiology of eye and the psychology of memory.

423 *Telescoping in Array*

The schedule of organ isolates in Nervous System is Comprehensive. There may not be a case for addition of new isolate ideas to this schedule. In other words, it is a relatively static universe. Therefore, telescoping in array — that is, assigning notation of lower order (lesser number of digits) to isolate ideas of higher order — is extensively adopted. This effects economy in the length of the (IN) and ultimately in that of the (CN). In this schedule, telescoping in array has been adopted about two hundred times. Details of the distribution of telescoping in array of different orders is given in Table 2.

Table 2. *Incidence of Telescoping in Array*

SN	Telescoping of	N of times Adopted	Cumulative Total
1	(A3) into (A2)	2	2
2	(A4) into (A3)	2	4
3	(A5) into (A3)	11	15
4	(A5) into (A4)	3	18
5	(A6) into (A3)	7	25
6	(A6) into (A4)	29	54
7	(A7) into (A4)	10	64
8	(A7) into (A5)	17	81
9	(A8) into (A4)	13	94
10	(A8) into (A5)	23	117
11	(A9) into (A4)	9	126
12	(A9) into (A5)	13	139
13	(A10) into (A4)	4	143
14	(A10) into (A5)	10	153
15	(A11) into (A5)	20	173
16	(A12) into (A5)	19	192
17	(A12) into (A6)	1	193
18	(A13) into (A5)	5	198
19	(A13) into (A6)	1	199
20	(A14) into (A6)	3	202
21	(A15) into (A6)	1	203

5 Notes on the Schedule

51 Nerves

511 *Inadequacy of CC Edition 6*

In CC Ed 6, nerves of the body spread over particular regions were represented by Compound-isolate device (earlier known as Superimposition device). For example,

L,74–16	Nerves of Upper extremity
L,74–163	Nerves of arm

"Nerves of Upper Extremity" consist of nerves, such as, ulnar nerve, radial nerve, median nerve etc. But, these specific nerves could not be represented co-extensively. However, in order to represent ulnar nerve, one has to subdivide the (IN) for nerves of the upper extremity, that is, the Compound-isolate number 74–16.

It was suggested that the ulnar nerve could be represented by the number 74–161. It is evident that this may lead to a homonym as the (IN) 74–161 may represent also "Nerve of Shoulder."

512 *Solution Through Enumeration Device*

In the schedule given in Sec 7 of this paper, the different nerves such as ulnar nerve, radial nerve, median nerve, femoral nerve, tibial nerve etc are enumerated. However, for purposes of collective treatment on ideas such as nerves of upper extremity, nerves of thigh etc, and for a specific nerve in a particular region such as ulnar nerve in forearm, Compound isolate device has been used: Examples:

L,74Z–16	Nerves of upper extremity
L,74Z–136	Nerves of thigh
L,771x	Ulnar nerve
L,771x–165	Ulnar nerve in forearm
L,771x4	Palmar cutaneous branch of ulnar nerve
L,771y	Radial nerve

52 Devices Used

No device, except the Enumeration Device, has been used in this Schedule. However, Canon of Mnemonics and its corollaries have been respected in the Construction of this Schedule. For example, the concepts "Meninges and the different meninges" occur both in the Brain and Spinal cord. They have been assigned the following (IN).

Brain		*Spinal Cord*
72e	Meninges	73e
72f	Duramater	73f
72g	Arachnoidmater	73g
72h	Piamater	73h

6 Index to Schedule

Note.— 1 All the terms listed belong to (1P1), and terms which are Special Components are indicated by the abbreviation (SpC) before the (IN).

7 Schedule

L Medicine

Schedule of (1P1) isolates for Nervous system

7 Nervous system
71 Central nervous system

T1 (A3) *into* (A2) *begins*
72 Brain/Encephalon
72e Meninges

T1 (A5) *into* (A3) *begins*
72f Dura mater
72f1 Falx cerebri
72f2 Tentorium cerebelli
72f21 Tentorial notch
72f22 Trigeminal cavae
72f3 Falx cerebelli
72f4 Diaphragma sellae
72f5 Subdural space
72g Arachnoid mater
72g1 Arachnoid granulations/villi
72g2 Subarachnoid cisterns

T1 (A7) *into* (A4) *begins*
72g3 Cerebello-medullary cistern
72g4 Pontine cistern
72g5 Interpeduncular cistern
72g6 Cistern of the lateral fossa
72g7 Cistern of the great cerebral vein
72g8 Subarachnoid septum
T1 (A7) *into* (A4) *ends*

72gB Subarachnoid space

T1 (A6) *into* (A4) *begins*
72gC Median aperture
72gD Lateral aperture
T1 (A6) *into* (A4) *ends*

72h Pia mater
72hc Tela choroidea

T2 (A7) *into* (A4) *begins*
72hd Tela choroidea of fourth ventricle

T1 (A8) *into* (A4) *begins*
72he Taenia
72hf Obex
T1 (A8) *into* (A4) *ends*

72hg Tela chorioidea of third ventricle
T2 (A7) *into* (A4) *ends*

72hh Chorioid plexus

T3 (A7) *into* (A4) *begins*
72hj Fourth ventricle
72hk Third ventricle
72hm Lateral ventricle
T3 (A7) *into* (A4) *ends*
T1 (A5) *into* (A3) *ends*

72n Gray matter
72q White matter
72r Ventricle

722*Z Parts/Divisions (of the Brain)

T1 (A4) *into* (A3) *begins*
722 Prosencephalon

T2 (A5) *into* (A3) *begins*
723 Telencephalon

T1 (A6) *into* (A3) *begins*
724 Cerebrum
7241 Hemisphere

T2 (A8) *into* (A4) *begins*
7242 Exterior of hemisphere

T1 (A9) *into* (A4) *begins*
7243 Pallium (wall of hemisphere)
72431 Neopallium
72432 Archipallium
7244 Longitudinal cerebral fissure
7245 Surfaces of the cerebral hemisphere

T1 (A10) *into* (A4) *begins*
7246 Superc-lateral
72461 Lateral sulcus
72461a Stem
72461b Rami

T1 (A13) *into* (A6) *begins*
72461c Anterior
72461d Ascending
72461e Posterior
T1 (A13) *into* (A6) *ends*

72462 Central sulcus
72463 Interlocking gyri
72464 Deep transitional gyrus
72465 Lobes

T1 (A12) *into* (A5) *begins*
72466 Frontal lobe
724661 Precentral sulcus
724662 Superior frontal sulcus
724663 Inferior frontal sulcus
724664 Precentral gyri
724665 Superior frontal gyri
724666 Middle frontal gyri
724667 Inferior frontal gyri

T1 (A14) *into* (A6) *begins*
72466B Pars orbitalis
72466C Pars triangularis
72466D Pars opercularis

T1 (A14) *into* (A6) *ends*
72467 Parietal lobe
724671 Postcentral sulcus
724672 Intraparietal sulcus
724673 Sulcus intermedius primus
724674 Sulcus intermedius secondus
724675 Postcentral gyri
724676 Superior parietal lobuls
724677 Inferior parietal lobule

T2 (A14) *into* (A6) *begins*
72467B Supramarginal gyrus/ Anterior part
72467C Angular gyrus/Middle part
72467D Posterior part

T2 (A14) *into* (A6) *ends*
72468 Temporal lobe
724681 Superior temporal sulcus
724682 Inferior temporal sulcus
724683 Superior temporal gyri
724685 Transverse temporal gyri
724686 Inferior temporal gyri

7246A Occipital lobe
7246A1 Transverse occipital sulcus
7246A2 Lateral occipital sulcus
7246A3 Lunate sulcus
7246A4 Superior polar sulcus
7246A5 Inferior polar sulcus
7246A6 Arcus-parieto-occipitalis gyrus
7246A7 Superior occipital gyrus
7246A8 Inferior occipital gyrus
7246AA Gyrus descendens

7246B Insula
7246B1 Circular sulcus
7246B2 Opercula of the insula
7246B3 Frontal operculum
7246B4 Frontoparietal operculum
7246B5 Temporal operculum
7246B6 Limen insulae
7246B7 Sulcus centralis insulae
7246B8 Parts

T3 (A14) *into* (A6) *begins*
7246BB Anterior

T1 (A15) *into* (A6) *begins*
7246BC Short gyri

T1 (A15) *into* (A6) *ends*
7246E Posterior/long gyrus

T3 (A14) *into* (A6) *ends*
T1 (A12) *into* (A5) *ends*
7247 Medial (surface)
72471 Anterior para-olfactory sulcus
72472 Posterior para-olfactory sulcus
72473 Cingulate sulcus
72474 Callosal sulcus
72475 Subparietal/Suprasplenial sulcus
72476 Parieto-occipital sulcus
72477 Calcarine sulcus
72478 Subcallosal area gyrus
7247A Medial frontal gyrus
7247B Paracentral lobule
7247C Precuneus gyrus
7247D Cuneus (Cuneate gyrus)
7247E Cingulate gyrus
7247F Isthmus

7248 Inferior/Basal (surface)
7248a Orbital part/Anterior portion

T2 (A12) *into* (A5) *begins*
7248b Olfactory sulcus
7248c Orbital sulci
7248d Gyrus rectus
7248e Orbital gyri

T2 (A12) *into* (A5) *ends*
7248f Posterior portion

T3 (A12) *into* (A5) *begins*
7248g Collateral sulcus
7248h Rhinal sulcus
7248j Occipitotemporal sulcus
7248k Lingual gyrus
7248m Parahippocampal gyrus
7248n Uncus gyrus
7248p Medial occipital temporal gyrus
7248q Lateral occipitotemporal gyrus

T3 (A12) *into* (A5) *ends*

T1 (A10) into (A4) ends

724A Rhiner cephalon

T2 (A10) into (A4) begins

724B Olfactory bulb
724B1 Olfactory nerve fibres
724B2 Glomerular layer
724B3 Molecular layer
724B4 Nerve fibre layer
724B5 Neuroglial layer
724C Olfactory tract
724C1 Olfactory trigone/pyramid
724C2 Olfactory stria
724C3 Afferent fibres
724CD Pre-piriform area
724D1 Anterior perforated substance
724D2 Amygdaloid body (Nucleus)
724D21 Efferent fibres
724D22 Stria terminalis/Semicircularis
724D3 Piriform area
724D31 Intralimbic gyrus
724E Hippocampal formation
724E1 Indusium griesum
724E11 Gyrus fasciolaris/Splenial gyrus
724E2 Longitudinal striae
724E23 Lateral
724E24 Medial
724E3 Dentate gyrus
724E31 Hippocampal sulcus
724E32 Tail of the dentate gyrus
724E4 Hippocampus/Pes hippocampi
724F Paraterminal gyrus
724F1 Diagonal band
724G Fornix
724G1 Alveus of the hippocampus
724G2 Fimbria of the hippocampus
724G3 Crus
724G4 Ventricle of the fornix
724G5 Body of the fornix
724G6 Columns of the fornix
724G7 Olfactory fascicule

