

Netter's Neuroscience Flash Cards – Section 2 – List 3rd Edition

<https://community-courses.memrise.com/community/course/1562996/netters-neuroscience-flash-cards-section-2/>

Section 2	Regional Neuroscience (99 cards)
Plate 2-1	Spinal Cord and PNS Schematic
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1.2	Ventral ramus
1.3	Dorsal ramus
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1.5	Dorsal root
1.6	Dorsal column
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1.8	Sympathetic chain ganglion
1.9	Splanchnic nerve
1.10	Collateral sympathetic ganglion
1.11	Neuroeffector junctions
1.12	Sympathetic chain
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5.8	S1
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6.8	Femoral (L2-4)
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8.3	Phrenicoabdominal branches of phrenic nerves (to inferior surface of diaphragm)
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9.2	Radial nerve
9.3	Axillary nerve
9.4	Musculocutaneous nerve
9.5	Lateral pectoral nerve
9.6	Suprascapular nerve
9.7	Long thoracic nerve
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10.4	Radial nerve
10.5	Median nerve
10.6	Ulnar nerve
10.7	Median nerve
10.8	Radial nerve
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11.2	Dorsal scapular nerve
11.3	Suprascapular nerve
11.4	Axillary nerve
11.5	Radial nerve
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12.6	Dorsal digital nerves
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12.11	Superficial branch of the radial nerve
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13.1	Musculocutaneous nerve
13.2	Articular branch
13.3	Lateral cutaneous nerve of the forearm
13.4	Anterior branch
13.5	Posterior branch
13.6	Axillary nerve
13.7	Radial nerve
13.8	Median nerve
13.9	Ulnar nerve
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14.4	Anterior interosseous nerve
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15.8	Proper palmar digital nerves
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16.3	Iliohypogastric nerve
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16.5	Genitofemoral nerve
16.6	Lateral cutaneous nerve of the thigh
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16.9	Accessory obturator nerve
16.10	Obturator nerve

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17.3	Common fibular (peroneal) nerve
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17.5	Tibial nerve
17.6	Nerve to piriformis
17.7	Inferior gluteal nerve
17.8	Superior gluteal nerve
17.9	Lumbosacral trunk
17.10	Pelvic splanchnic nerves (parasympathetic)
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18.1	Lateral femoral cutaneous nerve
18.2	Femoral nerve
18.3	Obturator nerve
18.4	Lumbosacral trunk
18.5	Lateral femoral cutaneous nerve
18.6	Anterior cutaneous branches of the femoral nerve
18.7	Saphenous nerve
18.8	Infrapatellar branch of the saphenous nerve
18.9	Medial crural cutaneous branches of the saphenous nerve
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19.1	Iliohypogastric nerve
19.2	Ilioinguinal nerve
19.3	Genitofemoral nerve
19.4	Lateral femoral cutaneous nerve
19.5	Femoral nerve
19.6	Obturator nerve
19.7	Posterior branch
19.8	Articular branch
19.9	Anterior branch
19.10	Posterior branch
19.11	Cutaneous branch
19.12	Articular branch to the knee joint
19.13	Lumbosacral trunk
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20.1	Posterior femoral cutaneous nerve
20.2	Inferior cluneal nerve
20.3	Perineal branches
20.4	Tibial segment of the sciatic nerve
20.5	Tibial nerve
20.6	Medial sural cutaneous nerve
20.7	Sural nerve
20.8	Tibial nerve in the ankle
20.9	Medial and lateral plantar nerves
20.10	Lateral sural cutaneous nerve
20.11	Common peroneal nerve
20.12	Common peroneal segment of the sciatic nerve
20.13	Sciatic nerve
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21.1	Tibial nerve
21.2	Medial sural cutaneous nerve
21.3	Sural nerve

21.4	Lateral calcaneal branch
21.5	Medial calcaneal branch
21.6	Lateral sural cutaneous nerve
21.7	Common peroneal nerve
21.8	Medial calcaneal branches
21.9	Medial plantar nerve
21.10	Lateral plantar nerve
21.11	Saphenous nerve
21.12	Sural nerve
21.13	Deep branch
21.14	Superficial branch
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22.1	Common peroneal nerve
22.2	Superficial peroneal nerve
22.3	Medial dorsal cutaneous nerve
22.4	Intermediate dorsal cutaneous nerve
22.5	Lateral dorsal cutaneous nerve
22.6	Proper dorsal digital nerves
22.7	Medial branch of the deep peroneal nerve
22.8	Lateral branch of the deep peroneal nerve
22.9	Deep peroneal nerve
22.10	Lateral sural cutaneous nerve
22.11	Lateral sural cutaneous nerve
22.12	Superficial peroneal nerve
22.13	Deep peroneal nerve
22.14	Sural nerve
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23.1	Ciliary ganglion
23.2	Pterygopalatine ganglion
23.3	Otic ganglion
23.4	Submandibular ganglion
23.5	Celiac ganglion
23.6	Greater thoracic splanchnic nerve
23.7	Superior mesenteric ganglion
23.8	Lumbar splanchnic nerves
23.9	Inferior mesenteric ganglion
23.10	Pelvic splanchnic nerves
23.11	Sympathetic trunk
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24.1	Trigeminal nerve (CN V)
24.2	Facial nerve (CN VII)
24.3	Vestibulocochlear nerve (CN VIII)
24.4	Glossopharyngeal nerve (CN IX)
24.5	Vagus nerve (CN X)
24.6	Mandibular nerve
24.7	Chorda tympani
24.8	Superior cervical sympathetic trunk ganglion
24.9	Vagus nerve (CN X)
24.10	Submandibular ganglion
24.11	Otic ganglion
24.12	Pterygopalatine ganglion
24.13	Ophthalmic nerve
24.14	Maxillary nerve
24.15	Oculomotor nerve (CN III)
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25.1	Glossopharyngeal nerve (CN IX)
25.2	Vagus nerve (CN X)
25.3	Superior cervical sympathetic trunk ganglion
25.4	Superior laryngeal nerve
25.5	Superior cervical cardiac branch of the vagus nerve

