

I N D E X

A

Abdomen
in cat, 115–117
in human, 74–76, 148
major veins of, 159
in rat, 130

Abdominal aorta
in cat, 118–121
in fetal pig, 128–129
in rat, 133–134

Abdominal vena cava
in cat, 118–120
in fetal pig, 128–129
in rat, 133–134

Abdominopelvic cavity
in cat, 120–121
in fetal pig, 128–129
in rat, 132–134

Abducens nerve, 141, 154

Abductor digiti minimi, 86

Abductor hallucis, 88

Abductor pollicis longus, 147

Accessory hemiazygos vein, 159

Acetabular notch, 61–62

Acetabulum, 61–62, 93

Achilles tendon, 64
in cat, 104–106
in fetal pig, 124

Acromiodeltoid
in cat, 100–102
in fetal pig, 122–123, 125

Acromion, 59, 60

Acromiotrapezius, 94, 100–102

ACTH (Adrenocorticotropic hormone), 161

Active transport, 138

Adductor brevis, 152

Adductor femoris, 105–106

Adductor longus, 66, 82, 106, 152

Adductor magnus, 67, 82, 84, 152

Adenohypophysis, 23, 161

Adipose tissue, 9

Adrenal cortex, 24

Adrenal gland
in cat, 118–119, 121
in fetal pig, 129
in rat, 133–134

Adrenocorticotropic hormone (ACTH), 161

Adrenolumbar artery and vein, 121

Adventitia, 28–29, 32, 38

Agranulocyte, 156

Allantoic artery, 119

Alveolar process, 53

Alveoli, 31–32

Anal sphincter, 77

Anaphase, 3

Anatomic neck, defined, 139

Anconeus, 100–101, 146

Android pelvis, *versus* gynecoid, 141

Animal dissection, 90–134
cat, 90–121
fetal pig, 122–129
rat, 130–134

Antebrachial fascia, 98, 100

Anterior arch of atlas, 57

Anterior cruciate ligament, 62

Anterior lacrimal crest, 53

Anterior medial malleolar artery, 88

Anterior nasal spine, 46–47, 53

Anterior pituitary (adenohypophysis), 23, 161

Antidiuretic hormone (ADH), 161

Antrum, 42

Anus, 77

Aorta, 8, 114, 127. *See also* Abdominal aorta

Aortic arch, 112–113, 158

Aponeurosis
epicranial, 68
external oblique, 74
of internal oblique, 76

Appendicular skeleton, 140

Appendix, 36

Arcuate artery, 88

Areolar connective tissue, 8

Arm
bones of, 140
musculature of, 78–81, 145–146
veins of, 158

Artery. *See also Specific arteries*
histology, 27–29
major and main branches of, 158

Arteriosclerosis, 28

Ascending aorta, 158

Asters, 2–3

Astrocyte, 18

Atlas, 55–57, 91–92

Atrial systole, 157

Auditory nerve, 154

Auricle
in cat, 112, 114
in fetal pig, 126–127

Axial skeleton, 140

Axillary artery, 108–109, 112, 127, 158

Axillary nerve, 96, 99, 114, 145

Axillary vein, 108–109, 111, 114, 158

Axis, skeletal, 55–57

Axon, 18, 20

Azygos vein, 114, 127, 159

B

Back musculature
in cat, 101–103
in human, 71–72

Barr body, 24

Basal body, 136

Basement membrane, 4–7, 29, 39

Basilic vein, 158

Basophil, 25, 156

Basophilic myelocyte, 15

Biceps brachii
in cat, 109, 112
in human, 66, 79–80, 99, 146

Biceps femoris
in cat, 104–106
in fetal pig, 122, 124
in human, 67, 83–84, 86–87, 152

Bifid spinous process, 56–57

Bile duct, 35

Bipolar cell nuclei, 20

Bladder, 7, 39

Blood
bladder, 39
components of, 24–27, 156
histology, 24–27

Blood vessel. *See also Artery; Vein*
alveolar, 32
gallbladder, 36
large intestine, 34
listing of major, 158
lumen, 7
small intestine, 33
spleen, 31