T2 (A10) into (A4) ends

724GZ Gray matter
724H Cerebral cortex
724Hb Bands of Baillarger

T1 (A11) into (A5) begins

724Hc Inner
724Hd Outer

T1 (A11) into (A5) ends

24He Cells

T2 (A11) into (A5) begins

724Hf Pyramidal cells
724Hg Granule cells
724Hh Pleomorphic cells

T2 (A11) into (A5) ends

724Hj Layers

T3 (A11) into (A5) begins

724Hk Molecular
724Hm Outer granular
724Hn Pyramidal
724Hp Inner granular
724Hq Ganglionic
724Hr Polymorphous

T3 (A11) into (A5) ends

724Hs Cortical areas

T4 (A11) into (A5) begins

724Ht Frontal lobe

T4 (A12) into (A5) begins

724Hu Precentral area

T1 (A13) into (A5) begins

724Hv Motor area/Area 4, 4s
724Hw Premotor area/Area 6
724Hx Area 8
724Hy Broca's area (Area 14 & 45)

T1 (A13) into (A5) ends

724H1 Prefrontal area/Area 32/Silent area

T4 (A12) into (A5) ends

724H2 Parietal lobe

T5 (A12) into (A5) begins

724H3 Postcentral area

T2 (A13) into (A5) begins

724H4 Anterior part/Area 3

724H5 Posterior part/Areas 1 & 2

T2 (A13) into (A5) ends

724H7 Areas 39, 40

T5 (A12) into (A5) ends

724HB Temporal lobe

T6 (A12) into (A5) begins

724HC Auditosensory area/Areas 41 & 42
724HD Auditopsychic area/Area 22

724HE Temporal area
T6 (A12) into (A5) ends
724HF Occipital lobe
T7 (A12) into (A5) begins
724HG Visuosensory area/Striate area/Area 17
724HH Visuopsychic area
T3 (A13) into (A5) begins
724HJ Parastriate area/Area 18
724HK Peristriate area/Area 19
T3 (A13) into (A5) ends
724HL Insular area
724HM Cingulate area
T4 (A13) into (A5) begins
724HN Area 24
724HP Area 23
724HQ Area 31
T4 (A13) into (A5) ends
724HR Suppressor areas
724HS Extrapyramidal areas
T7 (A12) into (A5) ends
T4 (A11) into (A5) ends
724HZ Cerebral commissures
T3 (A10) into (A4) begins
724J Corpus callosum
724J1 Genu
724J2 Rostrum
724J3 Trunk
724J4 Splenium
724J5 Forceps minor
724J6 Tapetum
724J7 Forceps major
724J8 Bulb of the posterior horn
724K Anterior commissure (Bundle of white fibres)
724L Hippocampal commissure/Commissure of the fornix
724M Septum pellucidum
724M1 Laminae septi pellucidi
724M2 Cavium septi pellucidi
T3 (A10) into (A4) ends
T1 (A9) into (A4) ends
724N Interior of the hemisphere
T2 (A9) into (A4) begins
724P Lateral ventricle
724Pc Central part
724Pd Cornua/Horn
T5 (A11) into (A5) begins
724Pe Anterior horn
724Pf Posterior horn
T8 (A12) into (A5) begins
724Pg Bulb
724Ph Calcar avis
T8 (A12) into (A5) ends
724Pj Inferior
T9 (A12) into (A5) begins
724Pk Collateral eminence
724Pm Collateral trigone
T9 (A12) into (A5) ends
T5 (A11) into (A5) ends
724Pr Roof
724Ps Floor
724Pt Wall
724Q White matter of the hemisphere
724Q1 Commissural fibres
724Q2 Arcuate/Association fibres
T6 (A11) into (A5) begins
724Q3 Short arcuate fibres
724Q4 Long arcuate fibres
T10 (A12) into (A5) begins
724Q5 Uncinate fasciculus
724Q6 Cingulum
724Q7 Superior longitudinal fasciculus
724Q8 Inferior longitudinal fasciculus
724QA Fronto-occipital fasciculus
T10 (A12) into (A5) ends
T6 (A11) into (A5) ends
724QB Projection fibres
T7 (A11) into (A5) begins
724QC Corona radiata
724QD Internal capsule
T11 (A12) into (A5) begins
724QE Anterior limb
T5 (A13) into (A5) begins
724QF Frontopontine fibres
T5 (A13) into (A5) ends
724QG Genu
724QG2 Cortico-nuclear fibres

724QH Posterior limb
724QJ Retrolentiform part
724QK Optic radiation
724QM Sublentiform part
724QN Acoustic radiation
*T*11 (A12) *into* (A5) *ends*
*T*7 (A11) *into* (A5) *ends*
724R Basal nuclei
724Rc Corpus striatum
*T*8 (A11) *into* (A5) *begins*
724Rd Caudate nucleus
*T*12 (A12) *into* (A5) *begins*
724Re Head
724Rf Body
724Rg Tail
*T*12 (A12) *into* (A5) *ends*
724Rh Lentiform nucleus
*T*13 (A12) *into* (A5) *begins*
724Rk Putamen
724Rm Globus Pallidus
724Rn Claustrum
724Rp External capsule
*T*13 (A12) *into* (A5) *ends*
*T*8 (A11) *into* (A5) *ends*
*T*2 (A9) *into* (A4) *ends*
724S Lobes of hemisphere
724S1 Frontal lobe
724S11 Frontal pole
724S2 Parietal lobe
724S3 Temporal lobe
724S31 Temporal pole
724S4 Occipital lobe
724S41 Occipital pole
*T*2 (A8) *into* (A4) *ends*
*T*1 (A6) *into* (A3) *ends*
*T*2 (A5) *into* (A3) *ends*
725 Diencephalon
*T*3 (A5) *into* (A3) *begins*
726 Thalamencephalon
*T*2 (A6) *into* (A3) *begins*
727 Thalamus
7271 Stratum zonale
7272 Stria terminalis
7273 Taenia thalami
7274 Striameduilaris thalami
7275 Habenular commissure
7276 Sulcus habenulae
7277 Interthalamic adhesion/connexus interthalamicus
7278 Hypothalamic sulcus
727A External medullary lamina
727B Internal medullary lamina
727BT Nuclei
727C Palaeothalamus
727C1 Anterior part
727C11 Tubercle
727C111 Anterior nucleus
727C4 Medial part
727C41 Medial nucleus
727D Neothalamus
727D1 Lateral nuclei
727D2 Ventral nuclei
727D3 Dentato-rubro-thalamic tract
727F Thalamic reticular system
727F1 Intralaminar nuclei
727F2 Reticular nuclei
727F3 Midline nuclei
727F31 Periventricular grey
727F32 Pulvinar
727G Diffuse thalamocortical system
728 Metathalamus
7282 Geniculate bodies
*T*3 (A8) *into* (A4) *begins*
7283 Lateral geniculate body
7284 Medial geniculate body
*T*3 (A8) *into* (A4) *ends*
72A Epithalamus
72A1 Trigonum habenulae
*T*4 (A8) *into* (A4) *begins*
72A2 Habenular nucleus
72A21 Fasciculus retroflexus
*T*4 (A8) *into* (A4) *ends*
72A3 Pineal body
72A4 Posterior commissure
72B Hypothalamus
72Bc Hypothalamic nuclei
72B1 Subthalamic tegmental region
72B11 Sub-thalamic nucleus
72B12 Zona incerata
72B13 Ansa reticularis
72B2 Posterior perforated substance
72B21 Interpeduncular nucleus
72B3 Mamillary body
72B31 Medial nuclei
72B32 Mammillothalamic tract
72B33 Mammillotegmental tract
72B34 Peduncle
72B35 Lateral nuclei
72B4 Tuber cinereum

72B41 Median eminence
72B5 Lamina terminalis
72B6 Optic chiasma
72B61 Supra-optic commissures
72B611 Commissure of Gudden
72B7 Interpeduncular fossa
72B8 Optic tracts
72B83 Lateral root
72B84 Medial root
72BA Supra-optic nucleus
72BB Paraventricular nucleus
72BC Ventromedial nucleus
72BD Dorsimedial nucleus
72BE Tuberal nuclei
72BF Posterior nucleus
72BG Lateral nucleus
72BH Periventricular system of fibres
72BJ Medial forebrain bundles
72BM Hypothalamo-hypophyseal system
72C Third ventricle
72C1 Anterior boundary
72C2 Posterior boundary
72C3 Lateral wall
72C31 Hypothalamic sulcus
72C4 Roof
72C5 Floor
72C6 Recesses
72C61 Optic recess
72C62 Pineal recess
72C63 Suprapineal recess
72C7 Interventricular foramen
T2 (A6) *into* (A3) *ends*
T3 (A5) *into* (A3) *ends*
72DZ Brain stem (Midbrain, Pons, Medulla oblongata)
72E Mesencephalon/Midbrain
T4 (A5) *into* (A3) *begins*
72F Cerebral peduncle
72F1 Crus cerebri
72F11 Lateral sulcus
72F12 Medial sulcus
72F13 Taenia pontis
72F14 Corticospinal fibres
72F15 Corticonuclear fibres
72F16 Corticopontine fibres
72F161 Frontopontine fibres
72F162 Temporopontine fibres
72F17 Parieto-pontine fibres
72F18 Occipito-pontine fibres
72F2 Substantia nigra
72F3 Tegmentum
72F3b Tectum
T1 (A8) *into* (A5) *begins*
72F3c Colliculi/Corpora quadrigemina
T1 (A9) *into* (A5) *begins*
72F3d Superior colliculi
T1 (A10) *into* (A5) *begins*
72F3e Brachium
T1 (A10) *into* (A5) *ends*
72F3f Inferior colliculi
T2 (A10) *into* (A5) *begins*
72F3g Brachium
T2 (A10) *into* (A5) *ends*
72F3h Pretectal nucleus
72F3k Cruciform sulcus
72F3m Longitudinal sulcus
72F3n Frenulum veli
72F3p Stratum zonale
72F3q Stratum cinereum
72F3r Stratum Opticum
72F3s Stratum lemnisci
T1 (A9) *into* (A5) *ends*
72F33*Z Section of Tectum
72F33 Nucleus of the mesencephalic tract of the trigeminal nerve
72F34 Nucleus of the trochlear n
72F35 Decussation of the superior cerebellar peduncle
72F36 Medial longitudinal bundle
72F37 Lateral lemniscus
72F38 Medial lemniscus
72F3A Trigeminal lemniscus
72F3B Spinal lemniscus
72F3C Nucleus of the oculomotor nerve
72F3D Nucleus of Darkschwitsch
72F3E Red nucleus
72F3E1 Afferent fibres
72F3E2 Efferent fibres
72F3E5 Rubro-reticular tract
72F3G Ventral tegmental decussation
72F3H Tecto-bulbar tract
72F3J Dorsal part of tegemental decussation
72F3K Medial longitudinal fasciculus
72F3M Interstitial nucleus of Cajal
72F3N Reticular formation
72F3P Cerebral aqueduct
T1 (A8) *into* (A5) *ends*
T4 (A5) *into* (A3) *ends*