25.6	Superior cervical sympathetic cardiac nerve
25.7	Phrenic nerve
25.8	Middle cervical sympathetic trunk ganglion
25.9	Middle cervical sympathetic cardiac nerve
25.10	Recurrent laryngeal nerve
25.11	Cervicothoracic (stellate) ganglion
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26.1	Short ciliary nerves
26.2	Ciliary ganglion
26.3	Oculomotor nerve (CN III)
26.4	Nucleus of Edinger-Westphal (CN III)
26.5	Pretectum
26.6	Superior cervical sympathetic trunk ganglion
26.7	Ophthalmic nerve
26.8	Long ciliary nerve
26.9	Optic nerve (CN II)
26.10	Gray ramus communicans
26.11	First thoracic sympathetic trunk ganglion
26.12	White ramus communicans
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27.1	Cervicothoracic (stellate) ganglion
27.2	Cervical cardiac nerves (sympathetic and vagal)
27.3	Right greater thoracic splanchnic nerve
27.4	Right lesser thoracic splanchnic nerve
27.5	Right lowest thoracic splanchnic nerve
27.6	Left greater thoracic splanchnic nerve
27.7	Left sympathetic trunk
27.8	Cardiac plexus
27.9	Left recurrent laryngeal nerve
27.10	Left vagus nerve
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28.1	Vagus nerve (CN X)
28.2	Glossopharyngeal nerve (CN IX)
28.3	Superior cervical sympathetic ganglion
28.4	Sympathetic nerves
28.5	Superior laryngeal nerve
28.6	Carotid sinus
28.7	Carotid body
28.8	Pulmonary plexus
28.9	Stretch receptors (Hering-Breuer reflex)
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29.1	Nucleus of the solitary tract
29.2	Dorsal vagal nucleus
29.3	Superior cervical sympathetic trunk ganglion
29.4	Middle cervical sympathetic trunk ganglion
29.5	Cervicothoracic (stellate) ganglion
29.6	Thoracic vagal cardiac branch
29.7	Cardiac plexus
29.8	Thoracic sympathetic cardiac nerves
29.9	Vagus nerves (CN X)
29.10	Superior cervical vagal cardiac branches
29.11	Inferior cervical vagal cardiac branches
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30.1	Right sympathetic trunk
30.2	Right greater and lesser thoracic splanchnic nerves
30.3	Right phrenic nerves
30.4	Anterior and posterior vagal trunks
30.5	Celiac plexus and ganglia
30.6	Superior mesenteric ganglion
30.7	Left aorticorenal ganglion

30.8	Left sympathetic trunk
30.9	Inferior mesenteric ganglion
30.10	Superior hypogastric plexus
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31.1	Recurrent laryngeal nerves
31.2	Third thoracic sympathetic ganglion
31.3	Thoracic sympathetic trunk
31.4	Right greater splanchnic nerve
31.5	Celiac plexus and ganglia
31.6	Anterior vagal trunk
31.7	Left greater splanchnic nerve
31.8	Branches to esophageal plexus (from sympathetic trunk, greater splanchnic nerve, thoracic aortic plexus)
31.9	Esophageal plexus (anterior portion)
31.10	Vagus nerve (CN X)
31.11	Superior cervical sympathetic ganglion
31.12	Esophageal plexus
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32.1	Anterior vagal trunk
32.2	Celiac branch of the posterior vagal trunk
32.3	Celiac branch of the anterior vagal trunk
32.4	Left gastric artery and plexus
32.5	Anterior gastric branch of the anterior vagal trunk
32.6	Left lesser splanchnic nerve
32.7	Celiac ganglia and plexus
32.8	Plexus on gastro-omental (gastroepiploic) arteries
32.9	Superior mesenteric artery and plexus
32.10	Plexus on inferior pancreaticoduodenal artery
32.11	Plexus on anterior superior and anterior inferior pancreaticoduodenal arteries
32.12	Right gastric artery and plexus
32.13	Vagal branch from hepatic plexus to pyloric part of stomach
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33.1	Anterior vagal trunk
33.2	Celiac ganglia and plexus
33.3	Gastroduodenal artery and plexus
33.4	Lesser splanchnic nerves
33.5	Least splanchnic nerves
33.6	Aorticorenal ganglia
33.7	Superior mesenteric ganglion
33.8	Intermesenteric (aortic) plexus
33.9	Superior mesenteric artery and plexus
33.10	Middle colic artery and plexus
33.11	Right colic artery and plexus
33.12	Ileocolic artery and plexus
33.13	Superior mesenteric artery and plexus
33.14	Mesenteric branches
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34.1	Celiac ganglion and plexus
34.2	Right aorticorenal ganglion
34.3	Superior mesenteric ganglion
34.4	Middle colic artery and plexus
34.5	Right colic artery and plexus
34.6	Ileocolic artery and plexus
34.7	Cecal and appendicular arteries and plexus
34.8	Nerves from inferior hypogastric plexuses to sigmoid colon, descending colon, and left colic (splenic) flexure
34.9	Right and left hypogastric nerves
34.10	Superior hypogastric plexus
34.11	Sigmoid arteries and plexuses

