

# Index

## A

- adhesion, interthalamic 60–61, 84–87
- antrum, mastoid 18–21, 32–35, 108–109, 238–239
- aorta 230–231
- aqueduct 14–15, 84–87, 140–141  
vestibular 30–31
- arch  
aortic 212–213, 232–233  
vertebral, posterior 174–175, 186–187  
zygomatic 24–25, 40–41, 116–119
- artery  
alveolar, inferior 118–119  
angular gyrus 154–155  
basilar 16–23, 66–75, 84–87, 130–133, 152–157  
anterolateral 82–83  
anterolateral paramedian 28, 110, 149  
anteromedial 82–83  
anteromedial paramedian 28, 110, 149  
border 82–83  
central branch 82–83  
cerebellar posterior inferior 28  
cerebellar superior 28  
circumferential 28  
dorsal 82–83  
dorsal paramedian 28, 149–150  
lateral 83  
lateral paramedian 28, 149–150  
superficial 82–83
- brachiocephalic 210–211
- brain-stem, median 82–83
- callosomarginal 46–51, 152–155  
paracentral 46–47
- carotid  
bifurcation 202–203  
common 160–161, 176–197, 204–209, 212–217, 230–233  
external 130–131, 170–175, 202–203, 216–217, 220–221, 230–231  
internal 16–25, 30–33, 66–79, 90–91, 94–101, 128–129, 152–157, 162–163, 165–171, 173–175, 202–203, 214–215, 230–235  
internal syphon 88–89, 122–133, 216–217, 232–235
- cerebellar  
anterior inferior 22–23, 72–77, 82–83, 150  
anterior superior 110–111  
posterior 132–133  
posterior inferior 82–83, 110–111, 138–145, 150  
*see also* artery, vertebral  
superior 72–73, 82–83, 90–91, 110–111, 132–133, 136–139, 142–145, 150, 152–157
- cerebral  
anteromedial frontal 156–157  
anterior 14–17, 58–65, 86–87, 116–119, 122–125, 128–129, 152–156  
anterior central branch 27, 80–83, 110, 148–149  
anterior postcommunicating 152–157  
anterior precommunicating 152–153, 156–157  
anterior striate 27, 80–83  
anterior terminal branch 26–28, 80–83, 110, 148–150  
Huebner's recurrent 80–81  
insular part 156–157  
middle 16–17, 64–67, 94–95, 98–99, 102–103, 126–129, 152–157  
middle central branch 26, 80–83, 110–111, 148–149  
middle insular part 152–153  
middle opercular part 152–157  
middle sphenoid part 152–153, 156–157  
middle striate 26, 80–83, 111  
middle terminal branch 26, 28, 80–83, 110–111, 148–150

- artery
- cerebellar
    - posterior 16–17, 62–69, 90–91, 94–95, 130–133, 136–137, 140–141, 152–157
    - posterior central branch 26–27, 80–83, 110, 149–150
    - posterior cerebellar 27
    - posterior choroidal 26–28
    - posterior communicating 26–27
    - posterior left 152–153, 156–157
    - posterior occipital branch 152–153
    - posterior right 152–153, 156–157
    - posterior temporal 152–153
    - posterior terminal branch 26–28, 80–83, 110–111, 149–150
  - cervical, deep 240–241
  - choroidal, anterior 80–83, 111, 149, 154–159
  - circumferential 149–150
    - dorsal paramedian 110
    - lateral paramedian 110
    - long 82–83
    - short 82–83
  - communicating
    - anterior 16–17, 152–153, 156–157
    - posterior 16–17, 64–65, 80–83, 90–91, 110, 132–133, 149–150, 154–155
  - facial 164–171, 226–231
  - frontal polar 154–155
  - frontobasal 154–155
  - infraorbital 112–115
  - insular 10–13, 56–63, 100–107, 122–123, 126–127, 134–135, 152–153
  - mandibular 126–127
  - maxillary 118–119, 162–163, 166–169, 226–227, 230–235
  - occipital 138–139
    - medial 154–155
  - occipitotemporal 154–155
  - ophthalmic 68–71, 112–117, 154–157
  - parietal 154–155
    - superior 152–153
  - parieto-occipital 52–53, 58–59, 154–157
  - pericallosal 50–56, 84–87, 116–123, 126–127, 130–131, 134–137, 140–141, 152–155
  - posteromedial, central branch 154–155
  - precuneal 142–143
  - striate 110, 152–153
    - distal medial 80–81, 110, 149
  - subclavian 214–215, 234–235
    - left 212–213, 216–221
    - right 230–231
  - sulcus
    - central 154–155
    - precentral 154–155
  - suprascapular 234–235
  - supratrochlear
    - mediomedial 46–49
    - posteromedial 44–45
  - temporal 156–157
    - anterior 152–153
    - middle 152–153
    - polar 152–153
    - posterior 154–155
  - thyroid
    - inferior 192–193
    - superior 176–177
  - vertebral 24–25, 76–79, 88–89, 92–93, 96–97, 134–143, 162–167, 170–183, 186–197, 202–209, 212–215, 232–239
    - left 234–235
    - see also* artery, cerebellar, posterior inferior
- atlas (C1) 218–219
- arch
    - anterior 84–85, 164–169, 210–211
    - posterior 88–89, 166–167, 238–241
  - lateral mass 92–93, 134–135, 138–139, 142–143, 168–169, 212–213, 234–237
  - ligament 134–135, 166–169
  - process 104–107, 166–167, 214–217, 236–237
  - see also* vertebra, cervical
- axis (C2) 134–135, 234–235
- body 170–173, 236–237
  - dens 84–85, 134–135, 166–169, 210–211, 236–237
  - spinous part 240–241, 244–245
  - see also* vertebra, cervical