72G Rhombencephalon

T5 (A5) *into* (A3) *begins*

72H Mentencephalon

T3 (A6) *into* (A3) *begins*

72J Pons

72J1 Sulcus basilaris

72J3*Z Section of Pons

72J3 Basilar part

T4 (A10) *into* (A4) *begins*

72J4 Longitudinal bundles

72J41 Corticospinal fibres

72J42 Corticonuclear fibres

72J43 Corticopontine fibres

72J5 Transverse fibres of the pons

72J6 Nuclei pontis

72J61 Nucleus of the circumolivary bundle/Corpus pontobulbare

T4 (A10) *into* (A4) *ends*

72J7 Tegmental part

72J71 Medial nucleus of vestibular n

72J72 Vestibular nuclei

72J723 Lateral vestibular nucleus

72J724 Medial vestibular nucleus

72J725 Inferior vestibular nucleus

72J726 Superior vestibular nucleus

72J73 Dorsal cochlear nucleus

72J74 Ventral cochlear nucleus

72J75 Trapezoid body

72J751 Ventral nucleus

72J752 Dorsal nucleus

T1 (A12) *into* (A6) *begins*

72J753 Peduncle

T1 (A12) *into* (A6) *ends*

72J77 Lateral lemniscus

72J78 Medial lemniscus

72J7A Nucleus of abducent nerve

72J7B Facial nucleus

72J7C Genu of the facial nerve

72J7D Savilary nucleus

T9(A11) *into* (A5) *begins*

72J7E Superior

72J7F Inferior

T9 (A11) *into* (A5) *ends*

72J7G Nucleus of the spinal tract of trigeminal nerve

72J7H Spinal tract of trigeminal nerve

72J7J Medial longitudinal bundle

72J7K Dorsal longitudinal bundle

72J7M Motor nucleus of trigeminal nerve

72J7N Superior sensory nucleus of the Trigeminal nerve

72J7P Nucleus of the lateral lemniscus

72K Reticular formation

72K1 Lateral reticular nucleus

72K2 Inferior medial reticular nucleus

72K3 Central tegmental reticular nucleus

72K4 Caudal pontine reticular nucleus

72K5 Oral pontine reticular nucleus

72K6 Deep tegmental nucleus

72M Cerebellum

72Mb Folia

72Mc Fissures

T5 (A8) *into* (A4) *begins*

72Md Post lingual fissure

72Me Postcentral fissure

72Mf Fissura prima

72Mg Postlunate fissure

72Mh Horizontal fissure

72Mk Prepyramidal fissure

72Mm Postpyramidal fissure/Fissura secunda

72Mn Retrotonsillar fissure

72Mp Posterolateral fissure

T5 (A8) *into* (A4) *ends*

72Mq Sulcus valleculae

72Mr Vallecula

72M1 Hemisphere

T6 (A8) *into* (A4) *begins*

72M2 Surfaces of the cerebellar hemisphere

T3 (A9) *into* (A4) *begins*

72M3 Superior

72M32 Ala of central lobule

72M34 Quadrangular lobule

72M36 Lobulus simplex

72M37 Superior semilunar lobule

72M4 Inferior

72M42 Inferior semilunar lobule

72M43 Biventral lobule

72M45 Tonsil

72M46 Flocculus

72M48 Peduncle

T3 (A9) *into* (A4) *ends*
T6 (A8) *into* (A4) *ends*

72M6 Vermis
72M61 Lingula
72M62 Central lobule
72M63 Culmen
72M64 Declive
72M65 Folium vermis
72M66 Tuber vermis
72M67 Pyramid
72M68 Uvula
72M6C Nodule

72M7 Functional subdivisions
72M71 Corpus cerebelli

T3 (A10) *into* (A5) *begins*
72M72 Anterior lobe
72M73 Middle lobe
T3 (A10) *into* (A5) *ends*
72M76 Flocculonodular lobe

72M8 Phylogenetic subdivisions

T7 (A8) *into* (A4) *begins*
72MA Archicerebellum
72MB Paleocerebellum
72MC Neocerebellum
T7 (A8) *into* (A4) *ends*
72MD White matter

T8 (A8) *into* (A4) *begins*
72ME Arbor vitae
72MF Fibrae propriae
72MF1 Commissural fibres
72MF2 Association fibres
72MG Projection fibres

T4 (A9) *into* (A4) *begins*
72MH Superior cerebellar peduncle
72MH2 Tectocerebellar tract
72MJ Middle cerebellar peduncle
72MJ1 Superior fasciculus
72MJ2 Inferior fasciculus
72MJ3 Deep fasciculus
72MK Inferior cerebellar peduncle
72MK1 Posterior spinocerebellar tract
72MK2 Olivocerebellar tract
72MK3 Parolivocerebellar fibre
72MK4 Anterior external arcuate fibres
72MK5 Posterior external arcuate fibres
72MK6 Vestibular fibres
72MK7 Cerebello vestibular fibres
72MK71 Fastigiovestibular tract
72MK72 Fastigiobulbar tract
72MK8 Reticulocerebellar fibres
T4 (A9) *into* (A4) *ends*
T8 (A8) *into* (A4) *ends*

72MM Gray matter of cerebellum

T9 (A8) *into* (A4) *begins*
72MN Gray matter of cerebellar cortex
72MN1 Molecular layer

T4 (A10) *into* (A5) *begins*
72MN2 Superficial stratum
72MN21 Pyramidal cells
72MN3 Intermediate stratum
72MN31 Basket cells
72MN4 Deep stratum
72MN41 Cells of Purkinje
72MN42 Cells of Golgi
T4 (A10) *into* (A5) *ends*
72MN6 Granular layer

72MP Independent centres of grey matter
72MP1 Nucleus dentatus
72MP2 Nucleus emboliformis
72MP3 Nucleus globosus
72MP4 Nucleus fastigii
T9 (A8) *into* (A4) *ends*
72MQ Superior medullary velum
72MR Inferior medullary velum

72N Fourth ventricle
72N1 Lateral boundary
72N2 Roof
72N21 Median aperture
72N23 Lateral aperture
72N3 Rhomboid fossa

T10 (A8) *into* (A4) *begins*
72N4 Superior part
72N5 Intermediate part
72N6 Inferior part
72N7 Median sulcus
72N8 Sulcus limitans
72NA Medial eminence
72NB Facial colliculus
72NC Hypoglossal triangle/ Trigonum hypoglossi
72ND Nucleus intercalatus
72NE Locus coeruleus
72NF Substantia ferruginea
72NG Superior fovea

72NH Inferior fovea
72NJ Vestibular area
72NK Auditory tubercle
72NM Striae medullares
72NN Vagal triangle/Trigonum vagi
72NP Funiculus separaus
72NQ Area postrema
*T*10 (A8) *into* (A4) *ends*
*T*3 (A6) *into* (A3) *ends*
*T*5 (A5) *into* (A3) *ends*
72P Medulla oblongata/ Myelencephalon
72Pb Anterior median fissure
72Pc Foramen caecum
72Pd Anterior external arcuate fibre
72Pe Posterior median sulcus
72Pf Anterolateral sulcus
72Pg Posterolateral sulcus
72Ph Pyramid
72Pj Decussation of the pyramids
72Pk Olive
72Pm External arcurate fibres
72Pn Fasciculus gracillaris
72Pnl Gracile tubercle
72Pp Fasciculus cuneatus
72Ppl Cuneate tubercle
72Pq Tuberculus cinereum
72Pr Striae medullares
72Pt*Z Section of Medulla oblongata
72Pt Raphe
72Pu Supraspinal nucleus
72Pv Spinal nucleus of accessory n
72Pw Nucleus gracilis
72Px Nucleus cuneatus
72Py Substantive gelatinosa
72Pl Nucleus of the spinal tract of the trigeminal n
72P2 Medial lemniscus
72P3 Internal arcuate fibres
72P4 Spinal lemniscus
72P5 Decussation of the lemnisci
72P6 Accessory cuneate nucleus
72P7 Posterior external arcuate fibres
72P8 Nucleus of hypoglossal n
72PA Dorsal nucleus
72PB Nucleus of tractus solitarius
72PC Tractus solitarius
72PD Reticular formation
72PE Medial longitudinal bundle
72PF Olivary nucleus
72PG Ami culum
72PH Olivacerebellar tract
72PH2 Spino-olivary tract
72PJ Medial accessory olivary nucleus
72PK Dorsal accessory olivary nucleus
72PL Central tegmental fasciculus
72PM Arcuate nuclei
72PN Inferior nucleus of vestibular n
72PP Medial nucleus of vestibular n
72PQ Nucleus intercalatus
72PR Nucleus ambiguus
72PS Juxtarestiform body
*T*1 (A4) *into* (A3) *ends*
72T Chief nerve tracts
72T1 Sensory/Ascending system
*T*6 (A5) *into* (A3) *begins*
72T2 Interoceptive
72T3 Proprioceptive
72T4 Exteroceptive
*T*6 (A5) *into* (A3) *ends*
72TB Motor/Descending system
*T*7 (A5) *into* (A3) *begins*
72TC Pyramidal system
72TD Cortico-nuclear system
72TE Extra-pyramidal system
*T*4 (A6) *into* (A3) *begins*
72TF System of gray matter in cerebrum and Brain stem
72TG Olivo-spinal tract
72TH Medial longitudinal bundles
72TJ Tecto-bulbar tract
72TK Tecto-spinal tract
72TM Vestibulo-spinal tract
72TN Cerebellar tracts
72TR Reflex pathways
*T*4 (A6) *into* (A3) *ends*
*T*7 (A5) *into* (A3) *ends*
72TS Intersegmental tract
73 Spinal cord/Medulla spinalis
73e Spinal meninges
*T*8 (A5) *into* (A3) *begins*
73f Dura mater
73f2 Extradural space
73f5 Subdural space
73g Arachnoid mater

73h Pia mater
73h3 Linea splendens
73h5 Ligamentum denticulatum
T8 (A5) into (A3) ends