34.12	Inferior mesenteric ganglion, artery, and plexus
34.13	Left colic artery and plexus
34.14	Left lumbar sympathetic trunk
34.15	Left aorticorenal ganglion
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35.1	Vagus nerve
35.2	Splanchnic nerve
35.3	Celiac or superior mesenteric ganglion (collateral ganglion)
35.4	Mesenteric nerves
35.5	Myenteric plexus (Auerbach's plexus)
35.6	Submucous (submucosal) plexus (Meissner's plexus)
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36.1	Dorsal root ganglion
36.2	Left greater thoracic splanchnic nerve
36.3	Anterior vagal trunk
36.4	Posterior vagal trunk
36.5	Right phrenic nerve
36.6	Celiac ganglion
36.7	Gastrooduodenal artery and plexus
36.8	Sphincter ampullae
36.9	Posterior hepatic plexus
36.10	Anterior hepatic plexus
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37.1	Right sympathetic trunk
37.2	Right greater thoracic splanchnic nerve
37.3	Posterior vagal trunk
37.4	Anterior vagal trunk
37.5	Celiac ganglia
37.6	Celiac trunk
37.7	Superior mesenteric ganglion
37.8	Superior mesenteric artery and plexus
37.9	Sympathetic input to the pancreas
37.10	Parasympathetic input to the pancreas
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38.1	Intermediolateral cell column (lateral horn)
38.2	Abdominopelvic splanchnic nerves
38.3	Sympathetic trunk
38.4	Celiac, aorticorenal, and renal ganglia (collateral ganglia)
38.5	Postganglionic sympathetic nerve fibers to blood vessels
38.6	Preganglionic cholinergic sympathetic fibers innervating adrenal medullary chromaffin cells
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39.1	Aorticorenal ganglion
39.2	Renal plexus and ganglion
39.3	Renal and upper ureteric branches from intermesenteric plexus
39.4	Intermesenteric (aortic) plexus
39.5	Inferior mesenteric ganglion
39.6	Sympathetic trunk and ganglion
39.7	Middle ureteric branch
39.8	Superior hypogastric plexus
39.9	Sacral splanchnic nerves
39.10	Hypogastric nerves
39.11	Pelvic splanchnic nerves
39.12	Inferior hypogastric (pelvic) plexus to lower ureter
39.13	Vesical plexus
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40.1	Intermesenteric plexus
40.2	Superior hypogastric plexus (presacral nerve)
40.3	Hypogastric nerves
40.4	Left pelvic splanchnic nerves
40.5	Pudendal nerve

40.6	Dorsal nerve of the penis
40.7	Penile cavernous nerves
40.8	Prostatic plexus
40.9	Vesical plexus
40.10	Inferior hypogastric (pelvic) plexus
40.11	Right testicular artery and plexus
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41.1	Left sympathetic trunk
41.2	Aorticorenal ganglion
41.3	Superior mesenteric ganglion
41.4	Inferior mesenteric ganglion
41.5	Superior hypogastric plexus (presacral nerve)
41.6	Hypogastric nerves
41.7	Uterovaginal plexus
41.8	Pelvic splanchnic nerves
41.9	Sacral plexus
41.10	Pudendal nerve
41.11	Ovarian artery and plexus
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42.1	Nucleus posterior marginalis (marginal zone)
42.2	Substantia gelatinosa (lamina II)
42.3	Nucleus proprius of the dorsal (posterior) horn
42.4	Nucleus dorsalis (Clarke's column)
42.5	Intermediolateral cell column
42.6	Intermediomedial cell column
42.7	Motor neurons of limbs
42.8	Motor neurons of trunk and neck
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43.1	Fasciculus gracilis
43.2	Fasciculus cuneatus
43.3	Substantia gelatinosa
43.4	Nucleus proprius
43.5	Anterior horn with lower motor neurons
43.6	Lateral corticospinal tract
43.7	Dorsal root
43.8	Marginal zone
43.9	Lateral horn with intermediolateral cell column
43.10	Nucleus dorsalis of Clarke
43.11	Dorsal spinocerebellar tract
43.12	Anterior white commissure
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44.1	Lissauer's zone
44.2	Intermediate gray
44.3	Anterior (ventral) horn with lower motor neurons
44.4	Ventral root
44.5	Anterior median fissure
44.6	Anterior corticospinal tract
44.7	Reticulospinal/vestibulospinal tracts
44.8	Ventral spinocerebellar tract
44.9	Substantia gelatinosa
44.10	Sacral parasympathetic nucleus
44.11	Cauda equina
44.12	Anterior spinal artery
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45.1	Pons
45.2	Cerebellum
45.3	Medulla
45.4	Cisterna magna
45.5	Subarachnoid space
45.6	Cervical spinal cord