Bone. *See also Specific bones*
cancellous (spongy), 14
compact, 14
descriptive terms for, 139
developing, 15
typical structure of long, 64

Bone marrow, 15

Bowman's capsule, 37, 38

Brachial artery, 112, 158

Brachialis, 67, 79–80, 100, 146

Brachial plexus, 109, 114, 155

Brachial vein, 111, 114, 158

Brachiocephalic artery, 112–113, 127

Brachiocephalic vein, 111, 114, 160

Brachioradialis
in cat, 98–101
in fetal pig, 123
in human, 66–67, 80–81, 146

Bregma, 48, 92

Bronchiole, 32

Brush border, 34

Buccinator, 68, 94–95, 142

Bulbospongiosus, 77, 149

Bulbourethral (Cowper's) gland, 119

Bulk flow, 138

C

Calcaneal tendon, 67, 86–87, 104

Calcaneus, 64, 87, 90, 93, 104

Calvarium, 48

Camper's fascia, 76

Canaliculus, 14

Cancellous bone, 14, 64

Canine eminence, 53

Canine fossa, 53

Capillary, 29

Capitate carpal, 61

Capitulum, 60

Capsule, parathyroid gland, 22

Cardiac cycle, 157

Cardiac muscle, 17, 65

Carotid artery
in cat, 97, 111–114
in fetal pig, 126–127
in human, 158
in rat, 131

Carotid canal, 48, 49

Carotid groove, 49

Carpals
in cat, 90, 92
in human, 61, 140

Cartilage, 10–11, 15

Cat
astrocytes, 18
musculature, 94–109
skeletal system, 90–93

Caudal artery, 118, 120, 129

Caudal vein, 120

Caudal vertebrae (cat), 90, 92–93

Caudofemoralis, 104, 105

Cavernous vein, 159

Celiac artery, 120–121

Celiac ganglion, 121

Cell
chief, 33
component structure and function, 137
generalized illustration of, 136
goblet, 5, 33–34
granulosa, 42
hair, 21
interstitial, 39
keratinized, 7
mitotic, 2–3
parietal, 33
Purkinje, 18
Sertoli, 39
umbrella, 7, 39