731 Cervical enlargement
732 Thoracic part
733 Lumbar enlargement
734 Sacral part
735 Coccygeal part
736 Fissures & sulci
7361 Anteromedian fissure
7362 Posterior median sulcus
7373 Posterolateral sulcus
7364 Posterointermediate sulcus
73C Anterior funiculus
73D Posterior funiculus
73D1 Fasciculus gracilis
73D3 Fasciculus cuneatus
73E Lateral funiculus
73F Conus medullaris
73F1 Terminal ventricle
73G Filum terminale
73G1 Filum terminale internum
73G2 Filum terminale externum
73H Gray matter
73Hb Horn

T2 (A6) into (A4) begins
73Hc Anterior horn
73Hd Posterior horn
73He Lateral horn
73Hf Apex
73Hg Head
73Hh eck
73Hj N
Base
T2 (A6) into (A4) ends

73Hk Column

T3 (A6) into (A4) begins
73Hq Anterior
73Hq1 Head
73Hq2 Base
73Hr Posterior
73Hs Lateral
T3 (A6) into (A4) ends

73HB Substantia gelatinosa
73HC Substantia gelatinosa centralis
73HD Formatio reticularis
73HE Gray commissure
73HF Central canal
73HG Nerve cells of the anterior grey column
73HH Cell in the lateral grey column/inter-medio lateral group of cells
73HJ Nerve cells of the posterior grey column

T4 (A6) into (A4) begins
73HK Marginal nucleus
73HM Central magnocellular nucleus
73HN Thoracic nucleus
73HP Sacral nucleus
T4 (A6) into (A4) ends

73HQ Reticular formation of spinal cord
73HR Tracts/Fasciculi
73HS Collaterals
73J White matter of spinal cord

T2 (A4) into (A3) begins
73K Anterior funiculus
73KB Descending tracts

T5 (A6) into (A4) begins
73KC Anterior corticospinal tract
73KD Vestibulospinal tract
T4 (A7) into (A4) begins

73KE Lateral
73KF Medial
T4 (A7) into (A4) ends

73KG Tectospinal tract
73KH Reticulospinal fibres/Medial reticulospinal tract
73KJ Medial longitudinal bundle
T5 (A6) into (A4) ends

73KK Ascending tracts

T6 (A6) into (A4) begins
73KL Spino-thalamic tract

T5 (A7) into (A4) begins
73KM Anterior spinothalamic tract
T5 (A7) into (A4) ends
T6 (A6) into (A4) ends.

73KN Intersegmental tracts

T7 (A6) into (A4) begins
73KP Anterior intersegmental tract
T7 (A6) into (A4) ends

73M Lateral funiculus
73MB Descending tracts
T8 (A6) into (A4) begins
73MC Lateral corticispinal tract/Crossed pyramida tract
73MC2 Uncrossed lateral cortico-spinal fibres
73MD Rubrospinal tract
73ME Olivospinal tract/ Bulbospinal tract
73MF Lateral reticulospinal tract
73MG Descending autonomic fibres
T8 (A6) into (A4) ends
73MK Ascending tracts
T9 (A6) into (A4) begins
73MM Anterior spinocerebellar tract
73MN Posterior spinocerebellar tract
73MP Lateral spinothalamic tract
73MQ Spinotectal tract
73MR Dorso-lateral tract
T9 (A6) into (A4) ends
73MS Intersegmental tract/ Lateral intersegmental tract
73N Posterior funiculus
73NB Descending tracts
T10 (A6) into (A4) begins
73NC Septomarginal tract
73ND Semilunar tract
73NE Dorsal peripheral strand
73NF Triangular strand
T10 (A6) into (A4) ends
73NK Ascending tracts
T11 (A6) into (A4) begins
73NM Fasciculus gracilis
73NN Fasciculus cuneatus
73NP Internal arcuate fibres
73NQ Medial lemnisci
73NR Posterior external arcuate fibres
T11 (A6) into (A4) ends
73NS Intersegmental tract
T2 (A4) into (A3) ends
T1 (A3) into (A2) ends
75 Peripheral nervous system
T2 (A3) into (A2) begins
76 Cranial n
761 Olfactory n
762 Optic n
7621 Intracranial part
7622 Intra-orbital part
763 Oculomotor n
7631 Superior ramus
7632 Inferior ramus
7633 Ciliary ganglion
T12 (A6) into (A4) begins
7634 Sensory root/Ramus communicans to nasociliary n
7635 Motor/Parasympathetic root
7636 Sympathetic root
7637 Short ciliary n
T12 (A6) into (A4) ends
764 Trochlear n
7641 Decussation
765 Trigeminal n
7651 Sensory root
76511 Trigeminal/Semilunar ganglion
7652 Motor root
7653 Ophthalmic n
7653c Tentorial n
7653d Lacrimal n
7653e Frontal n
T1 (A7) into (A5) begins
7653f Supratrochlear n
7653g Supra orbital n
T1 (A7) into (A5) ends
7653h Nasociliary n
T2 (A7) into (A5) begins
7653j Anterior ethmoidal n
T2 (A8) into (A5) begins
7653k Internal nasal branches
7653m External nasal branch
T2 (A8) into (A5) ends
7653n Long ciliary n
7653p Infratrochlear n
7653q Posterior ethmoidal n
7653r Ramus communicans with the ciliary ganglion
T2 (A7) into (A5) ends
7654 Maxiliary nerve/Pre-trematic branch of trigeminal n
7654c Meningeal n
7654d Ganglionic branches

7654e Zygomatic n
T3 (A7) *into* (A5) *begins*
7654f Zygomatico-temporal branch
7654g Zygomatico-facial branch
T3 (A7) *into* (A5) *ends*
7654h Infra-orbital n
7654j Superior alveolar (dental) branches
T4 (A7) *into* (A5) *begins*
7654k Anterior superior alveolar branch
7654m Posterior superior alveolar branch
7654n Middle superior alveolar branch
7654p Superior dental plexus
T4 (A7) *into* (A5) *ends*
7654q Palpebral branches
7654r Nasal branches
7654B Superior labial branches
7654C Pterygopalatine (Sphenopalatine) ganglion
T5 (A7) *into* (A5) *begins*
7654D Nerve of the pterygoid canal
7654E Sympathetic root
7654F Orbital branches
7654G Palatine n
T3 (A8) *into* (A5) *begins*
7654H Anterior palatine *n*
T2 (A9) *into* (A5) *begins*
7654J Posterior inferior nasal branches
T2 (A9) *into* (A5) *ends*
7654K Posterior palatine n
7654M Middle palatine n
T3 (A8) *into* (A5) *ends*
7654N Nasal branches
T4 (A8) *into* (A5) *begins*
7654P Lateral posterior superior nasal n
7654Q Medial posterior superior nasal n
T3 (A9) *into* (A5) *begins*
7654R Nasopalatine n
T3 (A9) *into* (A5) *ends*
T4 (A8) *into* (A5) *ends*
7654S Pharyngeal branch
T5 (A7) *into* (A5) *ends*
7655 Mandibular n/Post trematic branch of trigeminal n
7655c Sensory root
7655d Motor root
7655e Meningeal branch/Nervous spinosus
7655h Nerve to the medial pterygoid
7655j Anterior trunk
T6 (A7) *into* (A5) *begins*
7655k Buccal n
7655m Masseteric n
7655n Deep temporal n
7655r Nerve to lateral pterygoid
T6 (A7) *into* (A5) *ends*
7655C Posterior trunk
T7 (A7) *into* (A5) *begins*
7655D Auriculo-temporal n
T5 (A8) *into* (A5) *begins*
7655E Anterior auricular branches
7655F Branches to the external acoustic meatus
7655G Articular braches
7655H Parotid branches
7655J Superficial temporal branches
T5 (A8) *into* (A5) *ends*
7655K Lingual n
7655M Inferior alveolar (dental) n
T6 (A8) *into* (A5) *begins*
7655N Mylohyoid n
7655P Branches to molar and premolar teeth
7655Q Incisive branch
7655R Mental n
T6 (A8) *into* (A5) *ends*
T7 (A7) *into* (A5) *ends*
766 Abducent n
767 Facial n
7671 Geniculum
7672 Genicular ganglion
7673 Branches of communication
76731 With the vestibulocochlear n
76732 With the pterygopalatine ganglion by the greater petrosal n
76733 With the otic ganglion by a

branch which joins the lesser peterosal n
76734 With the sympathetic plexus on the middle meningeal artery
76735 With the auricular branch of Vagus
76736 With the glossopharyngeal, vagus, great auricular and auriculotemporal n
76737 With the lesser occipital n
76738 With the trigeminal n
7673A With the transverse cutaneous nerve of the neck
7674 Branches of distribution
7674c Nerve to stapedius
7674d Chordatympani n
7674e Posterior auricular n

T8 (A7) into (A5) begins

7674f Auricular branch
7674g Occipital branch

T8 (A7) into (A5) ends

7674h Digastric branch
7674k Stylohyoid branch
7674m Temporal branches
7674n Zygomatic branches
7674C Buccal branches

T9 (A7) into (A5) begins

7674D Superficial branches
7674E Deep branches

T9 (A7) into (A5) ends

7674F Mandibular branches
7674G Cervical branch
7674H Submandibular ganglion

T10 (A7) into (A5) begins

7674J Motor/Parasympathetic root
7674K Sympathetic root

T10 (A7) into (A5) ends

768 Vestibulocochlear n
768c Vestibular part

T13 (A6) into (A4) begins

768d Vestibular ganglion
768h Nerve to utricle
768k Nerve to saccule
768m Nerve to ampullae

T13 (A6) into (A4) ends

768r Cochlear n

T14 (A6) into (A4) begins

768s Spiral ganglion

T14 (A6) into (A4) ends

76A Glossopharyngeal n
76A1 Superior ganglion
76A2 Inferior ganglion

T15 (A6) into (A4) begins

76A3 Peripheral branches

T15 (A6) into (A4) ends

76A4 Tympanic n

T16 (A6) into (A4) begins

76A5 Tympanic plexus

T6 (A7) into (A4) begins

76A6 Branch to greater petrosal n
76A7 Branches to supply mucous membrane lining the tympanic cavity, auditory tube and mastoid air cells
76A8 Lesser petrosal n

T6 (A7) into (A4) ends
T16 (A6) into (A4) ends

76AB Carotid branch
76AC Pharyngeal branches
76AD Muscular branch to stylopharyngeus
76AE Tonsillar branches
76AF Lingual branches
76AG Otic ganglion

T17 (A6) into (A4) begins

76AH Parasympathetic root
76AJ Sympathetic root

T17 (A6) into (A4) ends

76B Vagus n
76B1 Superior ganglion
76B2 Inferior ganglion
76B3 Meningeal branch
76B4 Auricular branch
76B5 Pharyngeal branch