45.7	Thoracic spinal cord
45.8	Lumbar cistern
45.9	Cauda equina—nerve roots in subarachnoid space
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46.1	Afferent inhibition
46.2	Muscle stretch reflex
46.3	Recurrent inhibition
46.4	Golgi tendon organ reflex
46.5	Flexor reflex withdrawal reflex
46.6	Renshaw cell bias
Plate 2-47	Muscle and Joint Receptors and Muscle Spindles
47.1	Alpha motor neuron fibers to extrafusal striated muscle end plates
47.2	Gamma motor neuron fibers in intrafusal striated muscle end plates
47.3	Ia ($A\alpha$) fibers from annulospiral endings (proprioceptive)
47.4	II ($A\beta$) fibers from flower spray endings (proprioceptors)
47.5	III ($A\delta$) fibers from free nerve endings and some specialized endings
47.6	IV (unmyelinated) fibers
47.7	Ib ($A\alpha$) fibers from Golgi tendon organs (proprioceptive)
47.8	γ 1 plate endings
47.9	γ 2 trail endings
47.10	Nuclear chain fiber
47.11	Nuclear bag fiber
Plate 2-48	Brain Stem Cross Section: Medulla–Spinal Cord Transition
48.1	Pyramid
48.2	Nucleus CN XI
48.3	Spinothalamic/spinoreticular tracts (protopathic system)
48.4	Ventral spinocerebellar tract
48.5	Dorsal spinocerebellar tract
48.6	Spinal tract of CN V
48.7	Spinal nucleus of CN V
48.8	Fasciculus cuneatus
48.9	Fasciculus gracilis
48.10	Lateral corticospinal tract
48.11	Central canal
48.12	Decussation of the pyramids
Plate 2-49	Brain Stem Cross Section: Medulla at the Level of the Obex
49.1	Pyramid
49.2	CN XII
49.3	Nucleus ambiguus
49.4	Spinothalamic/ spinoreticular tracts (protopathic system)
49.5	Spinal nucleus of CN V
49.6	Spinal tract of CN V
49.7	Tractus solitarius
49.8	Inferior cerebellar peduncle
49.9	External (lateral) cuneate nucleus
49.10	Nucleus cuneatus
49.11	Nucleus gracilis
49.12	Nucleus solitarius
49.13	Obex
49.14	Dorsal motor nucleus of CN X
49.15	Nucleus of CN XII (hypoglossal)
49.16	Medial lemniscus
49.17	Inferior olivary nucleus
Plate 2-50	Brain Stem Cross Section: Medulla at the Level of the Inferior Olive
50.1	Pyramid
50.2	CN XII (hypoglossal)
50.3	Inferior olivary nucleus
50.4	Nucleus ambiguus
50.5	Spinothalamic/ spinoreticular tracts (protopathic system)
50.6	CN X (vagus)

50.7	Spinal nucleus of CN V
50.8	Inferior cerebellar peduncle
50.9	External cuneate nucleus
50.10	Nucleus cuneatus
50.11	Tractus solitarius
50.12	Dorsal motor nucleus of CN X
50.13	Fourth ventricle
50.14	Nucleus of CN XII
50.15	Medial longitudinal fasciculus
50.16	Medial lemniscus
Plate 2-51	Brain Stem Cross Section: Medulla at the Level of CN X and the Vestibular Nuclei
51.1	Hypoglossal nucleus (CN XII)
51.2	Medial longitudinal fasciculus
51.3	Medial lemniscus
51.4	Pyramid
51.5	Inferior olivary nucleus
51.6	Spinal nucleus of CN V
51.7	CN X
51.8	Dorsal motor nucleus of CN X (vagus)
51.9	Inferior cerebellar peduncle
51.10	Inferior vestibular nucleus
51.11	Tractus solitarius
51.12	Medial vestibular nucleus
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52.1	Raphe nuclei (obscurus and pallidus)
52.2	Medial lemniscus
52.3	Corticospinal tract in basis pontis
52.4	Pontine nuclei
52.5	Middle cerebellar peduncle
52.6	Inferior vestibular nucleus
52.7	CN IX (glossopharyngeal)
52.8	CN VIII (vestibulocochlear)
52.9	Ventral cochlear nucleus
52.10	Inferior cerebellar peduncle
52.11	Dorsal cochlear nucleus
52.12	Medial vestibular nucleus
52.13	Medial longitudinal fasciculus
Plate 2-53	Brain Stem Cross Section: Pons at the Level of the Facial Nucleus
53.1	Lateral vestibular nucleus
53.2	Superior olivary nucleus
53.3	Fibers of CN VII
53.4	Medial lemniscus
53.5	CN VI (abducens)
53.6	Corticospinal tract
53.7	Trapezoid body
53.8	Spinothalamic/spinoreticular tracts (protopathic system)
53.9	CN VII (facial)
53.10	CN VIII (vestibulocochlear)
53.11	Nucleus of CN VII (facial)
53.12	Inferior cerebellar peduncle
53.13	Middle cerebellar peduncle
53.14	Dentate nucleus
53.15	Superior cerebellar peduncle
53.16	Superior vestibular nucleus
Plate 2-54	Brain Stem Cross Section: Pons at the Level of the Genu of the Facial Nerve
54.1	Nucleus of CN VI
54.2	Fibers of CN VI
54.3	Medial lemniscus
54.4	Nucleus of CN VII
54.5	CN VI (abducens)

54.6	Pontine nuclei
54.7	Corticospinal tract
54.8	Spinothalamic/spinoreticular tracts (protopathic system)
54.9	Spinal nucleus of CN V
54.10	Medial vestibular nucleus
54.11	Spinal tract of CN V (trigeminal)
54.12	Lateral vestibular nucleus
54.13	Middle cerebellar peduncle
54.14	Inferior cerebellar peduncle
54.15	Superior vestibular nucleus
54.16	Dentate nucleus
54.17	Superior cerebellar peduncle
54.18	Globose and emboliform nuclei
54.19	Fibers of CN VII (facial)
Plate 2-55	Brain Stem Cross Sections: Pons at the Level of the Trigeminal Motor and Main Sensory Nuclei
55.1	Medial parabrachial nucleus
55.2	Locus coeruleus
55.3	Fourth ventricle
55.4	Medial longitudinal fasciculus
55.5	Raphe nuclei (pontis)
55.6	Central tegmental tract
55.7	Medial lemniscus
55.8	Corticospinal tract
55.9	Pontine nuclei
55.10	Crossing fibers of the middle cerebellar peduncle
55.11	Spinothalamic/ spinoreticular tracts (protopathic system)
55.12	Motor nucleus of V
55.13	Main (chief) sensory nucleus of V
55.14	CN V
55.15	Mesencephalic nucleus of V (trigeminal)
55.16	Middle cerebellar peduncle
55.17	Superior cerebellar peduncle
55.18	Lateral parabrachial nucleus
Plate 2-56	Brain Stem Cross Section: Pons-Midbrain Junction
56.1	Superior cerebellar peduncle
56.2	Locus coeruleus
56.3	Periaqueductal gray matter
56.4	Aqueduct
56.5	Dorsal raphe nucleus
56.6	Medial longitudinal fasciculus
56.7	Central superior raphe nucleus
56.8	Central tegmental tract
56.9	Middle cerebellar peduncle
56.10	Pontine nuclei
56.11	Corticospinal tract
56.12	Medial lemniscus
56.13	Spinothalamic/spinoreticular tracts (protopathic system)
56.14	Lateral lemniscus
56.15	CN IV (trochlear)
Plate 2-57	Brain Stem Cross Section: Midbrain at the Level of the Inferior Colliculus
57.1	Inferior colliculus
57.2	Reticular formation
57.3	Periaqueductal gray
57.4	Aqueduct
57.5	Nucleus of CN IV (trochlear)
57.6	Dorsal raphe nucleus
57.7	Medial longitudinal fasciculus
57.8	Superior cerebellar peduncle decussation
57.9	Interpeduncular nuclei