Cell body, nerve, 18, 19

Cell membrane, 136
structure and function of, 137
transport processes, 138

Central canal, 20

Central vein, 35

Centriole, 136

Centrosome, 137

Cephalic vein, 158
in cat, 98, 100–101, 111
in fetal pig, 126

Cerebellar fossa, 52

Cerebellum, 18

Cerebral fossa, 52

Cervical nerves, 96, 144, 150

Cervical plexus, 155

Cervical vertebrae
in cat, 90–92
in human, 55–56, 140

Chest musculature, 74, 148

164 INDEX

- Chewing musculature, 142
Chief cell, 33
Chondrocyte, 10–11
Chromatin, 2, 136
Chromosome, 2–3
Cilia, 5–6, 136–137
Ciliated columnar epithelium, 5–6, 40
Circle of Willis, 158
Circulatory system, 158–160
Clavicle, 59, 69, 79, 140
Clavicular notch, 58, 59
Clavobrachialis
 in cat, 94–95, 98–102, 107, 115
 in fetal pig, 122–123, 125
Clavotrapezius
 in cat, 94–95, 101–102
 in fetal pig, 122–123, 125
Cleavage furrow, 3
Cleft, pituitary gland, 23
Cleidomastoid, 94–96
Clitoris, 77
Coccygeus, 77, 149
Coccyx, 77, 140–141
Colic artery, 129
Collagen fiber, 8–10
Columnar epithelium, 5–6, 40–41
Common carotid artery, 111–113, 126–127, 131, 158
Common iliac artery, 133, 158, 160
Common iliac vein, 120, 159
Compact bone, 14, 45, 64
Condylar canal, 49, 52
Condylar fossa, 49, 52
Condyle, 139
Condyloid process, 53
Cones, 20
Connective tissue, 8–9
Conoid tubercle, 59
Constrictors, pharyngeal, 70, 144
Convolutated tubules, 38
Coracobrachialis
 in cat, 109
 in human, 79, 145
Coracoid process, 59, 60
Core, nerve, 20
Cornified layer, skin, 12
Cornu, 139
Coronal suture
 in cat, 91–92
 in human, 47–48
Corona radiata, 41–42
Coronary vein, 159
Coronoid fossa, 60
Coronoid process, 53, 60
Corpora cavernosa, 41
Corpuscles
 Hassall's, 30
 Meissner's, 12
 Pacinian, 13
 renal, 37
Corpus spongiosum, 39, 41
Corrugator supercillii, 142
Corti, Organ of, 21
Costoclavicular ligament, 59
Costal artery, 127
Costal cartilage, 58, 59
Costal facet, 56
Costal groove, 58
Costal vein, 127
Cranial nerve, 154
Cranium, 48, 90, 140. *See also*
 Head; Skull
Cremasteric fascia, 132
Crest, 139
 ethmoidal, 52, 53
 frontal, 49
 intertrochanteric, 62
 lacrimal, 53
 nasal, 53
 occipital, 49, 52
Cribriform plate, 48, 54
Cricothyroid, 69
Crista, 139
Crista galli, 48, 54
Crus of diaphragm, 121, 131, 133, 134
Cuboidal epithelium, 1, 4–5, 38
Cuboid tarsal, 64
Cuneiform, 64
Cytoplasm, 41
- D**
Deep femoral artery, 120–121
Deep femoral vein, 120–121
Deep fibular nerve, 88
Deep peroneal nerve, 88, 153
Deltoid, 59, 66–67, 71, 74, 78–79, 145
Deltoid tuberosity, 60
Dendrite, 18
Dense irregular connective tissue, 9
Dense regular connective tissue, 9
Dermis, 12
Descending aorta, 158
Developing bone, 15
Dialysis, 138
Diaphragm, 148
 in cat, 110, 112–114
 in fetal pig, 126–129
 in rat, 131, 133
Diaphysis, 139
Diastole, late, 157
Diffusion, 138
Digastric
 in cat, 94–96
 in human, 69, 143
Digital arteries, 88
Digits, bones of, 61, 64
Disks, intervertebral, 55
Dorsal horn, spinal cord, 20
Dorsalis pedis artery, 88
Dorsal ramus