T18 (A6) into (A4) begins

76B6 Pharyngeal plexus

T18 (A6) into (A4) ends

76B7 Branches to carotid body
76B8 Superior laryngeal n

T19 (A6) into (A4) begins

76BA Internal laryngeal n
76BB External laryngeal n

T19 (A6) into (A4) ends

76BC Recurrent laryngeal n
76BF Cardiac branches
76BG Anterior pulmonary branches

*T*20 (A6) *into* (A4) *begins*
76BH Anterior pulmonary plexus
*T*20 (A6) *into* (A4) *ends*

76BJ Posterior pulmonary plexus
76BK Oesophageal branches

*T*21 (A6) *into* (A4) *begins*
76BM Oesophageal plexus
*T*21 (A6) *into* (A4) *ends*

76BN Gastric branches
76BN1 Greater anterior gastric nerve
76BN2 Pyloric branches
76BP Coeliac branches
76BQ Hepatic branches
76BR Renal branches

76C Accessory n
76C1 Cranial root
76C2 Spinal root
76C3 Internal rami
76C4 External rami
76D Hypoglossal n
76D1 Meningeal branch
76D2 Descending branch

*T*22 (A6) *into* (A4) *begins*
76D3 Ansa cervicalis
*T*22 (A6) *into* (A4) *ends*

76D4 Nerve to thyroid
76D5 Muscular branches to styloglossus, hypoglossus, Geniohyoid, Genioglossus

77 Spinal n
77*b* Roots

*T*9 (A5) *into* (A3) *begins*
77c Ventral root
77d Dorsal root
77d1 Spinal ganglion
*T*9 (A5) *into* (A3) *ends*

77f Rami

*T*10 (A5) *into* (A3) *begins*
77g Ventral
77h Dorsal
*T*10 (A5) *into* (A3) *ends*

77j Components

*T*11 (A5) *into* (A3) *begins*
77k Somatic

*T*5 (A6) *into* (A3) *begins*
77m Somatic efferent
77n Somatic afferent
*T*5 (A6) *into* (A3) *ends*

77p Autonomic

*T*6 (A6) *into* (A3) *begins*
77q Efferent fibres
77r Afferent fibres
*T*6 (A6) *into* (A3) *ends*

77s Rami communicans
77t Cauda equina
*T*11 (A5) *into* (A3) *ends*

771 Cervical n
771b Dorsal ramus
771c Ventral ramus

T (23) (A6) *into* (A4) *begins*
771d Cervical plexus

*T*7 (A7) *into* (A4) *begins*
771e Superficial branches
771eb Lesser occipital

*T*7 (A8) *into* (A5) *begins*
771ce Auricular branch
*T*7 (A8) *into* (A5) *ends*

771ed Great auricular n

*T*8 (A8) *into* (A5) *begins*
771ec Anterior branch
771ef Posterior branch
*T*8 (A8) *into* (A5) *ends*

771eg Transverse (anterior) cutaneous nerve of the neck

*T*9 (A8) *into* (A5) *sbinge*
771eh Ascending branches
771ej Descending branches
*T*9 (A8) *into* (A5) *ends*

771ek Supraclavicular n

*T*10 (A8) *into* (A5) *begins*
771em Lateral supraclavicular n
771en Medial supraclavicular n
771ep Intermediate supraclavicular n

*T*10 (A8) *into* (A5) *ends*

771f Deep branches
771fc Medial series

*T*4 (A9) *into* (A5) *begins*

771fd Communicating branches

*T*5 (A10) *into* (A5) *begins*

771fe Hypoglossal
771ff Vagal
771fg Sympathetic

*T*5 (A10) *into* (A5) *ends*

771fh Muscular branches

*T*6 (A10) *into* (A5) *begins*

771fk Rectus capitis lateralis
771fm Longus capitis
771fn Longus colli

*T*6 (A10) *into* (A5) *ends*

771fB Nervous descendens cervicalis
771fC Phrenic n
771fD Accessory phrenic n

*T*4 (A9) *into* (A5) *ends*

771fE Lateral series

*T*5 (A9) *into* (A5) *begins*

771fF Communicating branches to accessory n
771fG Muscular branches

*T*7 (A10) *into* (A5) *begins*

771fH Sternocleidomastoid
771fJ Trapezius
771fK Levator scapulae
771fM Scalenus medius

*T*7 (A10) *into* (A5) *ends*

*T*5 (A9) *into* (A5) *ends*

*T*7 (A7) *into* (A4) *ends*

771g Brachial plexus

*T*8 (A7) *into* (A4) *begins*

771h Trunks
771h1 Upper
771h2 Middle
771h3 Lower
771j Cords
771j2 Posterior
771j3 Lateral
771j4 Medial
771k Branches of brachial plexus

*T*11 (A8) *into* (A4) *begins*

771m Supraclavicular branches
771m1 Arising from roots of the plexus
771m2 Dorsal scapular n
771m3 Long thoracic n
771m4 Branch to Scaleni and Longus colli
771m5 Branch to phrenic n

*T*8 (A10) *into* (A5) *ends*

771m6 Arising from trunks of the plexus

*T*9 (A10) *into* (A5) *begins*

771m7 Nerve to subclavius
771m8 Suprascapular n

*T*9 (A10) *into* (A5) *ends*

771n Infraclavicular branches

*T*5 (A9) *into* (A4) *begins*

771p Pectoral n
771p3 Lateral pectoral n
771p4 Medial pectoral n
771q Subscapular n
771q1 Upper
771q2 Lower
771r Thoracodorsal n
771s Auxillary/Circumflex humeral n
771s1 Anterior branch
771s2 Posterior branch
771s3 Upper lateral cutaneous nerve of the arm
771t Musculo-cutaneous n
771t1 Lateral antebrachial cutaneous n
771t2 Muscular branches
771t3 Lateral cutaneous nerve of the forearm
771u Medial cutaneous nerve of the forearm/Medial antibrachial cutaneous n
771u1 Anterior branch
771u2 Posterior branch
771v Medial cutaneous nerve of the arm/Medial brachial cutaneous n
771w Median n
771w1 Roots

*T*10 (A11) *into* (A5) *begins*

771w3 Lateral

771w4 Medial
T10 (A11) into (A5) ends
771w5 Median nerve branches in the arm
T11 (A11) into (A5) begins
771w6 Vascular branches to brachial artery
771w7 To pronator teres
T11 (A11) into (A5) ends
771wB Median nerve branches in the forearm
T12 (A11) into (A5) begins
771wC Muscular branches
771wD Articular branches
771wE Anterior interosseous n
771wF Palmar cutaneous branch
771wG Communicating branch
T12 (A11) into (A5) ends
771wH Branches in the palm
T13 (A11) into (A5) begins
771wJ Muscular branch
771wK Palmar digital branches
T13 (A11) into (A5) ends
771wM Vasomotor branches
771x Ulnar n
771x1 Muscular branches
771x2 Articular branches
771x4 Palmar cutaneous branch
771x5 Dorsal branch
771x6 Superficial terminal branch
771x7 Deep terminal branch
771y Radial n
771y1 Muscular branches
771y2 Articular branches
771y3 Cutaneous branches
T14 (A11) into (A5) begins
771y4 Posterior cutaneous nerve of the arm
771y5 Lower lateral cutaneous nerve of the arm
771y6 Posterior cutaneous nerve of the forearm
T14 (A11) into (A5) ends
771y7 Posterior interosseous n
T5 (A9) into (A4) ends
T11 (A8) into (A4) ends
T18 (A7) into (A4) ends
T23 (A6) into (A4) ends

7711 First cervical n
77111 Dorsal ramus/Suboccipital n
77116 Ventral ramus
7712 Second cervical n
77121 Dorsal ramus
T11 (A7) into (A5) begins
77122 Lateral branch
77123 Medial branch/Greater occipital n
T11 (A7) into (A5) ends
77126 Ventral ramus
7713 Third cervical n
77131 Dorsal ramus
T12 (A7) into (A5) begins
77132 Lateral branch
77133 Medial branch
T11 (A8) into (A5) begins
77134 Third occipital n
T11 (A8) into (A5) ends
77135 Posterior cervical plexus
T12 (A7) into (A5) ends
77136 Ventral ramus
7714 Fourth cervical n
7715 Fifth cervical n
7716 Sixth cervical n
7717 Seventh cervical n
7718 Eighth cervical n
Note.—For subdivisions of 7714, 7715, · · · 7718, divide like 7713 (*Illustrative*)
77161 Dorsal ramus of Sixth cervical n
77186 Ventral ramus of Eighth cervical n
772 Thoracic n
772b Dorsal ramus
772b2 Lateral branch
772b3 Medial branch
772c Ventral ramus/Intercostal n
T24 (A6) into (A4) begins
772e Upper thoracic n
772e1 Anterior branches
772e2 Posterior branches
772e3 Collateral branch
772e4 Lateral cutaneous branch
772e5 Anterior cutaneous nerve of thorax
772m Lower thoracid n

Note.— For branches, divide like 772e (Illustrative)

772m2 Posterior branches
T24 (A6) into (A4) ends

7721 First thorartic n
77211 Dorsal ramus
T13 (A7) into (A5) begins
77212 Lateral branch
77213 Medial branch
T13 (A7) into (A5) ends
77216 Ventral ramus
T14 (A7) into (A5) begins
7721A Anterior branches
7721B Posterier branches
7721C Collateral branches
7721D Lateral cutaneous branch
7721E Anterior cutaneous nerve of thorax
T14 (A7) into (A5) ends

7722 Second thoracic n
... .
7728 Eight thoracic n
772A Ninth thoracic n
... .
772D Twelfth thoracic n
Note.— For Divisions of 7722, 7723, ··· 772D, divide like 7721 (Illustrative)
77271 Dorsal ramus of Seventh thoracic n
77276 Ventral ramus of Seventh thoracic n
7727B Posterior branch of the ventral ramus of seventh thoracic n

773 Lumbar n
773b Dorsal ramus
773b3 Medial branch
773c Ventral ramus
T25 (A6) into (A4) begins
773d Lumbar plexus
T9 (A7) into (A4) begins
773e Muscular branches
773f Ilio-hypogastric n
773f1 Anterior cutaneous branch
773f3 Lateral cutaneous branch
773g Ilio-inguinal n

773h Genito-femoral n
773h1 Genital branch
773h2 Femoral branch
773j Lateral cutaneous nerve of the thigh
773j1 Anterior branch
773j2 Posterior branch
773k Obturator n
773k1 Anterior branch
773k2 Posterior branch
T6 (A9) into (A5) begins
773k3 Articular branch to knee joint
T6 (A9) into (A5) ends
773m Accessory obturator n
773n Femoral n
T12 (A8) into (A4) begins
773p Musuclar branches
773q Vascular branches
773r Nerve to the Pectineus