57.10	Pontine nuclei
57.11	Substantia nigra
57.12	Medial lemniscus
57.13	Cerebral peduncle
57.14	Spinothalamic/ spinoreticular tracts (protopathic system)
57.15	Lateral lemniscus
57.16	Brachium of the inferior colliculus
Plate 2-58	Brain Stem Cross Section: Midbrain at the Level of the Superior Colliculus and Geniculate Nuclei
58.1	Brachium of the inferior colliculus
58.2	Superior colliculus
58.3	Periaqueductal gray
58.4	Aqueduct
58.5	Nucleus of Edinger-Westphal (III)
58.6	Nucleus of CN III (oculomotor)
58.7	Ventral tegmental area
58.8	CN III
58.9	Medial longitudinal fasciculus
58.10	Red nucleus
58.11	Substantia nigra
58.12	Optic tract
58.13	Cerebral peduncle
58.14	Lateral geniculate nucleus (body)
58.15	Medial geniculate nucleus (body)
58.16	Medial lemniscus
58.17	Spinothalamic/spinoreticular tracts (protopathic system)
Plate 2-59	Brain Stem Cross Section: Midbrain-Diencephalic Junction
59.1	Periaqueductal gray
59.2	Posterior commissure
59.3	Aqueduct
59.4	Nucleus of Darkschewitsch
59.5	Medial longitudinal fasciculus
59.6	Mammillary bodies (nuclei)
59.7	Substantia nigra
59.8	Red nucleus
59.9	Cerebellorubrothalamic tract (fibers)
59.10	Optic tract
59.11	Cerebral peduncle
59.12	Lateral geniculate nucleus (body)
59.13	Medial geniculate nucleus (body)
59.14	Pulvinar
59.15	Pretectum
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60.1	Medial midbrain syndrome (Weber syndrome)
60.2	Paramedian midbrain syndrome (Benedikt syndrome)
60.3	Lateral pontine syndrome (AICA syndrome)
60.4	Medial pontine syndrome (Medial basilar infarct)
60.5	Lateral medullary syndrome (PICA syndrome; Wallenberg syndrome)
60.6	Medial medullary syndrome
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61.1	CN I Olfactory
61.2	CN II Optic
61.3	CN III Oculomotor
61.4	CN IV Trochlear
61.5	CN VI Abducens
61.6	CN V Trigeminal
61.7	Motor component of CN V (Mandibular division)
61.8	CN VII Facial
61.9	Nervus intermedius
61.10	Cochlear division of CN VIII Vestibulocochlear

61.11	Vestibular division of CN VIII Vestibulocochlear
61.12	CN IX Glossopharyngeal
61.13	CN X Vagus
61.14	CN XI Spinal Accessory
61.15	CN XII Hypoglossal
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62.1	Oculomotor nucleus
62.2	Trochlear nucleus
62.3	Motor nucleus of CN V
62.4	Abducens nucleus
62.5	Facial motor nucleus
62.6	Superior and inferior salivatory nuclei
62.7	Nucleus ambiguus
62.8	Dorsal motor nucleus of CN X
62.9	Hypoglossal nucleus
62.10	Nucleus of CN XI (spinal accessory)
62.11	Nucleus solitarius
62.12	Spinal tract and spinal nucleus of CN V
62.13	CN X (vagus)
62.14	Vestibular nuclei
62.15	CN IX (glossopharyngeal)
62.16	CN VIII (vestibulocochlear)
62.17	CN VII (facial)
62.18	Principal (chief, main) sensory nucleus of CN V
62.19	CN V (trigeminal) and ganglion
62.20	Mesencephalic nucleus of CN V
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63.1	Supraorbital nerve
63.2	Lacrimal nerve
63.3	Frontal nerve
63.4	Ophthalmic nerve (CN V1)
63.5	Maxillary nerve (CN V2)
63.6	Mandibular nerve (CN V3)
63.7	Greater petrosal nerve
63.8	Trigeminal (semilunar) ganglion
63.9	Abducens nerve (CN VI)
63.10	Trochlear nerve (CN IV)
63.11	Oculomotor nerve (CN III)
63.12	Optic nerve (CN II)
63.13	Nasociliary nerve
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64.1	Ciliary ganglion
64.2	Superior division of CN III
64.3	Frontal nerve
64.4	Lacrimal nerve
64.5	Nasociliary nerve
64.6	Ophthalmic nerve (CN V1)
64.7	Nucleus of Edinger- Westphal (CN III parasympathetic component)
64.8	Oculomotor nucleus
64.9	Trochlear nucleus
64.10	Abducens nucleus
64.11	Abducens nerve (CN VI)
64.12	Trochlear nerve (CN IV)
64.13	Oculomotor nerve (CN III)
64.14	Pterygopalatine ganglion
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65.1	Trigeminal nerve (CN V) and ganglion
65.2	Ophthalmic nerve (CN V1)
65.3	Lacrimal nerve
65.4	Frontal nerve