- B**
- body
- amygdaloid 16–17, 62–67, 126–129, 132–133
  - geniculate 12–13
    - lateral 60–61, 94–95, 98–99, 136–141
    - medial 60–61, 94–95, 138–141
  - mammillary 62–63, 86–87, 130–133
  - pineal 86–87, 138–141
- bone 92–93
- clivus *see* clivus
  - condyle *see* condyle
  - ear *see* ear
  - ethmoidal 68–69
    - cribriform plate 36–37
    - nasal septum 38–39
  - frontal 2–21, 36–39, 44–67, 88–89, 92–93, 96–97, 100–101, 104–109, 112–119, 122–123, 126–127, 130–131
  - hyoid 96–97, 210–213, 226–227, 230–231
    - body 176–177, 202–203
    - greater horn 176–177, 202–203, 228–229
  - nasal 24–25, 70–73, 78–79, 84–85, 88–89
  - occipital 4–25, 50–79, 84–85, 88–89, 92–93, 96–97, 100–101, 104–109, 140–141, 144–147, 162–165, 244–247
    - basilar 50–78, 130–133, 162–165
  - orbital 48–49
  - palatine 38–39
  - parietal 2–15, 38–41, 44–59, 84–85, 88–89, 100–101, 104–107, 134–135, 138–139, 142–147
  - sphenoidal 20–23, 40–41, 64–73, 76–79
    - body 124–125
    - foramen rotundum of 38–39
    - greater wing 38–39, 102–103, 228–231
    - lesser wing 38–39, 94–95, 118–121, 224–227
    - tip 78–79
  - temporal 12–13, 16–19, 22–25, 58–63, 65–67, 76–77, 118–119, 122–123, 130–131, 144–145, 226–227
    - articular tubercle 40–41
    - mastoid 32–33
    - petrous part 34–35, 68–71, 102–103, 136–137, 234–237
    - squamous part 38–41
    - zygomatic process 126–127
  - zygomatic 22–25, 38–39, 68–79, 108–109, 112–115, 122–123, 220–221, 230–231
    - temporal process 224–229
- bulb, olfactory 20–21, 68–69, 114–115
- C**
- canal
- alveolar 168–169
  - carotid 30–31
  - condylar 164–165
  - facial 30–31, 239
  - hypoglossal 98–99, 238–239
  - incisive 162–163, 210–211
  - mandibular 104–105, 118–119, 220–221
  - optic 38–39
  - pterygoid 38–39
  - semicircular 70–71
    - anterior 34–35
    - lateral 32–35
    - posterior 32–35, 72–75, 106–107
    - superior 134–135
- capsule
- external 12–13, 54–61, 102–103, 122–131
    - see also* white matter
  - extreme 12–13, 54–57, 60–61, 130–131
  - internal 10–13, 94–95, 102–103
    - anterior limb 54–60, 98–99, 118–129
    - genu 54–55, 130–133
    - posterior limb 54–55, 60–61, 98–99, 136–137
- cartilage
- arytenoid 182–187, 228–229
    - body 206–207
    - vocal process 206–207
  - cricoid 182–185, 206–207, 212–213, 224–227
    - arch 190–191
    - lamina 188–189, 208–209

- cartilage  
thyroid 188–189, 206–213, 224–231  
  inferior horn 188–189, 208–209  
  lamina 180–187, 204–205  
  superior horn 204–207
- cavity  
infraglottic 208–209, 222–227  
nasal 36–37, 40–42, 76–77, 114–115, 222–223  
  common meatus 38–39  
  dorsal 226–227  
oral 116–119, 210–211  
  proper 222–223  
orbital 40–42  
trigeminal 232–233  
tympanic 22–23, 34–35, 236–237
- cells  
ethmoidal 22–25, 66–75, 112–117  
  anterior 36–37, 224–225  
  middle 36–37  
  posterior 38–39  
mastoid 20–23, 34–35, 70–79, 134–135, 138–139, 142–143, 162–165
- center  
semioval 4–5  
speech 29, 151
- cerebellum 10–24, 60–77, 84–109, 138–139, 142–146  
caudal lobule 72–73  
hemisphere 16–25, 164–165  
tonsil 74–79, 90–91, 142–143, 162–165  
vermis 10–21, 60–63, 66–77, 142–145  
white matter 4–5, 102–103  
*see also* flocculus; lobe, cerebellar
- cerebrum 92–93  
  epiphysis 58–59
- chiasm, optic 16–17, 64–65, 122–129
- cingulum 8–9, 46–51
- cistern  
ambient 12–15, 60–63, 90–91, 132–133, 136–137, 140–141  
basal 16–17  
cerebellar, superior 58–59  
cerebellomedullary 162–165  
chiasmatic 64–65, 124–125  
cisterna magna 24–25, 144–145, 242–243  
  posterior 162–165  
  insular 10–13, 58–59, 106–107  
    lateral cerebral fossa 98–99, 104–105  
interpeduncular 14–15, 34–35, 64–65, 90–91, 135–137, 162–165  
pontine 18–21  
pontocerebellar 20–21, 72–77, 90–91, 94–95, 98–99, 102–103, 136–137, 140–141  
  prepontine 66–71, 136–137  
  quadrigeminal 12–15, 60–63, 90–91, 142–143  
  suprasellar 128–129  
claustrum 8–13, 54–61, 102–103, 122–127, 132–133, 136–137  
clavicle 214–221, 226–229  
clivus 22–23, 72–73, 76–79, 86–89, 234–237  
cochlea 32–33, 70–77, 134–135  
  basal turn 30–31  
colliculus  
  cranial 138–141  
  inferior 60–65  
commissure  
  anterior 60–61, 86–87, 90–91, 94–95, 98–99, 102–103, 128–129, 132–133  
  laryngeal, anterior 208–209  
  posterior 60–61, 86–87, 140–141  
    *see also* corpus callosum  
complex, olivary, inferior 138–141  
concha, nasal 76–77  
  inferior 36–39, 88–89, 112–117  
  middle 36–39, 88–89, 112–113, 116–117, 120–121, 224–225  
  superior 36–39, 78–79  
condyle, occipital 92–93, 236–237  
conus elasticus 208–209  
cord  
  spinal 138–139, 142–143, 168–197, 210–211, 236–245  
  vocal 186–187  
    false 210–211  
    true 206–207  
cornea 70–73  
corona radiata 8–9, 50–53  
corpus callosum 6–13, 58–59, 88–89, 92–93, 138–139  
  genu 52–57, 84–87, 90–91, 116–117, 120–127

major forceps 96–99  
 rostrum 124–125  
 splenium 52–57, 86–87, 90–91  
 trunk 86–87, 90–91, 94–95, 98–99,  
 118–121, 124–125, 128–137, 140–141  
*see also* commissure  
 corpus striatum 14–15, 94–95  
 cortex, cerebral  
   striate 8–11, 56–63, 144–147  
   subcallosal 62–63  
 cranium 38–39  
 crista galli 36–37  
 cuneus 6–9, 52–59, 84–85, 88–89, 92–93,  
 100–101, 144–147