773s Anterior division
773s1 Intermediate cutaneous nerve of the thigh
773s2 Nerve to sartorius
773s3 Medial cutaneous nerve of the thigh
T10 (A10) into (A5) begins
773s4 Anterior branch
773s5 Posterior branch
T10 (A10) *into* (A5) *ends*
773t Posterior division
T6 (A9) into (A4) begins
773u Saphenous n
773u1 Infrapatellar branch
773v Muscular branches
773w Articular branches
T6 (A9) into (A4) ends
773x Subsartorial plexus
773y Patellar plexus
T12 (A8) into (A4) ends
T9 (A7) into (A4) ends
T25 (A6) into (A4) ends
7731 First lumbar n
77311 Dorsal ramus
T15 (A7) into (A5) begins
77312 Lateral branch

77313 Medial branch
T15 (A7) into (A5) ends
77316 Ventral ramus
7732 Second lumbar n
. . . .
7735 Fifth lumbar n
Note.—For Divisions of 7732, 7733 ··· 7735, divide like 7731. *(Illustrative)*
77332 Lateral branch of the dorsal ramus of third lumbar n
77356 Ventral ramus of fifth lumbar n
774 Sacral n
774b Dorsal ramus
774b2 Lateral branch
774b3 Medial branch
774c Ventral ramus
T26 (A6) into (A4) begins
774d Sacral plexus
T10 (A7) into (A4) begins
774e Lumbosacral trunk
774f Ventral rami of S1, S2 and S3
774g Branches
T13 (A8) into (A4) begins
774h Nerve to quadratus femoris and Gemellus inferior
774h1 Articular branch to hip joint
774j Nerve to obturator internus and Gemellus superior
774k Nerve to piriformis
774m Superior gluteal n
774m1 Superior branch
774m2 Inferior branch
774n Inferior gluteal n
774p Posterior femoral cutaneous n
774p1 Gluteal branches
774p2 Perineal branch
774p3 Branches to the back of thigh and leg
774q Sciatic n
T7 (A9) into (A4) begins
774r Articular branches
774s Muscular branches
774t Tibial/Medial popliteal n
774t1 Muscular branches
774t2 Articular branches
774t3 Sural n
774t4 Medial calcanean branches
774t5 Vascular branches
774t6 Medial plantar n
774t7 Muscular branches
774t8 Articular branches
774tB Cutaneous branches
774tC Proper digital nerve of the great toe
774tD Common plantar digital n
T15 (A11) into (A5) ends
774tE Lateral plantar n
T16 (A11) into (A5) begins
774tF Superficial branch
T14 (A12) into (A5) begins
774tG Plantar digital n
T14 (A12) into (A5) ends
774tH Deep branch
T16 (A11) into (A5) ends
774u Common peroneal/Lateral popliteal n
774u2 Articular branches
774u3 Cutaneous branches
T17 (A11) into (A5) begins
774u4 Lateral cutaneous nerve of the calf of the leg
774u5 Sural communicating branch
T17 (A11) into (A5) ends
774uB Deep peroneal/Anterior tibial n
T18 (A11) into (A5) begins
774uC Muscular branches
774uD Articular branch to ankle joint
774uE Lateral terminal branch
T15 (A12) into (A5) begins
774uF Interosseous branches
T15 (A12) into (A5) ends
774uG Medial terminal branch
T16 (A12) into (A5) begins
774uH Interosseous branches
T16 (A12) into (A5) ends
T18 (A11) into (A5) ends
774uJ Superficial peroneal/Musculo-cutaneous n
T19 (A11) into (A5) begins
774uK Muscular branches
774uM Medial branch

*T*17 (A12) *into* (A5) *begins*
774uN Dorsal digital n
*T*17 (A12) *into* (A5) *ends*
774uP Lateral branch
*T*18 (A12) *into* (A5) *begins*
774uQ Dorsal digital branches
*T*18 (A12) *into* (A5) *ends*
*T*19 (A11) *into* (A5) *ends*
*T*7 (A9) *into* (A4) *ends*
774v Perforating cutaneous n
774w Pudendal n
*T*8 (A9) *into* (A4) *begins*
774x Inferior rectal n
774y Perineal n
774y1 Posterior scrotal/labial branches
774y2 Muscular branches
*T*20 (A11) *into* (A5) *begins*
774y3 Nerve to bulbo-spongiosus
*T*19 (A12) *into* (A5) *begins*
774y4 Nerve to the urethral bulb
*T*19 (A12) *into* (A5) *ends*
*T*20 (A11) *into* (A5) *ends*
774zb Dorsal nerve of the penis/clitoris
*T*8 (A9) *into* (A4) *ends*
774zc Pelvic splanchnic n
774zd Muscular branches
*T*9 (A9) *into* (A4) *begins*
774ze To Levator ani
774zf Coccygeus
774zg Sphincter ani externus
T 9 (A9) *into* (A4) *ends*
*T*13 (A8) *into* (A4) *ends*
*T*10 (A7) *into* (A4) *ends*
*T*26 (A6) *into* (A4) *ends*
775 Coccygeal n
775b Dorsal ramus
775c Coccygeal plexus/Ventral ramus
*T*7 (A6) *into* (A3) *begins*
775d Anococcygeal n
*T*7 (A6) *into* (A3) *ends*
*T*2 (A3) *into* (A2) *ends*
78 Autonomic nervous system
781 Sympathetic system

7811 Rami communicans
78111 Gray ramus communicans
78112 White ramus communicans
78113 Mixed type
7812 Sympathetic ganglia
7813 Sympathetic n
78131 Preganglionic fibres
78132 Postganglionic fibres
78133 Afferent fibres
7814 Sympathetic trunks
*T*1 (A5) *into* (A4) *begins*
7815 Sympathetic trunk ganglia
7816 Cephalic part of the sympathetic system
*T*27 (A6) *into* (A4) *begins*
7817 Internal carotid n
78172 Lateral branch
78173 Medial branch
78175 Internal carotid plexus
*T*12 (A8) *into* (A5) *begins*
78176 Carotid ganglion
78177 Deep petrosal branch
78178 Superior caroticotympanic n
7817B Inferior caroticotympanic n
7817C Terminal filaments
*T*12 (A8) *into* (A5) *ends*
*T*27 (A6) *into* (A4) *ends*
781B Cervical part of the sympathetic system
*T*28 (A6) *into* (A4) *begins*
781C Superior cervical ganglion
781Cb Anterior branches
*T*13 (A8) *into* (A5) *begins*
781Cc Plexus
781Cd External petrosal n
*T*13 (A8) *into* (A5) *ends*
781Ce Lateral branches
*T*14 (A8) *into* (A5) *begins*
781Cf Gray rami communicans
781Cg Jugular n
*T*14 (A8) *into* (A5) *ends*
781Ch Medical branches
*T*15 (A8) *into* (A5) *begins*
781Ck Laryngopharyngeal branches
781Cm Cardiac branch
*T*15 (A8) *into* (A5) *ends*
781D Middle cervical ganglion

781D1 Gray rami communicans
781D2 Vertebral ganglion
781D3 Posterior cord
781D4 Anterior cord
781D5 Ansa subclavia
781D6 Thyroid branches
781D7 Cardiac branch
781DB Tracheal branches
781DC Oesophageal branches
781E Inferior cervical ganglion/ Cervico-thoracic ganglion/ Stellate ganglion
781E1 Gray rami communicans
781E2 Thoracic ganglion
781E3 Cardiac branch
781E4 Offsets to blood vessels
781E5 Plexus vertebralis
T16 (A8) into (A5) begins
781E6 Deep rami communicates
T16 (A8) into (A5) ends
781E7 Plexus subclavius
T28 (A6) into (A4) ends
781F Thoracic part of the sympathetic system
781Fb Gray rami communicantes
781Fd White rami communicantes
781Fe Thoracic ganglion
781Ff Medial branches from the upper five ganglia
T16 (A7) into (A5) begins
781Fg Plexus aorticus thoracalis
T16 (A7) into (A5) ends
781Fm Medial branches from lower seven ganglia
T17 (A7) into (A5) begins
781Fn Greater splanchnic n
T17 (A8) into (A5) begins
781Fp Ganglion splanchnicum
T17 (A8) into (A5) ends
781Fq Lesser splanchnic . n
781Fr Lowest splanchnic n/Renal n
T17 (A7) into (A5) ends
781G Lumbar part of the sympathetic system
781G1 Gray rami communicantes
781G2 Lumbar ganglion
781G3 Lumbar splanchnic n
781G4 Vascular branches
781J Pelvic part of the sympaathetic system
781J1 Gray rami communicantes
781J2 Sacral ganglion
781J3 Ganglion impar
781J4 Medial branches
781J5 Vascular branches
781K Great plexuses of the sympathetic system
T29 (A6) into (A4) begins
781M Cardiac plexus
781Mc Superficial part of cardiac plexus
T18 (A8) into (A5) begins
781Md Cardiac ganglion
781Me Branch to deep part of the plexus
781Mf Branch to Right coronary plexus
781Mg Branch to Left anterior pulmonary plexus
T18 (A8) into (A5) ends
781Mh Deep part of the cardiac plexus
781Mm Coronary plexus
781Mp Pulmonary plexuses
T19 (A8) into (A5) begins
781Mq Anterior pulmonary plexus
781Mr Posterior pulmonary plexus
T19 (A8) into (A5) ends
781N Coeliac plexus/Solar plexus
781N1 Coeliac ganglion
T20 (A8) into (A5) begins
781N2 Aortico-renal ganglion
T20 (A8) into (A5) ends
781N3 Secondary plexuses
T21 (A8) into (A5) begins
781N4 Phrenic plexus
T7 (A9) into (A5) begins
781N5 Phernic ganglion
T7 (A9) into (A5) ends
781N6 Hepatic plexus
781N7 Lienalis, plexus
781N8 Left gastric plexus
781NC Pancreatic plexus
781ND Splenic plexus

T8 (A9) *into* (A5) *begins*
781NE Subsidiary plexuses
T8 (A9) *into* (A5) *ends*
781NF Suprarenal plexus
781NG Renal plexus
781NH Ureteric plexus
781NJ Testicular ploxus/Ovarian plexus
781NK Superior mesenteric plexus
T9 (A9) *into* (A5) *begins*
781NM Superior mesenteric ganglion
T9 (A9) *into* (A5) *ends*
781NN Abdominal aortic plexus/Inter-mesenteric plexus
T10 (A9) *into* (A5) *begins*
781NP Inter-mesenteric n
T10 (A9) *into* (A5) *ends*
781NQ Inferior mesenteric plexus
T11 (A9) *into* (A5) *begins*
781NR Inferior mesenteric ganglion
T11 (A9) *into* (A5) *ends*
T21 (A8) *into* (A5) *ends*
781P Hypogastric plexus
781P1 Superior hypogastric plexus
T22 (A8) *into* (A5) *begins*
781P2 Hypogastric n
T22 (A8) *into* (A5) *ends*
781P3 Inferior hypogastric/Pelvic plexus
T23 (A8) *into* (A5) *begins*
781P4 Pelvic ganglion
781P5 Middle rectal plexus
781P6 Inferior rectal plexus
781P7 Superior rectal plexus
781P8 Vesical plexus
781PC Prostatic plexus
T12 (A9) *into* (A5) *begins*
781PD Lesser cavernous n
781PE Greater cavernous n
T12 (A9) *into* (A5) *ends*
781PG Utero-vaginal plexus
T13 (A9) *into* (A5) *begins*