65.5	Maxillary nerve (CN V2)
65.6	Superior alveolar branches of infraorbital nerve
65.7	Buccal nerve
65.8	Mental nerve
65.9	Lingual nerve
65.10	Submandibular ganglion
65.11	Mandibular nerve (CN V3)
65.12	Inferior alveolar nerve
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66.1	Pterygopalatine ganglion
66.2	Otic ganglion
66.3	Nerve of the pterygoid canal
66.4	Lesser petrosal nerve
66.5	Deep petrosal nerve
66.6	Greater petrosal nerve
66.7	Geniculate ganglion
66.8	Facial nerve (CN VII)
66.9	Motor root of CN VII
66.10	Nervus intermedius of CN VII
66.11	Motor nucleus of CN VII
66.12	Superior salivatory nucleus
66.13	Nucleus of the solitary tract (nucleus solitarius)
66.14	Chorda tympani
66.15	Submandibular ganglion
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67.1	Vestibulocochlear nerve (CN VIII)
67.2	Cochlear part of CN VIII
67.3	Spiral ganglion
67.4	Geniculate ganglion of CN VII
67.5	Ampulla of superior semicircular duct
67.6	Ampulla of lateral semicircular duct
67.7	Utricle
67.8	Ampulla of posterior semicircular duct
67.9	Sacculle
67.10	Vestibular ganglion (Scarpa's ganglion)
67.11	Vestibular part of CN VIII
67.12	Internal acoustic meatus
67.13	Cochlear nuclei
67.14	Inferior cerebellar peduncle
67.15	Vestibular nuclei
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68.1	Auriculotemporal nerve
68.2	Otic ganglion
68.3	Pterygopalatine ganglion
68.4	Nerve of the pterygoid canal
68.5	Lesser petrosal nerve
68.6	Deep petrosal nerve
68.7	Greater petrosal nerve
68.8	Inferior salivatory nucleus
68.9	Nucleus solitarius
68.10	Spinal tract and descending (spinal) nucleus of CN V
68.11	Glossopharyngeal nerve (CN IX)
68.12	Superior and inferior ganglia of CN IX
68.13	Superior cervical ganglion (sympathetic)
68.14	Vagus nerve (CN X)
68.15	Pharyngeal, tonsillar, and lingual branches of CN IX
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69.1	Auricular branch of CN X
69.2	Glossopharyngeal nerve (CN IX)
69.3	Dorsal motor nucleus of CN X

69.4	Nucleus solitarius
69.5	Spinal (descending) tract and nucleus of CN V
69.6	Nucleus ambiguus
69.7	Vagus nerve (CN X)
69.8	Superior ganglion of CN X
69.9	Inferior ganglion of CN X
69.10	Pharyngeal branch of CN X
69.11	Vagal branch to carotid sinus
69.12	Superior laryngeal nerve
69.13	Left recurrent laryngeal nerve
69.14	Anterior vagal trunk
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70.1	Nucleus ambiguus
70.2	Vagus nerve (CN X)
70.3	Spinal root of CN XI
70.4	Foramen magnum
70.5	Jugular foramen
70.6	Superior (jugular) ganglion of CN X
70.7	Accessory nerve (CN XI)
70.8	Inferior (nodose) ganglion of CN X
70.9	First spinal nerve (C1)
70.10	External branch of CN XI
70.11	Sternocleidomastoid muscle
70.12	Trapezius muscle
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71.1	Hypoglossal nucleus
71.2	Hypoglossal nerve (CN XII)
71.3	Inferior (nodose) ganglion of CN X
71.4	Ventral rami of C1, C2, and C3 forming the cervical plexus
71.5	Superior cervical ganglion (sympathetic)
71.6	Ansa cervicalis (ansa hypoglossi)
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72.1	Intralaminar nuclei (thalamus)
72.2	Reticular nucleus of the thalamus
72.3	Midline nuclei (thalamus)
72.4	Lateral reticular formation of the midbrain
72.5	Periaqueductal gray
72.6	Raphe nuclei (dorsal, central superior)
72.7	Ventral tegmental area
72.8	Locus caeruleus
72.9	Parapontine reticular formation (PPRF)—lateral gaze center
72.10	Raphe nuclei (pontis)
72.11	Pontine reticular formation (pontis caudalis, oralis)
72.12	Lateral reticular formation
72.13	Medullary reticular formation (gigantocellularis)
72.14	Respiratory nuclei
72.15	Rostral ventrolateral medulla (RVLM)
72.16	Raphe nuclei (obscurus, pallidus, magnus)
72.17	Group A1
72.18	Lamina 7—caudal reticular formation (RF)
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73.1	Nucleus basalis (cholinergic)
73.2	Preoptic hypothalamic area
73.3	Interleukins, other blood-borne substances
73.4	Suprachiasmatic nucleus
73.5	Raphe nuclei
73.6	Thalamus
73.7	Lateral dorsal and pedunclopontine tegmental nuclei (cholinergic)
73.8	Parabrachial nuclei
73.9	Locus coeruleus