 of lumbar nerve, 150
 of spinal nerve, 103
 of thoracic nerve, 109, 127, 150
Dorsal root ganglion, 19
Dorsal venous arch, 159
Ductus arteriosus, 127, 160
Ductus deferens, 40
Ductus venosus, 127–129, 160
- E**
Ear, 140
Elastic artery, wall of, 8
Elastic cartilage, 11
Elastic tissue, 8
Elastin fiber, 8, 11
Endoplasmic reticulum, 136, 137
Endorphin, 161
Endothelium, 29
Eosinophil, 25, 156
Eosinophilic myelocyte, 15
Epicondyle, 92
 defined, 139
 femoral, 62
 humeral, 60
Epicranial aponeurosis, 68
Epicranium, 68, 142
Epidermis, 12
Epididymis, 40
 in cat, 119
 in fetal pig, 128
 in rat, 132
Epigastric artery, 130
Epiglottis, 70, 97, 114
Epiphyseal plate, 15
Epiphysis, 139
Epithelium, 1, 4–7, 22, 32, 36, 38–41, 43
Epitrochlearis, 98, 107, 115
Erector spinae, 150
Erythroblast, 15
Erythrocyte, 27, 156
Esophagus, 32, 70
 in cat, 97, 112–114
 in fetal pig, 127
Ethmoid bone, 46, 48–50, 52–54, 140
Eustachian tube, 114
Exocrine cells, pancreatic, 23
Exocytosis, 138
Extensor carpi digitorum
 lateralis, 100
Extensor carpi radialis, 98–99, 101, 123
Extensor carpi radialis brevis, 81, 100, 147
Extensor carpi radialis longus, 80–81, 100, 147
Extensor carpi ulnaris
 in cat, 99, 100–101
 in fetal pig, 123
 in human, 81, 147
Extensor digiti minimi, 101
Extensor digitorum, 81, 147
Extensor digitorum brevis, 88
Extensor digitorum communis, 100–101, 123
Extensor digitorum lateralis, 101, 123
Extensor digitorum longus
 in cat, 104–105
 in human, 66, 85–86, 153
Extensor digitorum tendons, 101
Extensor expansion, 88
Extensor hallucis brevis, 88
Extensor hallucis longus, 85, 88, 153
Extensor indicis, 101, 147
Extensor indicis proprius, 101
Extensor pollicis brevis, 100–101, 147
Extensor pollicis longus, 147
Extensor retinacula
 in cat, 100–101, 105
 in human, 81, 85–86
External auditory meatus, 47, 51, 91
External iliac artery, 118, 120–121, 129, 158
External iliac vein, 118, 120, 121, 159
External inguinal ring, 119
External intercostal, 74, 103, 148
External jugular vein, 160
 in cat, 94–95, 108–109, 111, 114
 in fetal pig, 123, 125–126
External oblique
 in cat, 103, 106–107, 115
 in fetal pig, 122, 124
 in human, 66–67, 74–76, 148
 in rat, 130
External occipital crest, 49
External occipital protuberance, 49, 91
Eye, 73, 141
- F**
Face
 bones of, 46, 140
 musculature of, 68, 142
Facet, defined, 139
Facial nerve, 94–96, 142, 154
Facial vein, 94–95
Facilitated diffusion, 138
False ribs, 58, 140
Fascia
 in cat, 98, 100–106
 in fetal pig, 122, 124
 in human, 66, 82–84
 in rat, 132
Femoral artery, 106, 118–121, 158
Femoral nerve, 106, 118–119, 121, 152
Femoral triangle, 118–119
Femoral vein, 106, 118–121, 159
Femur
 in cat, 90–93
 in human, 62, 140
Fetal circulatory system, 160
Fetal pig, 122–129
Fibers, nerve, 19
Fibroblast, 8–9
Fibrocartilage, 10
Fibrocollagenous bundle, 41
Fibula
 in cat, 90, 93
 in human, 63, 140
Filtration, 138
First dorsal interosseous, 88
Fissure, defined, 139
Flagella, 136, 137