781PH Uterine n
781PJ Uterine cervical ganglion
781PK Vaginal n
T13 (A9) *into* (A5) *ends*
T23 (A8) *into* (A5) *ends*
T29 (A6) *into* (A4) *ends*
T 1 (A5) *into* (A4) *ends*

782 Parasympathetic system
7821 Fibres
78211 Pre-ganglionic fibres
78212 Post-ganglionic fibres
78213 Inhibitory
78214 Acceleratory
78215 Constrictory/Contractory
78216 Dilatatory/Relaxatory
78217 Secretory
7822 Pathways
78221 Efferent
78222 Afferent
7823 Cranial outflow
T2 (A5) *into* (A4) *begins*
7824 From Midbrain
7825 From Pons
7826 From Medulla oblongata
T2 (A5) *into* (A4) *ends*
7827 Sacral outflow
T3 (A5) *into* (A4) *begins*
7828 Pelvic n
T3 (A5) *into* (A4) *ends*
795 Cerebro-spinal fluid

Special components to form compound isolates

b Ventral (Front)
d Dorsal (Back)
g Right
h Left
j Superior
k Inferior
m Medial
n Lateral
r Proximal
s Distal
t Base
u Apex
v Border
w Anterior end (cephalic)
x Posterior end (caudal)

8 EXAMPLES

81 ALPHABETICAL INDEX TO SUBJECTS

Given below is an alphabetical index to the subjects of the documents listed in Sec 82 Classified Part. The Serial Number of the entry in Sec 82 is given as the Index Number against each entry in this section. The alphabetical subject index has been prepared according to Chain Indexing.

82 CLASSIFIED PART

L MEDICINE
L,7 NERVOUS SYSTEM
L,72 BRAIN
L,72;2 MEDICINE, BRAIN, ANATOMY

1 N67 MACKAY (D). Human brain. (Sci j. 3,5;1967; 42–52).

L,72g ARACHNOID MATER
L,72g;2 MEDICINE, BRAIN, ARACHNOID MATER, ANATOMY

2 113N71 MAYET (A) and others. Number and distribution of foveolae granulares on the cranial vault of man (Ger). (Anat anz. 128;1971; 454–63).

L,724 CEREBRUM
L,7246 SUPERO-LATERAL SURFACE
L,72467 PARIETAL LOBE
L,724675 POST-CENTRAL GYRI
L,724675;2"y7,(K,97975M) MEDICINE, POST-CENTRAL GYRI, ANATOMY, CASE STUDY, MACAQUE

3 N71 WHITSEL (B L) and others. Determinants of body representation in post-central gyrus of macaques. (J neurophysiol 34;1971; 1018–34).

L,72468 TEMPORAL LOBE
L,72468;477 MEDICINE, CEREBRUM, SUPERO-LATERAL SURFACE, TEMPORAL LOBE, INJURY

4 123N71 YAGUE (C R) and others. Temporal lobe contusion (Spa). (Rev esp otoneuro neurocir. 29;1971;158–61).

L,7247 MEDIAL SURFACE
L,7247E CINGULATE GYRUS
L,7247E;3"y7,(K,9791F+D) MEDICINE, CINGULATE GYRUS, PHYSIOLOGY, CASE STUDY, CAT

5 N71 SIEGEL (A) and others. Effects of electrical stimulation of the cingulate gyrus upon attack behaviour elicited from the hypothalamus in the cat. (Brain res. 32; 1971; 169–77).

L,724A RHINENCEPHALON
L,724A;471 MEDICINE, RHINENCEPHALON, STRUCTURAL ABNORMALITY

6 123N70 ORLANDO (J C) and others. Rhinencephalon or limbic system (Spa). (Arch fund roux ocefz. 4;1970;33–40).

L,724B OLFACTORY BULB
L,724B;2"y7,(K,9254) MEDICINE, OLFACTORY BULB, ANATOMY, CASE STUDY, TELEOST

7 N71 SCALIA (F) and others. Central projections of the olfactory bulb in a teleost. (Brain behav evol. 4;1971; 376–99).

L,724E HIPPOCAMPAL FORMATION
L,724E4 HIPPOCAMPUS
L,724E4;3"y7,(K,9791F+D) MEDICINE, HIPPOCAMPUS, PHYSIOLOGY, CASE STUDY, CAT

8 N71 KIM (C) and others. Sleep pattern of hippocampectomized cat. (Brain res. 29;1971; 223–36).

L,724H CEREBRAL CORTEX
L,724H–724CT;2 MEDICINE, CEREBRAL CORTEX, PREPIRIFORM AREA, ANATOMY

9 N71 DRUGA (R). Projection of prepyriform cortex into claustrum. (Folia morphol (Praha). 19;1971;405–10).

L,724HG STRIATE AREA
L,724HG;3'y7,(K,97975R) MEDICINE, STRIATE AREA, PHYSIOLOGY, CASE STUDY, RHESUS MONKEY

10 N71 ZEKI (S M). Convergent input from the striate cortex (area 17) to the cortex of the superior temporal sulcus in the rhesus monkey. (Brain res. 28;1971; 338–40).

L,724J CORPUS CALLOSUM
L,724J;2'y7,(K,97975R) MEDICINE, CORPUS CALLOSUM, ANATOMY, CASE STUDY, RHESUS MONKEY

11 N71 KAROL (E A) and others. Distribution of the corpus callosum in the rhesus monkey. (Brain. 94;1971; 471–86).

L,724P LATERAL VENTRICLE
L,724P;2'y7,(K,9791F+D) MEDICINE, LATERAL VENTRICLE, ANATOMY, CASE STUDY, CAT

12 N71 SIEGEL (A) and others. Differential efferent projections of the lateral and medial septal nuclei to the hippocampus in the cat. (Brain behav evol. 4;1971;201–19).

L,724Ps VASOMOTOR CENTRE
L,724Ps;3 MEDICINE, VASOMOTOR CENTRE, PHYSIOLOGY

13 N71 SUCH (G). Functional organisation of the vaso-motor centre. (Acta physiol acad sci hung. 39;1971; 11–20).

L,724R BASAL NUCLEI
L,724Rc CORPUS STRIATUM
L,724Rc;458 MEDICINE, CORPUS STRIATUM, NECROSIS

14 N71 KOEPPEN (A H) and others. Striato-nigral degeneration. (Acta neuropathol (Berl). 19;1971;10–9).

L,724Rm GLOBUS PALLIDUS
L,724Rm;455'y7,(K,97931R+R) MEDICINE, GLOBUS PALLIDUS, COMPLICATED FUNCTIONING, CASE STUDY, RAT

15 N71 LEVINE (M S) and others. Sensori-motor dysfunctions and aphagia and adipsia following pallidal lesions in rats (J comp physiol psychol. 77;1971;282–93).

L,724S LOBES OF CEREBRAL HEMISPHERE
L,724S2 PARIETAL LOBE
L,724S2;2 MEDICINE, CEREBRUM, PARIETAL LOBE, ANATOMY

16 N71 PETRAS (J M). Connections of the parietal lobe. (J psychiatr res. 8;1971; 189–201).

L,727 THALAMUS
L,727;2 MEDICINE, THALAMUS, ANATOMY

17 N71 MEHLER (W R). Idea of a new anatomy of the thalamus. (J pyschiatr res. 8;1971; 203–17).

L,728 METATHALAMUS
L,7282 GENICULATE BODIES
L,7282;2 MEDICINE, GENICULATE BODIES, ANATOMY

18 N71 GUILLERY (R W). Survival of large cells in the dorsal lateral geniculate laminae after interruption of reticulogeniculate afferents. (Brain res. 28; 1971; 541–4).

L,72B HYPOTHALAMUS
L,72Bc HYPOTHALAMIC NUCLEI
L,72Bc;33 MEDICINE, HYPOTHALAMIC NUCLEI, METABOLISM

19 142N71 VASILI'EVA (A P). Change in acetyl cholinesterase activity of rat microcellular hypothalamic nuclei during suppression of the adrenocorticotropic function of the hypophysis (Rus). (Bull esksp biol med. 72;1971; 111-4).

L,72B6 OPTIC CHIASMA
L,72B6;2 MEDICINE, OPTIC CHIASMA, ANATOMY

20 N70 HOYT (W F). Correlative functional anatomy of the optic chiasm. (Clin neurosurg. 17;1970;189-208).

L,72BM HYPOTHALAMO-HYPOPHYSEAL SYSTEM
L,72BM;3 MEDICINE, HYPOTHALAMO-HYPOPHYSEAL SYSTEM, PHYSIOLOGY

21 N71 HORTLING (H) and others. Vasopressin test as an aid in the evaluation of hypothalamo-pituitary-adrenal function. (Acta med. Scand. 189;1971;479-84).

L,72DZ BRAIN STEM
L,72DZ;4z35=h1 MEDICINE, BRAIN STEM, HAEMORRHAGE, PRIMARY STAGE

22 123N69 BOTTINELLI (M D) and others. Spontaneous primary haemorrhage of the brain stem. (Spa). (Acta neurol Lat Amer. 15;1969; 154-79).

L,72F CEREBRAL PEDUNCLE
L,72F2 SUBSTANTIA NIGRA
L,72F2-12713; MEDICINE, SUBSTANTIA NIGRA, NEURONS, PHYSIOLOGY

23 N71 YOSHIDA (M) and others. Mono-synaptic inhibition of neurons of the substantia nigra by Caudato-nigral fibres. (Brain res. 32;1971;225-8).

L,72F3 TEGMENTUM
L,72F3d SUPERIOR COLLICULI
L,72F3d;3*y7,(K,96387C+L) MEDICINE, SUPERIOR COLLICULI, PHYSIOLOGY, CASE STUDY, PIGEON

24 N71 BILGE (M). Electro-physiological investigations on the pigeon's optic tectum. (Quart j exp physiol. 56; 1971; 242-9).