73.10	Brainstem reticular formation
73.11	Area postrema
73.12	Nucleus tractus solitarius
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74.1	Lateral hemisphere
74.2	Paravermis
74.3	Vermis
74.4	Anterior lobe
74.5	Primary fissure
74.6	Posterior lobe
74.7	Flocculonodular lobe
74.8	Nodule
74.9	Flocculus
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75.1	Emboliform nucleus
75.2	Dentate nucleus
75.3	Middle cerebellar peduncle (MCP)
75.4	Inferior cerebellar peduncle (ICP)
75.5	Superior cerebellar peduncle (SCP)
75.6	Lateral vestibular nucleus
75.7	Genu of the facial nerve (CN VII)
75.8	Nucleus of CN VII (facial)
75.9	Nucleus of CN VI (abducens)
75.10	Fourth ventricle
75.11	Fastigial nucleus
75.12	Globose nucleus
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76.1	Reticular nucleus
76.2	Ventral lateral (VL)
76.3	Ventral anterior (VA)
76.4	Anterior nuclei
76.5	Lateral dorsal (LD)
76.6	Internal medullary lamina
76.7	Medial dorsal (MD)
76.8	Intralaminar nuclei
76.9	Midline (median) nuclei
76.10	Pulvinar
76.11	Medial geniculate nucleus (body)
76.12	Lateral geniculate nucleus (body)
76.13	Centromedian (CM)
76.14	Ventral posteromedial (VPM)
76.15	Lateral posterior (LP)
76.16	Ventral posterolateral (VPL)
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77.1	Thalamus
77.2	Fornix
77.3	Anterior commissure
77.4	Paraventricular nucleus
77.5	Posterior area
77.6	Dorsomedial nucleus
77.7	Supraoptic nucleus
77.8	Ventromedial nucleus
77.9	Arcuate nucleus
77.10	Mammillary nuclei (body)
77.11	Optic chiasm
77.12	Infundibulum (pituitary stalk)
77.13	Lamina terminalis
77.14	Supraopticohypophyseal tract
77.15	Tuberohypophyseal tract
77.16	Adenohypophysis (anterior lobe of pituitary)

77.17	Neurohypophysis (posterior lobe of pituitary)
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78.1	Fornix
78.2	Mammillothalamic tract
78.3	Posterior hypothalamic area
78.4	Periventricular nucleus
78.5	Mammillary nuclei (complex)
78.6	Ventromedial nucleus
78.7	Supraoptic nucleus
78.8	Posterior lobe of the pituitary gland
78.9	Anterior lobe of the pituitary gland
78.10	Medial preoptic nucleus
78.11	Anterior hypothalamic area
78.12	Lateral preoptic nucleus
78.13	Dorsomedial nucleus
78.14	Lateral hypothalamic area
78.15	Paraventricular nucleus
78.16	Dorsal hypothalamic area
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79.1	Temporal lobe
79.2	Pontine tegmentum
79.3	Middle cerebellar peduncle
79.4	Superior cerebellar peduncle
79.5	Basilar artery
79.6	Basis pontis with corticospinal tract
79.7	Medial longitudinal fasciculus
79.8	Fourth ventricle
79.9	Lateral cerebellar hemisphere
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80.1	Amygdala
80.2	Inferior horn of the lateral ventricle
80.3	Hippocampal formation
80.4	Orbitofrontal cortex
80.5	Temporal lobe
80.6	Cerebral peduncle
80.7	Aqueduct
80.8	Superior colliculus
80.9	Cerebellar vermis
80.10	Occipital lobe
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81.1	Temporal lobe
81.2	Hippocampal formation
81.3	Temporal horn of the lateral ventricle
81.4	Occipital lobe
81.5	Orbitofrontal cortex
81.6	Cerebral peduncle
81.7	Lateral geniculate nucleus
81.8	Medial geniculate nucleus
81.9	Superior colliculus
81.10	Cerebellar vermis
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82.1	Anterior limb of the internal capsule
82.2	Globus pallidus (internal and external segments)
82.3	Head of the caudate nucleus
82.4	Anterior commissure
82.5	Third ventricle
82.6	Pulvinar
82.7	Hippocampal formation
82.8	Tail of the caudate nucleus
82.9	Thalamus

82.10	Posterior limb of the internal capsule
82.11	Putamen
82.12	Orbitofrontal cortex
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83.1	Genu of the corpus callosum
83.2	Head of the caudate nucleus
83.3	Anterior horn of the lateral ventricle
83.4	Globus pallidus
83.5	Putamen
83.6	Optic radiations
83.7	Anterior limb of the internal capsule
83.8	Genu of the internal capsule
83.9	Posterior limb of the internal capsule
83.10	Thalamus
83.11	Splenium of the corpus callosum
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84.1	Anterior limb of the internal capsule
84.2	Rostrum of the corpus callosum
84.3	Frontal pole of the lateral ventricle
84.4	Septum pellucidum
84.5	Head of the caudate nucleus
84.6	Anterior thalamic nucleus
84.7	Genu of the internal capsule
84.8	Splenium of the corpus callosum
84.9	Body of the fornix
84.10	Occipital lobe
84.11	Optic radiations
84.12	Temporal pole of the lateral ventricle
84.13	Tail of the caudate nucleus
84.14	Pulvinar
84.15	Posterior limb of the internal capsule
84.16	Insular cortex
84.17	Putamen
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85.1	Frontal lobe
85.2	Body of the caudate nucleus
85.3	Septum pellucidum
85.4	Cingulate cortex
85.5	Frontal pole of the lateral ventricle
85.6	Body of the lateral ventricle
85.7	Parietal lobe
85.8	Splenium of the corpus callosum
85.9	Occipital lobe
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86.1	Temporal pole
86.2	Lateral fissure
86.3	Subcallosal gyrus
86.4	Inferior frontal gyrus
86.5	Middle frontal gyrus
86.6	Superior frontal gyrus
86.7	Cingulate gyrus
86.8	Genu of the corpus callosum
86.9	Frontal pole of the lateral ventricle (asterisk)
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87.1	Cingulate gyrus
87.2	Body of the corpus callosum
87.3	Septum pellucidum
87.4	Clastrum