- Flexor carpi radialis, 80,
98–99, 147
- Flexor carpi ulnaris, 80–81,
98–100, 147
- Flexor digitorum longus, 87,
106, 153
- Flexor digitorum profundus,
99, 147
- Flexor digitorum superficialis,
80, 147
- Flexor hallucis longus, 63–64,
104–106, 124, 153
- Flexor pollicis longus, 147
- Flexor retinaculum, 87, 98–99
- Floating ribs, 58
- Foliate papillae, 97
- Follicle stimulating hormone
(FSH), 161
- Fontanel, defined, 139
- Foot
arteries of, 88
bones of, 64
musculature of, 88
- Foramen lacerum, 48–49
- Foramen magnum, 47–49, 52
- Foramen ovale, 48–50
- Foramen rotundum, 48–50
- Foramen spinosum, 48–50
- Foramina
defined, 139
pelvic bones, 61, 62
skull, 46–50
spinal, 55–57
- Fossa
canine, 53
cerebellar, 52
cerebral, 52
condylar, 49, 52
coronoid, 60
defined, 139
glenoid, 59
humeral, 60
iliac, 61
incisive, 53
infraspinous, 59
jugular, 48
mandibular, 49, 51
olecranon, 60
pubic, 61
scapular, 59
subscapular, 59
supraspinous, 59
- Fovea, 139
- Frenulum, 69
- Frontal bone
in cat, 91–92
in human, 46–50, 140
- Frontal border, 51
- Frontal crest, 49
- Frontalis, 66, 68
- Frontal notch, 46
- Frontal process, 47, 50, 53, 91
- Frontal sinus, 48
- Frontozygomatic suture, 47
- FSH (Follicle stimulating
hormone), 161
- Furrows, parietal, 51
- G**
- Gallbladder, 36
- Ganglion cell, 19, 20
- Gastric pits, 33
- Gastrocnemius, 66
in cat, 104–106
in fetal pig, 124
in human, 67, 84–87, 153
- Gastroepiploic vein, 118, 159
- Genioglossus, 69, 143
- Geniohyoid, 69
- Genitofemoral nerve, 121
- Germinativum, 39
- GH (Growth hormone), 161
- Gladius, 59
- Gland. *See Specific glands*
- Glenoid fossa, 59
- Glomerulus, 37–38
- Glossopharyngeal nerve, 144, 154
- Gluteal tuberosity, 62
- Gluteus maximus
in cat, 104–105
in fetal pig, 122, 124
in human, 67, 77, 83–84, 151
- Gluteus medius
in cat, 104–105
in fetal pig, 122, 124
in human, 67, 83–84, 151
- Gluteus minimus, 83, 151
- Goblet cell, 5, 33–34
- Golgi apparatus, 136, 137
- Gonadal vein, 159
- Gracilis
in cat, 106
in human, 66–67, 82,
84, 87, 152
- Granule, cytoplasmic, 25
- Granulocyte, 156
- Granulosa cells, 42
- Greater omentum, 116
- Greater palatine canal, 53
- Greater sciatic notch, 62, 141
- Greater trochanter, 62, 93
- Greater tubercle, 60
- Greater wing of sphenoid, 48, 49
- Great saphenous nerve, 106
- Great saphenous vein, 159
- Growth hormone (GH), 161
- Gynecoid pelvis, *versus*
android, 141
- H**
- Hair cell, 21
- Hair follicle, 13
- Hamate carpal, 61
- Hamulus, 139
- Hand
bones and processes of, 61
musculature of, 147
- Hassall's corpuscle, 30
- Haversian canal, 14
- Haversian system (osteon), 14
- Head. *See also Face; Skull*
major veins of, 159–160
muscles of cat, 94–97
muscles of human, 68, 144
- Heart
cardiac cycle, 157
cardiac muscle, 17, 65
in cat, 110–112, 114
in fetal pig, 126–129
in rat, 131
- Hemiazygos vein, 159
- Hemorrhoidal artery, 129
- Hepatic portal vein, 118, 159
- Hepatic vein, 159
- Hepatocyte, 35
- Hip musculature, 83–84, 150–151
- Horizontal plate, 52
- Hormones, pituitary gland, 161
- Human musculature. *See Muscula-
ture, human*
- Human skeleton. *See Skeleton,
human*
- Humeral artery, 109
- Humerus
in cat, 90, 92
in human, 60, 140
- Hyaline cartilage, 10–11
- Hyoglossus, 69
- Hyoid bone, 69, 140
- Hypogastric artery, 120
- Hypogastric vein, 120
- Hypoglossal canal, 49
- Hypoglossal nerve, 143, 154
- Hypoglossus, 143
- I**
- Ileum, villi of, 33–34
- Iliac artery
in cat, 118, 120–121
in fetal pig, 129
in human, 158, 160
in rat, 133
- Iliac crest, 61–62
- Iliac fossa, 61–62
- Iliac spine, 61–62
- Iliacus, 82, 151
- Iliac vein
in cat, 118, 120–121
in human, 159
- Iliocostalis
in cat, 102–103
in human, 72, 150
- Iliolumbar artery
in cat, 118, 120–121
in rat, 133–134
- Iliolumbar vein
in cat, 118, 120
in rat, 133–134
- Iliopectineal line, 61–62
- Iliopsoas, 66, 106, 150–151
- Iliopubic eminence, 61–62
- Iliotibial band, 83, 104
- Ilium, 61, 92, 93
- Incisive bone, 91
- Incisive foramen, 49
- Incisive fossa, 53
- Incus, 48, 140
- Inferior concha, 46
- Inferior constrictor, 70
- Inferior extensor retinaculum, 88
- Inferior meatus, 53
- Inferior nasal bone, 140
- Inferior oblique, 73
- Inferior orbital fissure, 49
- Inferior pubic ramus, 61–62
- Inferior rectus, 73
- Inferior sagittal sinus vein, 159
- Inferior vena cava, 113, 127, 160
- Intraorbital foramen, 46, 50, 53
- Infraspinatus, 67, 71, 78, 102, 145
- Infraspinous fossa, 59, 92
- Inguinal ring, 119
- Innervation, 17
- Innominate artery, 112, 127, 158
- Innominate vein, 111, 114, 160
- Intercalated disk, 17
- Intercondylar fossa, 62
- Intercostal artery, 131
- Intercostal muscle, 74, 103, 148
- Intercostal nerve, 148
- Intercostal space, 139
- Intercostal vein, 131, 159
- Intermediate cuneiform, 64
- Internal auditory meatus, 48, 51
- Internal iliac artery, 120, 121, 129
- Internal iliac vein, 120, 159
- Internal intercostal, 103, 148
- Internal jugular vein
in cat, 108, 111, 114
in fetal pig, 126
in human, 160
- Internal mammary artery, 113
- Internal mammary vein, 126, 131
- Internal oblique
in cat, 115
in fetal pig, 122, 124
in human, 74–76, 148
in rat, 130
- Internal occipital crest, 52
- Internal occipital
protuberance, 52
- Internal spermatic artery, 119
- Interosseous border, 60, 63
- Interosseous nerve, 101
- Interphase, 2
- Interstitial cell, 39
- Intertrochanteric crest, 62
- Intertubercular groove, 60
- Intervertebral disk, 55
- Intervertebral foramen, 55
- Intestine. *See Large intestine;
Small intestine*
- Intrinsic muscles, human
tongue, 143
- Ischial ramus, 61–62
- Ischial spine, 61–62, 141
- Ischiatic tuberosity, 61–62, 93
- Ischiocavernosus, 77, 149
- Ischium
in cat, 92–93
in human, 61–62, 141
- Islet of Langerhans, 23
- Isometric ventricular
contraction, 157
- Isometric ventricular
relaxation, 157
- Isthmus of Fauces, 97