L,72F3E RED NUCLEUS
L,72F3E;2*y7,(K,97935R) MEDICINE, RED NUCLEUS, ANATOMY, CASE STUDY, RABBIT

25 N71 MIZUNO (N) others. Rubral fibres to the facial nucleus in the rabbit. (Brain res. 28;1971;545-9).

L,72F3N RETICULAR FORMATION
L,72F3N;2 MEDICINE, TECTUM, RETICULAR FORMATION, ANATOMY

26 N71 BOWSHER (D) and others. Ultra-structural characteristics of the caudal and rostral brain stem reticular formation. (Brain res. 28; 1971; 443-57).

L,72J PONS
L,72J7 TEGMENTAL PART
L,72J74 VENTRAL COCHLEAR NUCLEUS
L,72J74;2 MEDICINE, VENTRAL COCHLEAR NUCLEUS, ANATOMY

27 121N70 TREVISE (M) and others. Anatomical studies on the correlations of the axonal prolongations of the neurons of the spiral ganglion of corti in the ventral cochlear nucleus (Italian). (Arch Ital anat embiol. 75;1970; 37–48).

L,72J7B FACIAL NUCLEUS
L,72J7B;3'y7,(K,9791F+D) MEDICINE, FACIAL NUCLEUS, PHYSIOLOGY, CASE STUDY, CAT

28 N71 KITAI (S T) and others. Antidromic and synpatic activation of the facial nucleus of cat. (Brain res. 33;1971; 227–32).

L,72M CEREBELLUM
L,72M;4 MEDICINE, CEREBELLUM, DISEASE

29 123N70 THOMPSON (A F) and others. Diseases of the cerebellar system (Spa). (Arch fund roux ocefa. 4;1970; 101–15).

L,72P MEDULLA OBLONGATA
L,72Py SUBSTANTIVE GELATINOSA
L,72Py;2 MEDICINE, SUBSTANTIVE GELATINOSA. ANATOMY

30 N71 RUSTIONI (A) and others. Histo-chemical study of the distribution of the trigeminal divisions in the substantia gelatinosa of the rat. (Brain res. 32; 1971; 45–52).

L,72T CHIEF NERVE TRACTS
L,72TC PYRAMIDAL SYSTEM
L,72TC;477 MEDICINE, PYRAMIDAL SYSTEM, INJURY

31 N71 GILMAN (S) and others. Effects of medullary pyramidotomy in the monkey. (Brain. 94;1971;495–530).

L,73 SPINAL CORD
L,73f DURA MATER
L,73f;475 MEDICINE, SPINAL CORD, DURA MATER, ABSCESS

32 113N70 GRUBEL (G). Spinal subdural empyema. (Ger.). (Acta neu-rochir (Wien). 22;1970;213–6).

L,73H GRAY MATTER
L,73Hc ANTERIOR HORN
L,73Hc–11;4:4 MEDICINE, SPINAL CORD, GRAY MATTER ANTERIOR HORN-CELL, DISEASE, PATHOLOGY

33 N71 SWAIMAN (K F). Progressive anterior horn cell disease. (Minn med. 54;1971;813)

L,73HF CENTRAL CANAL
L,73HF–733;47117–4a(L;497) MEDICINE, LUMBAR SPINAL CANAL, CONSTRICTION (*caused by*) COMPRESSION

34 123N71 BARBERA (J) and others. Stenosis of lumbar spinal canal (Spa). (Rev esp otoneuro neurocir. 29;1971;203–15).

L,73M LATERAL FUNICULUS
L,73MN POSTERIOR SPINO-CEREBELLAR TRACT
L,73MN–12713;3 MEDICINE, POSTERIOR SPINOCEREBELLAR TRACT-AXONS, PHYSIOLOGY

35 N71 MANN (M D). Axons of dorsal spino-cerebellar tract which respond to activity in the cutaneous receptors. (J neurophysiol. 34; 1971; 1035–50).

L,75 PERIPHERAL NERVOUS SYSTEM
L,75;4:7 MEDICINE, PERIPHERAL NERVOUS SYSTEM, DISEASE, SURGERY

36 N70 CAMPBELL (J B). Peripheral nerve repair. (Clin neurosurg. 17;1970;77–98).

L,76 CRANIAL NERVE
L,763 OCULOMOTOR NERVE
L,763;451 MEDICINE, OCULOMOTOR NERVE, PARALYSIS

37 123N70 ROVEDA (J M) and others. Absence of convergence (Spa.) (Arch oftalmol B Aires. 45; 1970;343–9).

L,768 VESTIBULO-COCHLEAR NERVE
L,768; 47257N MEDICINE, VESTIBULO-COCHLEAR NERVE, NEURILEMMOMA

38 122N71 BOUCHE (J) and others. Pseudo-neurilemmoma of the acoustic nerve (Fre). (Ann otolaryngol chir cervicofac. 88;1971;423–31).

L,76B VAGUS NERVE
L,76BC RECURRENT LARYNGEAL NERVE
L,76BC;47257N MEDICINE, RECURRENT LARYNGEAL NERVE, NEUROFIBROMA

39 N71 REES (G). Neurofibroma of the recurrent laryngeal nerve. (Chest. 60;1971;414–8).

L,77 SPINAL NERVE
L,77t CAUDA EQUINA
L,77t;4 MEDICINE, CAUDA EQUINA, DISEASE

40 N70 RANSOHOFF (J). Lesions of the cauda equina. (Clin neurosurg. 17;1970; 331–44).

L,771 CERVICAL NERVE
L,771g BRACHIAL PLEXUS
L,771g;477 MEDICINE, BRACHIAL PLEXUS, INJURY

41 N70 LEFFERT (R D). Brachial plexus injuries. (Orthop clin North Amer. 1;1970; 399–417).

L,771w MEDIAN NERVE
L,771w;47257L:4 MEDICINE, MEDIAN NERVE, LIPOMA, PATHOLOGY

42 N70 HAVERBUSH (T J) and others. Intra-neural lipoma of the median nerve. (Cleave clin q. 37;1970;145–9).

L,774 SACRAL NERVE
L,774t TIBIAL NERVE
L,774t3 SURAL NERVE
L,774t3;5 MEDICINE, SURAL NERVE, PHYSIOLOGY

43 N71 CAPE (C A). Sensory nerve action potentials of the peroneal, sural and tibial nerves. (Amer J phys med. 50;1971;210–9).

L,78 AUTONOMIC NERVOUS SYSTEM
L,78;3 MEDICINE, AUTONOMIC NERVOUS SYSTEM, PHYSIOLOGY

44 42N70 KIMURA (T). Consideration on the voluntary and involuntary control of the nervous system (Jap). (Arch Jap chir. 39;1970;193–4).

L,781 SYMPATHETIC SYSTEM
L;781C SUPERIOR CERVICAL GANGLION
L;781C;3 MEDICINE, SUPERIOR CERVICAL GANGLION, PHYSIOLOGY

45 N71 HALL (R G). Effects of injury and stimulation of the hypoglossal nerve and superior cervical ganglion on the mitotic activity of the glossal epithelium. (J exp zool. 178;1971;399–401).

L,781E STELLATE GANGLION
L,781E;3 MEDICINE, STELLATE GANGLION, PHYSIOLOGY

46 N71 RUSHMER (D S) and others. Inhibition of Purkinje cells in the frog cerebellum. I. Evidence for a stellate cell inhibitory pathway. (Brain res. 33; 1971;83–90).

L,781P HYPOGASTRIC PLEXUS
L,781P;3 MEDICINE, HYPOGASTRIC PLEXUS, PHYSIOLOGY

47 N70 RUSSE (M W) and others. Uterine response to adrenergic nerve stimulation in the guinea pig. (Biol reprod. 3;1970;13–22).

L,795 CEREBRO-SPINAL FLUID
L,795;33 MEDICINE, CEREBRO-SPINAL FLUID, METABOLISM

48 N71 HAERER (A F). Citrate and alpha-ketoglutarate in cerebrospinal fluid and blood. (Neurology (Minneap). 21;1971;1059–65).

L9B EMBRYO
L9B,7 NERVOUS SYSTEM
L9B,72 BRAIN
L9B,72h PIA MATER
L9B,72hj FOURTH VENTRICLE *irt* CHOROID PLEXUS
L9B,72hj;2 MEDICINE, EMBRYO, CHOROID PLEXUS OF FOURTH VENTRICLE, ANATOMY

49 N71 DUCKETT (S). Choroid plexus of the lateral ventricle during early human fetal life. (Anat anz. 129;1971; 77–83)

L9B,724 CEREBRUM
L9B,7241 HEMISPHERE
L9B,7241 MEDICINE, EMBRYO, CEREBRUM, HEMISPHERE

50 113N70 KAHLE (W). Development of the human cerebral hemisphere (Ger.). (Schriftenr neurol. 1;1970;1–116).

91 CONSULTATION WITH SPECIALIST

This schedule has been prepared in consultation with Dr N Sivarajan (of Government General Hospital, Madras), a specialist in Medical sciences. An experimental schedule

of Organs of the human body was prepared in 1967–68. During the last four years, this schedule has been modified in the light of experience gained at the Defence Institute of Physiology and Allied sciences and the development in the theory and practice of design of Library Classification in India.

92 A Sequel

As a sequel to this depth version of CC, depth versions for the different organs of the human body which together will form the schedule of (1P1) isolates in ' L Medicine ' will be published in instalments. These schedules taken along with depth classification schedule for Human disease (11), and Medicine schedule in CC Ed 7 (in preparation) will be helpful in classifying and preparing Subject Headings for articles in periodicals embodying Compound Subjects going with the Primary Basic Subject ' L Medicine'.

93 Bibliographical References

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2 Sec 032 Das (S P). Depth classification: Human organs. 1965 (Unpublished).

3 Sec 2 Neelameghan (A), Gopinath (M A), and Denton (PH). Motor vehicle production: Depth classification: A demonstration. (Lib sc. 4;1967; Paper H).

4 Sec 1 New Gould medical dictionary Ed 2. 1956.

5 Sec 022 Ranganathan (S R). Array change or level change? Rep by M A Gopinath. (Lib sc. 2;1965; Paper F).

6 Sec 2 ——, ——. Design of depth classification: Methodology. (Lib sc. 1;1964; Paper A).

7 Sec 02 316 ——. Prolegomena to library classification. Ed 3. Assis by M A Gopinath. 1967. Chap DF.

8 Sec 021 ——, ——. Chap FD.

9 Sec 02 ——, ——. Chap RM.

10 Sec 031 033 SEETHARAMA (S). Classification of the organs of the human body: A case study. (Ann sem, (DRTC). 6; 1968; Paper BG).

11 Sec 32 92 ——. Human disease: Depth classification version of CC. (Lib sc. 8;1971; Paper R).

12 Sec 032 ——. Revision of the schedule of organs of the human body in CC. (Ann sem, (DRTC). 5;1967; Paper L).

13 Sec 1 STEDMAN'S MEDICAL dictionary, Ed 21. 1966.