**D**

diaphragm, sellar 124–125  
 disc  
   articular 76–77, 220–221, 232–235  
   intervertebral 210–211  
     C2/C3 84–85  
 dorsum sellae 16–19, 66–69, 86–87  
 duct  
   nasolacrimal 76–79  
   submandibular 112–115

**E**

ear  
   incus 30–33  
   malleus 30–33  
   middle 30–31  
   stapes 32–33  
 eardrum 22–23  
 epiglottis 174–177, 202–205, 210–211,  
 230–231  
   cartilage 178–179  
   stalk of 204–205  
   vallecula 176–177  
 epiphysis, cerebral 84–85  
 esophagus 184–197, 206–211, 222–223,  
 232–237  
 eyeball 20–25, 66–77, 96–97, 100–101,  
 104–107, 112–113  
   anterior chamber 70–73

**F**

falx cerebelli 74–79  
 falx cerebri 2–17, 44–65, 112–117,  
 134–135, 138–139, 142–147  
   interhemispheric fissure 84–85,  
   118–119, 122–123, 126–127, 130–131  
 fascia, cervical  
   carotid sheath 200–201  
   deep pretracheal 200–201  
   deep prevertebral 200–201  
   intercarotid 200–201  
   pharyngobasilar 130–133, 200–201  
   superficial 200–201  
 fat  
   retro-orbital 20–21  
   retrobulbar 74–75, 112–115  
 fauces, isthmus of 222–223  
 fissure  
   cerebral, longitudinal 4–5, 44–53,  
   114–117, 126–129, 144–147  
   horizontal 96–97, 100–101, 146–147  
   median 138–139  
   orbital  
     inferior 38–39  
     superior 2–3, 20–21, 38–39, 66–67,  
     73, 94–95, 120–121, 226–227  
   petro-occipital 24–25  
   ventral median 76–77  
 flocculus 22–25, 74–75, 138–141  
*see also* cerebellum  
 fold  
   aryepiglottic 178–181, 204–205,  
   228–229  
   glossoepiglottic 202–203  
   pharyngoepiglottic 202–203  
   vestibular 204–205, 224–225  
 foramen  
   infraorbital 36–37  
   interventricular 10–11, 130–133  
     of Monro 10–11, 54–57  
   jugular 98–99, 238–239  
   lacerum 24–25, 76–77  
   Luschka 74–77  
   magnum 210–211, 240–241  
   ovale 24–25, 128–129  
   rotundum 226–227  
   stylomastoid 134–135, 220–221,  
   238–239

- foramen  
 transversarium 168–169
- forceps, occipital 52–55
- fornix 8–11, 52–53, 58–61  
 body 86–87, 132–133  
 column 54–57, 132–133  
 crus 94–95, 98–99, 136–137, 140–141  
 precommissural 128–129
- fossa  
 cerebral, lateral cistern 12–13, 56–57, 106–107  
 cranial  
 anterior 40–42  
 middle 43, 102–103  
 infratemporal 43, 98–99  
 interpeduncular 62–63  
 pterygoid 40–41, 43, 226–227  
 pterygopalatine 24–25, 38–39, 43, 116–117, 120–121, 226–227
- G**
- Galen, vein of 8–9
- ganglion  
 basal 100–101  
 geniculate 34–35  
 trigeminal (V) 70–71, 126–129
- gland  
 lacrimal 22–23, 66–71, 106–107, 112–113, 220–221  
 lymph *see* lymph node  
 parotid 108–109, 126–127, 130–131, 134–135, 162–173, 202–203, 216–217, 220–221, 230–239  
 pineal 10–13  
 pituitary 18–19, 66–67, 70–71, 84–85, 122–129  
 adenohypophysis 68–69, 86–87  
 infundibulum of 86–87  
 neurohypophysis 68–69, 86–87  
 stalk 16–17  
 sublingual 88–89, 212–213  
 submandibular 100–101, 104–109, 114–115, 118–119, 122–123, 172–179, 202–203, 214–221, 226–231  
 thyroid 182–197, 206–215, 228–231
- globus pallidus 10–13, 56–59, 94–95, 128–129, 136–137
- lateral 60–61, 90–91, 98–99, 132–133  
 medial 60–61, 90–91, 98–99, 132–133
- glottis 184–185, 224–225
- grey matter *see* claustrum; thalamus
- gyrus  
 angular 6–7, 46–55, 106–109, 146–147  
 artery of 154–155  
 cingulate 8–15, 46–63, 84–85, 88–89, 114–119, 122–123, 126–127, 130–131, 134–135, 138–139  
 dentate 98–99, 102–103  
 frontal  
 inferior 8–15, 46–61, 92–93, 104–109, 112–119, 122–123, 126–127, 130–131  
 middle 4–15, 44–63, 96–97, 100–108, 112–119, 122–123, 126–127, 130–131  
 superior 2–15, 44–63, 84–85, 88–89, 92–93, 96–97, 100–101, 112–119, 122–123, 126–127, 130–131, 142–143  
 insular 104–107  
 lingual 84–85, 94–95  
 occipital 6–15, 48–61, 64–67, 100–101, 104–107, 146–147  
 medial 92–93  
 occipitotemporal  
 lateral 14–15, 64–65, 126–127, 130–131, 134–147  
 medial 64–65, 88–89, 96–99, 102–105, 142–147  
 orbital 16–19, 64–65, 92–107, 112–121, 124–125  
 parahippocampal 12–19, 66–67, 90–95, 98–99, 102–103, 126–127, 132–141  
 uncus of 58–67  
 postcentral 4–11, 44–45, 48–57, 88–89, 92–93, 96–97, 100–101, 104–109, 134–135, 138–139, 142–145  
 precentral 2–3, 8–11, 44–49, 52–57, 84–85, 88–89, 96–97, 100–101, 104–106, 108–109, 134–135, 138–139, 142–145  
 straight 16–21, 64–67, 84–85, 88–89, 112–121, 124–125  
 subcallosal 120–125