166 INDEX

J

Jaw musculature, 142
Jugular foramen, 48–49
Jugular fossa, 48
Jugular notch, 52, 58–59
Jugular tubercle, 52
Jugular vein
in cat, 94–97, 108
in fetal pig, 123, 125–126
in human, 160

K

Keratinized cell, 7
Kidney
in cat, 116, 118, 119–121
in fetal pig, 127–130
in rat, 132–134
Kidney tubule, 4–5
Knee musculature, 84–87

L

Lacrimal bone
in cat, 91
in human, 46–47, 140
Lacrimal crest, 53
Lacrimal foramen, 46–47
Lacrimal fossa, 91
Lacunae, 10–11, 14
Lambda suture, 48
Lambdoidal margin, 52
Lambdoidal suture, 47
Lamina, vertebral, 56–57
Lamina propria, 29, 36, 38
Large intestine, 34, 116, 132
Larynx
in cat, 95, 97, 114
in fetal pig, 125–126
in human, 70
in rat, 131
Late diastole, 157
Lateral condyle, 62–63, 93
Lateral cuneiform, 64
Lateral epicondyle, 60, 92
Lateral malleolus, 88, 93
Lateral pterygoid, 50, 68, 142
Lateral pterygoid process, 49–50
Lateral rectus, 73
Latissimus dorsi
in cat, 98–103, 107–109,
111, 115
in fetal pig, 122–123
in human, 66–67, 71, 145
Leg
musculature of, 82–87, 153
veins of, 159
Lesser wing of sphenoid, 48–49
Leukocyte, 24–26, 156
Levator ani, 77, 149
Levator costa, 58, 148
Levator palpebrae superioris,
73, 142
Levator scapulae, 69, 71, 78
Levator scapulae ventralis, 100
Levator veli palatini, 144
Leydig cell, 39
Ligament
anterior cruciate, 62