87.5	Insular cortex
87.6	Lateral fissure
87.7	Temporal lobe
87.8	Amygdala
87.9	Frontal pole of the lateral ventricle
87.10	Head of the caudate nucleus
87.11	Anterior limb of the internal capsule
87.12	Putamen
87.13	Nucleus accumbens
87.14	Optic chiasm
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88.1	Frontal pole of the lateral ventricle
88.2	Body of the corpus callosum
88.3	Columns of the fornix
88.4	Head of the caudate nucleus
88.5	Anterior commissure
88.6	Anterior limb of the internal capsule
88.7	Globus pallidus
88.8	Putamen
88.9	Nucleus basalis
88.10	Amygdala
88.11	Third ventricle (asterisk)
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89.1	Body of the caudate nucleus
89.2	Anterior limb of the internal capsule
89.3	Putamen
89.4	Globus pallidus, external segment
89.5	Amygdala
89.6	Globus pallidus, internal segment
89.7	Optic tract
89.8	Third ventricle (asterisk)
89.9	Columns of the fornix
89.10	Body of the lateral ventricle (asterisk)
89.11	Cingulate cortex
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90.1	Body of the caudate nucleus
90.2	Putamen
90.3	Third ventricle
90.4	Hypothalamus
90.5	Body of the lateral ventricle
90.6	Rostral thalamus
90.7	Posterior limb of the internal capsule
90.8	Amygdala
90.9	Inferior horn of the lateral ventricle
90.10	Hippocampal formation
90.11	Corticospinal tract in the basis pontis
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91.1	Cingulum
91.2	Body of the lateral ventricle
91.3	Columns of the fornix
91.4	Thalamus
91.5	Lateral geniculate nucleus (LGN)
91.6	Medial geniculate nucleus (MGN)
91.7	Superior cerebellar peduncle
91.8	Body of the caudate nucleus
91.9	Stria terminalis
91.10	Third ventricle
91.11	Hippocampal formation
91.12	Middle cerebellar peduncle
91.13	Inferior cerebellar peduncle

Plate 2-92	Coronal Sections through the Forebrain: Geniculate Nuclei
92.1	Columns of the fornix
92.2	Middle cerebellar peduncle
92.3	Lateral cerebellar hemisphere
92.4	Body of the corpus callosum
92.5	Body of the lateral ventricle
92.6	Body of the caudate nucleus
92.7	Pulvinar
92.8	Inferior horn of the lateral ventricle
92.9	Hippocampal formation
92.10	Superior cerebellar peduncle
92.11	Pons
92.12	Medulla
92.13	Cervical spinal cord
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93.1	Motor control of language and speech
93.2	Prefrontal cortex
93.3	Premotor cortex
93.4	Motor-sensory (Ms) cortex (primary)
93.5	Sensory-motor (Sm) cortex (primary)
93.6	Association area of sensory association areas
93.7	Visual cortex (I, primary)
93.8	Wernicke's area
93.9	Auditory cortex (I, primary)
93.10	Cingulate gyrus
93.11	Olfactory cortex (uncus)
93.12	Corpus callosum
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94.1	Corona radiata coalescing into the internal capsule
94.2	Cingulum
94.3	Superior longitudinal fasciculus fibers
94.4	Fornix
94.5	Inferior longitudinal fasciculus fibers
94.6	Internal capsule
94.7	Superior cerebellar peduncle
94.8	Middle cerebellar peduncle
94.9	Pyramidal tract
94.10	Dorsal column system
94.11	Corpus callosum
94.12	Uncinate fasciculus
94.13	Motor fibers in the basis pontis
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95.1	Dorsal noradrenergic bundle
95.2	Ventral noradrenergic bundle
95.3	Temporal lobe
95.4	Locus coeruleus (group A6)
95.5	Noradrenergic cell groups A5 and A7
95.6	Noradrenergic cell groups A1 and A2
95.7	Descending noradrenergic pathway
95.8	Cingulum bundle
95.9	Cerebellum
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96.1	Ascending serotonergic pathway
96.2	Temporal lobe
96.3	Nucleus raphe dorsalis
96.4	Nucleus centralis superior
96.5	Nucleus raphe pontis
96.6	Nucleus raphe magnus
96.7	Nuclei raphe pallidus and obscurus
96.8	Descending serotonergic pathway

96.9	Basal ganglia
96.10	Thalamus
96.11	Cingulum
96.12	Cerebellum
Plate 2-97	Dopaminergic Pathways
97.1	Nucleus accumbens
97.2	Mesolimbic and mesocortical pathway
97.3	Nigrostriatal pathway
97.4	Hypothalamus
97.5	Hypothalamic DA neurons of the tuberoinfundibular system and hypothalamic DA system
97.6	Ventral tegmental area (VTA)
97.7	Temporal lobe
97.8	Substantia nigra (SN), pars compacta
97.9	Noradrenergic locus coeruleus
97.10	Striatum
97.11	Cingulum
Plate 2-98	Central Cholinergic Pathways
98.1	Medial septal nucleus
98.2	Ascending cholinergic pathway
98.3	Nucleus basalis of Meynert
98.4	Hippocampus
98.5	Brain stem tegmental cholinergic group
98.6	Descending cholinergic pathway
98.7	Septal cholinergic projections to hippocampal formation
Plate 2-99	Olfactory Nerves
99.1	Anterior ethmoidal nerve, external branch
99.2	Anterior ethmoidal nerve, internal nasal branch
99.3	Olfactory bulb
99.4	Olfactory nerves
99.5	Cribriform plate of the ethmoid bone
99.6	Olfactory tract
99.7	Pterygopalatine ganglion and branches
99.8	Nerve of the pterygoid canal
99.9	Greater petrosal nerve
99.10	Deep petrosal nerve