- supramarginal 4–7, 46–53, 108–109,  
138–139, 142–145
- temporal 130–131
- inferior 14–21, 60–65, 68–69, 74–75,  
106–109, 126–127, 134–135,  
138–139, 142–145
- middle 10–19, 56–67, 106–109,  
118–119, 122–123, 126–127,  
130–131, 134–135, 138–139,  
142–145
- superior 8–9, 12–19, 54–57, 60–67,  
106–109, 118–119, 122–123,  
126–127, 130–131, 134–135,  
138–139, 142–143
- transverse 54–55, 104–109, 138–139
- terminal 86–87
- H**
- hiatus, maxillary 36–37, 78–79
- hippocampus 10–13, 16–17, 58–67,  
126–143, 154–155
- subiculum of 98–99, 102–103
- Huebner's recurrent, cerebral artery  
80–81
- hypopharynx 174–187, 202–203
- hypothalamus 12–15, 62–65, 130–133
- I**
- incus
- long limb 30–33
- short limb 32–33
- infundibulum 128–129
- inlet, laryngeal 230–231
- insula 8–11, 14–15, 54–63, 122–123,  
126–127, 130–131
- circular sulcus of 56–57
- isthmus, oropharyngeal 222–223
- J**
- joint
- atlanto-axial 234–237
- atlanto-occipital 236–237
- costotransverse 238–239
- T3 244–245
- T4 246–247
- costovertebral 196–197
- cricothyroid 208–209
- sternoclavicular 226–227
- temporomandibular 22–23, 130–131
- articular disc 30–31
- glenoid roof 30–31
- socket (temporal bone) 232–233
- zygapophysial 176–177, 184–185,  
236–237
- C6/C7 190–191
- L**
- Labbé, inferior anastomotic vein of  
160–161
- labyrinth, ethmoidal 36–37
- lamina terminalis 86–87
- see also* ventricle, third
- larynx 182–183, 186–189, 204–205,  
226–227
- lamina 210–211
- vestibule 206–207
- lemniscus
- lateral 90–91
- medial 151
- lens 70–73, 100–101, 104–105
- ligament
- alar 236–237
- apical, of dens 210–211
- interspinous 192–197, 240–241,  
244–247
- intraspinous 242–243
- ligamentum flavum 174–177, 180–181,  
186–187, 196–197, 210–211, 238–239
- longitudinal
- anterior 210–211
- posterior 210–211
- nuchal 84–85, 144–145, 168–179,  
190–191, 210–211, 244–247
- petroclinoid
- anterior 68–69
- posterior 68–69
- supraspinous 242–243
- transverse 238–239
- atlas 210–211
- vestibular 210–211
- vocal 210–211
- Liliequist's membrane 86–87

lip, upper 168–169

lobe

cerebellar 140–141

anterior 62–69, 86–87, 90–91,  
96–107, 138–143

caudal 72–73

posterior 70–71, 76–79, 86–87,  
96–97, 100–101, 104–109,  
142–147, 162–165

superior 60–61, 92–93

*see also cerebellum*

cerebral, inferior 92–93

frontal 2–23, 44–53, 56–64, 84–108,  
112–123, 126–127, 130–131, 134–139,  
142–145