costoclavicular, 59
nuchal, 101–103
patellar, 82, 85
posterior cruciate, 62
Linea alba
in cat, 107, 115
in human, 66, 74, 76
Linea aspera, 62
Lingula, 53, 139
Liver, 35
in cat, 116, 118–119
in fetal pig, 128
in rat, 130, 132
Longissimus
in cat, 102, 103
in human, 72, 144, 150
Long thoracic nerve, 108, 145
Long thoracic vein, 111
Longus capitis, 69
Loose connective tissue, 8
Lower extremities
bones of, 62–64, 140
major veins of, 159
musculature of, 82–88,
146–147, 151–153
Lumbar nerve, 119, 133, 155
Lumbar vein, 159
Lumbar vertebrae
in cat, 90, 92–93
in human, 55–56, 140
Lumbodorsal fascia
in cat, 101–105
in fetal pig, 124
Lumbosacral plexus, 155
Lumen
arterial wall, 28
bladder, 39
blood vessel, 7
bronchiole, 32
kidney tubule, 4, 5
urethral, 39
Lunate carpal, 61
Lung
in cat, 110–112
in fetal pig, 126–129
in rat, 131
Luteinizing hormone (LH), 161
Lymphatic vessel, 30
Lymph channel, 34
Lymph node
in cat, 94–97, 111, 114
in fetal pig, 123, 125
histology, 29
Lymphocyte, 26, 156
Lymphoid follicle, 36
Lymph vessel, 117
Lysosome, 136–137

M

Macrophage, 4, 32
Malar bone. See
Zygomatic bone
Malleolar fossa, 63
Malleolus, 93
Malleus, 48, 140
Mammary artery, 113
Mammary vein, 126, 131

Mandible
in cat, 90–91, 96
in human, 47, 53, 69–70, 140
Mandibular alveolus, 46, 47
Mandibular angle, 47
Mandibular condyle, 53
Mandibular condyloid process, 47
Mandibular coronoid process, 47
Mandibular foramen, 53
Mandibular fossa, 49, 51
Mandibular lingula, 53
Mandibular notch, 47
Mandibular ramus, 46, 53
Manubriosternal joint, 59
Manubrium, 58–59
Marrow cavity, 64
Masseter
in cat, 94–96
in fetal pig, 123, 125
in human, 66, 68, 142
Mastication musculature, 68, 142
Mastoid margin, 52
Mastoid process, 47, 49, 51, 91
Matrix, hyaline cartilage, 10
Maxillae
in cat, 90–91
in human, 47, 49, 53, 140
Maxillary alveolus, 46, 47
Maxillary border, 50
Maxillary hiatus, 53
Maxillary process, 52
Maxillary sinus, 53
Meatus, 139
Medial condyle, 62–63, 93
Medial cubital vein, 111, 158
Medial cuneiform, 64
Medial epicondyle, 60, 92
Medial malleolus, 63, 88, 93
Medial pterygoid, 50, 68
Medial pterygoid process, 49–50
Medial rectus, 73
Median antebrachial vein, 158
Median crest, 57
Median nerve
in cat, 96, 99, 101, 109,
111–112, 114
in human, 146–147
Median sacral artery
in cat, 118, 120
in fetal pig, 129
in rat, 133
Mediastinal membrane, 128–129
Meissner's Corpuscle, 12
Membrane transport
processes, 138
Mental foramen, 46, 47, 53
Mental protuberance, 53
Mentum nuchae, 55
Mesenteric artery, 117,
120, 121, 129
Mesenteric ganglion, 121
Mesenteric vein, 117, 159
Mesentery, 117
Metacarpal, 61, 90, 92, 140
Metaphase, 2
Metatarsal, 64, 90, 93, 140
Microfilament, 137

Microtubule, 2–3, 136–137
Microvilli, 136
Middle constrictor, 70
Middle ear, bones of, 140
Middle meatus, 53
Middle nasal concha, 54
Middle phalanx of digits, 61
Mitochondria, 136–137
Mitosis, phases of, 2–3
Monocyte, 26, 156
Monofid spinous process, 56
Motor endplate, 17, 135
Motor neuron, 19
Mucosa, 32, 34, 40
Multifidus, 102–103, 150
Muscle
cardiac, 16
smooth, 17
striated, 16
Muscle fibers, 16
Muscularis (alimentary canal), 32
Muscularis (gallbladder), 36
Muscularis (large intestine), 34
Musculature, dissection specimen.
See also Musculature, human
cat, 94–109
fetal pig, 122–129
rat, 130–134
Musculature, human, 65–88
anterior view, 66
back and neck, 71–72
chest and abdomen,
74–76, 148
eye, 73, 141
head and neck, 68–70,
142–144
hip, 82–84, 150–152
lower extremities, 82–88,
146–147, 151–153
pelvis, 77, 149
posterior view, 67
shoulder, 78–79, 145
upper extremities,
78–81, 145
Musculocutaneous nerve, 96, 99,
109, 112, 114, 145–146
Myelinated nerve fiber, 20
Myelin sheath, 20
Myeloblast, 15
Myelocyte, 15
Mylohyoid
in cat, 95–96
in fetal pig, 125
in human, 69, 143
Myoneural junction, 17