occipital 6–15, 46–53, 56–63, 66–69,  
84–107, 146–147

paracentral 2–5, 44–45, 138–139,  
142–143

parietal 2–10, 44–53, 56–59, 84–109,  
130–131, 134–139, 142–147

inferior 4–5

superior 44–45

precentral 88–89

temporal 8–23, 56–73, 92–109,  
116–145

lobule *see* lobe

lung 218–219

left 212–217, 220–221, 236–237

right 230–235, 238–245

Luschka, foramen of 74–77

lymph node 198–199, 220–221, 234–235

cervical

anterior 199

deep 198–199

jugular 198–199

nuchal 198–199

paratracheal 199

preauricular 199

prelaryngeal 199

pretracheal 199

retropharyngeal 198–199

submandibular 198

submental 198

superficial 198

supraclavicular 199

suprafacial 199

thyroid 199

## M

malleus

handle 30–33

head 32–33

mandible 96–97, 100–101, 104–105,  
170–177, 210–221, 224–225, 228–229

body 38–39, 112–117

head 22–25, 74–79, 106–109, 126–127,  
130–131, 220–221, 232–235

ramus 38–39, 108–109, 116–119,  
122–123, 162–169, 218–219,  
226–227, 230–231

mastoid 32–33

antrum 32–33

maxilla 92–93, 96–97, 212–213

alveolar process 36–39, 112–117,  
164–167

infra-orbital canal 78–79

palatine process 162–163

meatus

acoustic

external 30–31, 76–77, 108–109,  
218–219, 236–237

internal 32–35, 72–75, 98–99,  
134–137, 238–239

auditory

external 22–25

internal 20–21, 102–103

nasal

inferior 36–39

middle 36–37

medulla oblongata 22–25, 74–79, 84–91,  
136–141, 162–167

membrane

atlanto-occipital

anterior 234–235

posterior 210–211

cricovocal 208–209

tectorial 210–211

thyrohyoid 204–205

tympanic 22–23, 76–77

mesencephalon (midbrain) 12–15, 60–67,  
84–91, 134–141

aqueduct of 62–65, 140–141

tegmentum of 62–65

Monro, foramen 10–11, 54–57

motor system 28–29

## muscle

- acoustic, internal 104–105
- aryepiglottic 228–229
- arytenoid
  - oblique 206–207, 210–211
  - transverse 186–189, 206–207, 210–211
- buccinator 104–107, 116–117, 164–169, 216–219, 224–225
- cricoarytenoid, posterior 184–185, 230–231
- cricothyroid 190–191, 226–227
- depressor anguli oris 112–115, 172–177
- digastric 24–25, 96–97, 100–101, 104–105, 214–217, 228–237
  - anterior belly 176–177, 212–213, 224–225
  - posterior belly 106–109, 134–135, 138–139, 166–171, 174–175, 220–221, 238–239
- elevator, soft palate 98–99
- genioglossus 112–117, 170–175, 210–211, 224–225, 228–229
- geniohyoid 176–177, 202–203, 210–211, 224–227
- hyperglossus 96–97
- hypoglossus 170–175, 224–229
- iliocostalis cervicis 192–197
- infrahyoid 202–209
- intercostal 194–197, 244–247
- interspinalis 210–211, 214–221
- levator
  - anguli oris 162–171
  - labii superioris 78–79, 96–97, 162–163, 214–215
  - palpebrae superioris 72–73, 104–105, 112–115, 224–225
  - scapulae 100–101, 104–107, 170–197, 216–221, 238–247
  - veli palatini 78–79, 96–97, 124–125, 130–133, 162–165, 212–213, 228–233
- longissimus capitis 168–173, 178–179, 184–191, 238–241, 244–245
- longissimus cervicis 170–173, 178–193, 240–241
- longitudinal
  - superior 210–211
  - of tongue 224–227
- longus capitis 10, 78–79, 88–89, 92–93, 96–97, 142–143, 162–189, 212–213, 232–233
- longus colli 170–189, 192–197, 202–215, 232–235
- masseter 24–25, 40–41, 74–79, 108–109, 114–119, 122–123, 126–127, 162–173, 220–221, 224–231
- mentalis 174–175
- multifidus 172–173, 180–197, 212–213, 216–217, 240–241, 244–247
- mylohyoid 96–97, 100–101, 172–177, 202–203, 210–215, 224–227
- oblique
  - inferior 104–105, 112–113, 212–213
  - superior 22–23, 112–115
- obliquus capitis 216–217
  - inferior 92–93, 96–97, 100–101, 104–105, 138–139, 142–143, 166–171, 214–215, 236–241
  - posterior major 218–219
  - posterior minor 218–219
  - superior 106–107, 138–139, 142–143, 166–167, 214–215, 218–221, 238–241, 244–245
- occipitofrontal 68–69
- omohyoid 182–185, 190–191, 204–209, 228–229
- orbicularis oculi 104–105, 112–113
- orbicularis oris 68–69, 74–79, 96–97, 100–101, 162–173, 210–215, 218–219
- palatopharyngeus 170–175, 212–213, 230–231
- pectoralis major 218–221
- pharyngeal constrictor 84–85, 126–127
  - inferior 131–132, 176–189, 202–205, 208–213, 232–233
  - middle 92–93, 96–97, 130–131, 172–175, 230–231
  - superior 130–133, 166–173, 182–183, 212–213
- phrenic 186–187
- pterygoid 78–79
  - lateral 24–25, 40–41, 78–79, 100–101, 104–107, 118–127, 130–131, 162–167, 216–221, 228–233

- muscle
- pterygoid
    - medial 40–41, 96–101, 104–107, 118–127, 162–173, 212–219, 226–233
  - rectus
    - inferior 24–25, 74–75, 92–93, 96–97, 100–101, 112–115, 224–225
    - lateral 20–23, 70–73, 100–101, 104–107, 112–115
    - medial 22–25, 68–73, 92–95, 112–115, 224–225
    - superior 20–23, 66–67, 72–73, 92–93, 96–97, 100–101, 112–115, 224–225
  - rectus capitis
    - anterior 234–235
    - lateralis 104–107, 164–167, 214–215, 218–219, 238–239
    - posterior major 24–25, 92–93, 96–97, 100–101, 104–105, 144–145, 212–215, 240–241, 244–247
    - posterior minor 22–25, 84–85, 92–93, 144–145, 166–167, 212–213, 216–217, 244–247
  - rhomboideus 244–247
    - major 212–221
    - minor 190–197, 212–221
  - scalene (scalenus)
    - anterior 182–197, 214–215, 218–221, 232–235, 238–239
    - medius 218–221, 238–239
    - middle 178–197, 236–237
    - posterior 106–107, 180–197, 214–217, 220–221, 236–237
  - semispinalis
    - capitis 18–25, 78–79, 84–85, 88–89, 96–97, 100–101, 104–109, 144–147, 162–197, 212–221, 242–247
    - cervicis 172–173, 176–197, 212–219, 240–241, 244–247
  - serratus
    - anterior 214–215, 220–221
    - posterior superior 190–197, 212–213, 246–247
  - spinalis
    - capitis 172–173
    - cervicis 174–197, 238–239
  - splenius
    - capitis 22–25, 92–93, 96–97, 105–109, 144–145, 164–181, 184–197, 212–221, 238–241, 244–247
    - cervicis 106–107, 178–197, 212–213, 240–243, 246–247
  - sternocleidomastoideus 2, 108–109, 134–135, 138–139, 142–143, 168–197, 208–209, 214–221, 228–241, 244–245
  - sternohyoideus 178–193, 196–197, 202–203, 208–209, 212–213, 224–227
  - sternothyroideus 188–193, 202–211
  - styloglossus 100–101, 122–123, 126–127, 168–175, 230–231
  - stylohyoideus 170–175, 216–217, 236–237
  - styloideus 106–107
  - stylopharyngeus 104–105, 130–131, 166–169, 232–233, 236–237
  - subclavius 218–221
  - suprahyoideus 202–203
  - supraspinatus 242–243
  - temporalis 2, 18–21, 23–25, 40–41, 64–79, 100–101, 104–109, 114–119, 122–123, 126–127, 130–131, 162–165, 216–221, 226–233, 236–239
  - temporoparietalis 66–73
  - tensor
    - tympani, canal 30–31
    - veli palatini 78–79, 118–125, 162–169, 214–215, 230–231
  - thyroarytenoideus 188–189, 206–207, 228–229
  - thyrohyoideus 178–189, 204–207, 224–227
  - transversus 210–211
    - of tongue 224–229
  - trapezius 24–25, 92–93, 100–101, 168–197, 212–221, 240–245
    - descending 212–213
    - descending (superior) 246–247
    - transversus (middle) 246–247

- muscle  
 vocalis 184–187, 206–209, 224–225  
 zygomaticus 78–79, 108–109, 164–165  
 major 162–163  
 myelencephalon 22–23
- N**
- nasopharynx 40–41, 84–85, 88–89,  
 122–125, 128–129, 162–165, 210–211,  
 222–223, 228–229, 232–233
- nerve  
 alveolar, inferior 104–105, 118–119,  
 220–221, 230–231  
 auricotemporal 78–79  
 cranial  
 abducent (VI) 22–23, 66–69, 72–73,  
 90–91, 116–129, 132–133, 136–137  
 accessory (XI) 78–79, 136–137,  
 140–141, 164–175, 236–237  
 acoustic (VIII) 20–21, 98–99,  
 102–103  
 facial (VII) 20–21, 34–35, 72–73,  
 98–99, 102–103, 134–139,  
 170–171, 220–221, 226–227  
 glossopharyngeal (IX) 22–23, 76–79,  
 136–141, 162–163, 166–169  
 hypoglossal (XII) 78–79, 98–99,  
 112–115, 136–137, 162–173,  
 236–237  
 oculomotor (III) 64–65, 68–71,  
 94–95, 112–113, 116–129, 132–133  
 optic (II) 18–19, 22–23, 66–72,  
 84–87, 92–95, 114–121, 224–227  
 trigeminal (V) 18–21, 28–29, 68–69,  
 74–77, 90–91, 132–133, 136–137,  
 150–151  
 trochlear (IV) 18–19, 94–95, 116–119,  
 122–129, 132–133, 136–137,  
 140–141, 226–227  
 vagus (X) 22–23, 76–79, 136–137,  
 140–141, 162–177, 180–197,  
 232–233, 236–237  
 vestibulocochlear (VIII) (auditory)  
 20–21, 72–73, 98–99, 102–103,  
 134–139  
 frontal 120–121, 226–227  
 infraorbital 112–115  
 intermediate 72–73  
 lacrimal 120–121  
 laryngeal, superior 174–175  
 lingual 112–115, 118–119, 232–233  
 mandibular 24–25, 72–73, 78–79,  
 126–131, 162–163, 214–215  
 maxillary 72–73, 116–121, 124–125,  
 226–227  
 nasociliary 114–115, 120–121  
 ophthalmic 116–125  
 phrenic 182–185, 188–189, 192–197  
 root *see* root, nerve  
 spinal  
 C2 176–177  
 C3 176–179  
 C4 178–191  
 C5 180–195  
 C6 184–185, 188–195  
 C7 192–195  
 splenius capitis 182–183  
 supraorbital 112–115  
 thoracic (T1) 238–239
- nose, base of 40–42
- notch  
 ethmoidal 36–37  
 interarytenoid 230–231  
 superior thyroid 204–205  
 supraorbital 36–37
- nucleus  
 accumbens 124–125  
 amygdaloid 98–99, 102–103  
 basal 92–93, 96–97  
 lentiform 130–131, 134–135  
 caudate 8–13, 130–131, 138–139  
 body 92–93, 96–99, 130–133,  
 136–137, 140–141  
 head 52–61, 88–91, 94–95, 118–129  
 tail 54–57, 102–105, 136–137,  
 140–141  
 dentate 16–19, 70–73, 90–91, 94–95,  
 142–145  
 mesencephalic 29, 151  
 oculomotor 29, 151  
 red 62–63, 90–91, 134–137  
 subthalamic 136–137

## O

- operculum
  - frontal 104–105, 118–119, 130–131
  - parietal 134–135
  - temporal 8–9
- orbit 112–115
  - infundibulum 38–39
  - roof 18–19, 36–37, 92–93, 96–97, 100–101, 104–105, 112–115
- oropharynx 84–85, 88–89, 92–93, 122–123, 168–175, 210–211, 228–233
  - isthmus of fauces 40–41

## P

- palate
  - hard 36–37, 84–85, 88–89, 112–115, 164–167, 210–211, 224–225
  - soft 38–41, 116–119, 162–167, 210–211, 226–231
- see also* uvula
- pathway, oculomotor 29, 151
- peduncle
  - cerebellar 16–19, 90–91
    - inferior 20–21
    - middle 20–21, 68–73, 94–95, 136–141
    - superior 66–67
  - cerebral 14–15, 62–65, 88–89, 92–93
    - middle 92–93
- pharynx 126–127, 166–167, 212–213
  - laryngeal part 222–223
- plane, sphenoid 120–121
- plate
  - cribriform 36–37
  - orbital 36–37, 112–115
  - quadrigeminal 12–13, 84–85
    - anterior colliculus 90–91
    - posterior colliculus 86–87
    - superior colliculus 86–87, 90–91
  - tectal
    - anterior colliculus 90–91
    - posterior colliculus 86–87
    - superior colliculus 86–87, 90–91
- platysma 106–109, 174–197, 204–205, 212–221, 224–229
- plexus
  - brachial 216–221, 240–241
  - cervical
    - C5 196–197
    - C6 196–197
    - C7 196–197
    - C8 196–197
  - choroid 6–7, 52–59, 86–87, 94–95, 102–103, 142–143
  - venous
    - pharyngeal 168–169
    - suboccipital 238–239
- pole
  - frontal 84–85
  - occipital 10–11, 60–63
  - temporal 72–73, 98–101, 104–107, 120–121
- pons 16–23, 66–75, 84–95, 134–141
- precuneus 2–7, 44–55, 88–89, 92–93, 100–101, 104–105, 142–147
- process
  - articular 212–213
    - C2 238–239
    - C3 238–239
    - C4–C6 236–237
- clinoid
  - anterior 40–41, 120–121
  - posterior 128–129
- coronoid 108–109
- costal 234–235, 240–241, 246–247
- mastoid 20–25, 30–31, 108–109, 134–135, 138–139, 142–143, 164–165, 238–243
- pterygoid 38–39, 120–121
  - lateral plate 40–41, 78–79, 100–101, 118–121, 226–229
  - medial plate 40–41, 78–79, 118–121, 226–229
- spinous 174–175, 210–211, 244–247
  - C2 240–241
  - C7 240–243
  - T3 246–247
- styloid 106–107, 134–135, 216–217, 220–221, 234–237
- transverse 168–169, 214–215
  - C7 238–239
  - T2 242–243
  - T4 242–243

uncinate 36–37  
 zygomatic 36–37, 232–233  
 prominence, laryngeal 206–207  
 protuberance, occipital  
   external 84–85  
   internal 66–67, 70–71  
 putamen 10–13, 54–61, 94–95, 98–99,  
 102–103, 118–129, 132–133, 136–137  
 pyramid, petrous 98–99

**R**

radiation, optic 62–63, 142–145  
 raphe, pharyngeal 130–133  
 recess  
   epitympanic 32–33  
   infundibular 64–65  
   pharyngeal 78–79  
   piriform 176–177, 182–183, 204–207,  
   228–229  
   supraoptic 128–129  
   suprapineal 140–141  
 rib  
   first 192–197, 214–215, 218–219,  
   236–241  
   second 236–237, 242–245  
     head 238–239  
   third 246–247  
   fourth 220–221  
 rima glottidis 206–207  
 roof, orbital 64–65  
 root  
   nerve 88–89  
   anterior 182–183  
     plexus 100–101, 232–233  
     posterior 182–183  
   spinal 92–93, 214–215, 238–239  
     C3 96–97, 212–213, 234–235  
     C3–C6 236–237  
     C4 174–177, 234–235  
     C5 16–17, 234–235  
     C6 180–183, 186–187, 234–235  
     C7 188–191, 234–235  
     C8 188–189, 192–195, 234–237  
     T1 196–197, 212–213

**S**

sella turcica 40–41  
   floor 124–125, 128–129  
 septum 70–71  
   lingual 210–211, 224–227  
   nasal 24–25, 36–37, 72–79, 112–119,  
   224–227  
     perpendicular plate 38–39  
 pellucidum 84–85, 120–121, 124–129,  
 132–133  
   cave of 54–59  
 precommissural 12–13  
 verum 12–13  
 sinus  
   cavernous 20–21, 68–71, 122–125,  
   128–129, 158–161  
   confluence 16–17, 66–67, 84–85,  
   88–89, 158–161  
     falcotentorial 160–161  
   ethmoidal 84–85, 88–89  
   frontal 10–21, 28–29, 36–37, 62–67,  
   84–85, 88–89  
     superior 134–135, 138–139  
   intercavernous, inferior 124–125,  
   128–129  
   maxillary 36–42, 74–79, 92–93, 96–97,  
   100–101, 104–107, 112–117, 162–163,  
   214–219, 224–225  
     medial wall 78–79  
   nasal 74–75, 112–113, 116–121  
   occipital 18–23, 68–69, 78–79, 146–147  
   petrosal 160–161  
   sagittal  
     inferior 52–53  
     superior 4–15, 44–65, 88–89,  
     112–119, 122–123, 126–127,  
     130–131, 134–135, 138–139,  
     142–147, 158–161  
   sigmoid 16–25, 30–31, 34–35, 68–73,  
   76–79, 104–105, 138–139, 158–163,  
   218–219  
   sphenoidal 20–25, 38–41, 66–67,  
   70–75, 84–93, 118–129, 226–233  
   sphenoparietal 158–159  
   straight 9, 11, 13, 15, 57, 59, 61, 63, 65,  
   85, 87, 145, 147, 161

- sinus  
 transverse 16–17, 68–69, 74–75, 92–93,  
 96–97, 100–101, 104–109, 142–147,  
 158–161  
 tympani 32–33
- space  
 buccal 42–43  
 cervical  
 carotid 200–201  
 masticatory 43, 200–201  
 parapharyngeal 200–201  
 parotid 200–201  
 perivertebral paraspinal 200–201  
 perivertebral prevertebral 200–201  
 prevertebral 200–201  
 retropharyngeal 200–201  
 superficial mucosal 200–201  
 visceral 200–201
- intervertebral  
 C3/C4 176–177  
 C5 186–187  
 C6 186–187  
 C6/C7 190–191  
 C7/T1 194–195
- masticatory 42–43  
 peripharyngeal 228–229  
 pharyngeal 206–209  
 pre-epiglottic 202–205  
 suprasternal 226–227
- stapes 32–33
- substantia nigra 64–65, 90–91, 136–137
- sulcus 84–85  
 basal 16–17  
 calcarine 62–63, 88–89, 92–93,  
 144–147  
 central 2–5, 8–11, 44–45, 48–57, 88–89,  
 92–93, 96–97, 100–101, 104–109,  
 134–135, 138–139, 142–143  
 artery 154–155  
 fissure of Rolando 46–47  
 cingulate 6–7, 46–47, 52–55, 118–119  
 circular 62–63  
 collateral 102–103, 140–141  
 frontal  
 inferior 104–109  
 superior 44–45  
 lateral 8–11, 14–15, 52–63, 108–109,  
 122–123, 126–127, 130–131,  
 134–135, 142–143  
 olfactory 64–65, 120–121  
 parieto-occipital 4–11, 14–15, 46–57,  
 84–85, 96–99, 144–147  
 postcentral 6–7, 46–51, 88–89, 92–93,  
 106–109  
 precentral 2–5, 44–47, 50–51, 154–155
- suture  
 coronal 2–7, 44–59, 84–85, 88–89,  
 92–93, 96–97, 100–101, 104–109  
 frontozygomatic 36–37  
 lambdoid 49–73, 84–85, 88–89, 92–93,  
 96–97, 100–101, 104–109  
 sagittal 2–3, 44–47, 144–147  
 sphenosquamous 38–41  
 squamous 38–41
- syphon, carotid 214–215
- system  
 motor 29, 151  
 sensory 29, 151
- T**
- tentorium cerebelli 12–19, 58–67,  
 88–109, 136–147
- thalamus 8–13, 54–61, 88–89, 92–93,  
 96–97, 134–135, 138–139
- complex  
 lateral posterior 90–91, 94–95  
 lateral ventral 90–91, 94–95,  
 136–137
- nucleus  
 anterior ventral 132–133  
 lateral dorsal 136–137  
 medial 136–137  
 pulvinar 90–91, 94–95, 98–99, 140–141
- tissue, fatty  
 retro-orbital 68–73  
 suboccipital 210–211, 246–247
- tongue 84–85, 88–89, 92–93, 112–119,  
 168–171, 210–213  
 muscle 224–229  
 root 174–175
- tonsil  
 cerebellar 24–25  
 palatine 170–171, 210–213, 230–231  
 pharyngeal 40–41, 230–231
- tooth  
 canine 168–169  
 incisor 168–169

- molar 168–169  
 premolar 168–169  
 torus  
   levatorius 162–163  
   tubaris 230–231  
 trachea 190–197, 210–211, 222–225,  
 228–235  
 tract  
   corticospinal 136–137  
   lemniscal medial 29  
   olfactory 116–125  
   optic 14–15, 29, 62–63, 90–91, 98–99,  
   132–133, 136–137, 151  
   spinothalamic 29, 151  
 Troland, superior anastomotic vein of  
 158–159  
 trunk, brachiocephalic 230–233  
 tube, auditory 24–25, 30–31, 76–79,  
 98–99, 128–129, 214–217, 232–233  
   cartilage 228–231  
   pharyngeal opening 230–231  
   pharyngotympanic 30–31, 76–79,  
   98–99, 124–133, 162–163, 214–217,  
   228–233  
   torus levatorius 162–163  
 tubercle, articular 220–221
- U**
- uvula 84–85, 88–89, 123, 168–171,  
 230–231  
   vermis 70–73, 144–145  
   *see also* palate, soft
- V**
- vallecule, epiglottic 176–177, 202–203,  
 210–213, 228–231  
 vein  
   alveolar, inferior, mandibular canal  
   118–119  
   anastomotic  
   inferior (Labbé) 160–161  
   superior (Troland) 158–159  
   basal 60–61, 86–87, 136–137, 140–143,  
   158–161  
   brachiocephalic 212–215  
   cerebellar 86–87  
   inferior 158–161  
   precentral 160–161  
   superior 158–161  
 cerebral  
   great 8–9, 54–59, 86–87, 90–91,  
   160–161  
   internal 10–11, 54–59, 86–87,  
   136–143, 160–161  
   middle 158–159  
   posterior 160–161  
   superior 48–51, 158–161  
 cervical 218–219  
   deep 168–179, 216–217, 240–245  
 emissary 164–165  
 facial 214–217  
   common 218–219  
 frontal 158–161  
 infraorbital 112–115  
 jugular 24–25  
   anterior 180–197, 202–209, 226–229  
   external 174–197, 216–217, 232–235  
   internal 30–33, 76–79, 98–99,  
   104–107, 134–137, 158–165,  
   170–183, 186–197, 202–209,  
   214–219, 230–237  
 mandibular 126–127  
 maxillary 166–167  
 occipital, internal 160–161  
 ophthalmic 20–21, 66–67  
   superior 68–69, 112–117, 226–227  
 parietal 158–161  
 retromandibular 108–109, 162–173,  
 176–177, 234–235  
 subclavian 230–233  
   left 214–217  
   thyroid, inferior 194–195, 228–229  
   vertebral 136–139, 142–143, 232–233  
 ventricle 12–13  
   fourth 16–21, 66–79, 84–87, 90–91,  
   142–143  
   laryngeal 210–211, 222–227  
   lateral 90–91, 94–95, 134–139  
   anterior horn 8–13  
   aperture 74–79, 90–91  
   central part 50–51, 88–89, 98–99,  
   102–103  
   choroid plexus 6–7  
   collateral trigone 142–143

- ventricle  
lateral  
  frontal horn 52–59, 92–95, 116–133  
  occipital horn 96–97, 100–101, 104–105, 144–147  
  temporal horn 14–19, 60–67, 94–95, 98–99, 102–105, 126–141  
of Morgagni 210–211  
third 10–11, 14–15, 54–63, 84–87, 130–137  
  *see also* lamina terminalis
- vermis 162–163  
uvula of 70–73, 144–145
- vertebra  
cervical  
  C1 *see* atlas (C1)  
  C2 *see* axis (C2)  
  C3 142–143, 202–203  
    body 174–175  
    posterior arch 176–177  
    spinous process 172–173  
  C4, body 178–179, 204–207  
  C5 184–185  
    body 180–183, 206–207  
    inferior articular process 180–183  
    transverse process 180–181  
  C6 188–189, 210–211  
    arch of 238–239  
    body of 208–209  
    posterior arch 180–183  
    spinous process 182–183  
  C7 192–193  
    articular process 188–189  
    posterior arch 188–189  
    spinous process of 188–191, 210–211  
    transverse process 192–193  
thoracic  
  T1 194–197  
  T2 242–243  
  T3 244–245  
  T4 242–243
- vestibule 32–35, 74–75, 238–239  
  laryngeal 178–181, 222–223, 228–229  
  nasal 222–223
- vomer 36–37, 78–79, 120–121, 210–211, 228–229
- W**
- white matter  
  central 134–135  
  cerebellum 4–5, 102–103  
  cerebral 44–49, 100–101, 130–131  
  *see also* capsule, external
- window  
  oval 32–33  
  round 30–31
- Z**
- zone, temporal 30–33