N

Nasal bone
in cat, 91
in human, 46, 47, 140
Nasal concha, 54
Nasal crest, 53
Nasal spine, anterior, 46, 53
Nasolacrimal crest, 53
Navicular carpal, 61
Navicular tarsal, 64
Navicular tuberosity, 64

- Neck
 major veins of, 159–160
 musculature of, 69–72
- Nerve ending, 13
- Nerve fiber, 19–20
- Nerves. *See Specific nerves*
- Neuroglia, 18–19
- Neurohypophysis, 23, 161
- Neuron, 18–19
- Neuronal process, 19
- Neutrophil, 15, 24, 156
- Neutrophilic stab cell, 15
- Node of Ranvier, 19
- Nuchal crest, 91
- Nuchal ligament, 101–102
- Nuchal line, 49
- Nuclear envelope, 136
- Nuclear membrane, 2
- Nucleolus, 136–137
- Nucleus, 136–137
- O**
- Oblique capitis inferior, 144
- Oblique muscle
 in cat, 103, 106–107, 113
 in fetal pig, 122, 124
 in human, 66, 74–75, 148
 in rat, 130
- Obliquus inferior, 141
- Obliquus superior, 141
- Obturator foramen, 61–62
- Obturator nerve, 106, 152
- Occipital bone
 in cat, 91
 in human, 47–49, 52, 140
- Occipital border, 51
- Occipital condyle
 in cat, 91
 in human, 49
- Occipitalis, 67–68
- Occipital suture, 48
- Occipitofrontalis, 142
- Occipitospheoid suture, 49
- Occipitotemporal suture, 49
- Oculomotor nerve, 141–142, 154
- Odontoid process, 56–57
- Olecranon fossa, 60
- Olecranon process
 in cat, 92, 98
 in human, 60
- Olfactory nerve, 154
- Omohyoid, 69, 96, 143
- Oocyte, 42
- Optic canal, 73
- Optic foramen, 46, 48–50
- Optic nerve, 154
- Orbicularis oculi, 66, 68, 142
- Orbicularis oris, 66, 68, 142
- Orbit, 50, 90, 91
- Orbital border, 50
- Orbital fissure, 46, 49, 50
- Orbital plate
 of ethmoid bone, 54
 of frontal bone, 48–49
- Orbital process, 52
- Organ of Corti, 21
- Os coxae, 140
- Osmosis, 138
- Osteoblast, 14
- Osteocyte, 14
- Osteon, 14
- Ovarian artery, 118, 129, 134
- Ovarian follicle, 42
- Ovarian vein, 118, 134
- Ovary
 in cat, 118
 in fetal pig, 129
 in human, 41
 in rat, 134
- Ovum, 41–42
- Oxytocin, 161
- P**
- Pacinian Corpuscle, 13
- Palate
 in cat, 97, 114
 musculature of, 144
- Palatine bone, 49, 52, 140
- Palatine canal, 53
- Palatine foramen, 49
- Palatine process, 53
- Palatine tonsil, 31, 97
- Palatoglossus, 69, 144
- Palatopharyngeus, 144
- Palmar arch vein, 158
- Palmaris longus
 in cat, 98–99, 126
 in human, 80, 147
- Pancreas, 23
 in cat, 116, 118–119
 in rat, 132
- Papilla, 12–13, 97
- Parathyroid gland, 22
- Paraurethral gland, 39
- Parietal bone
 in cat, 91–92
 in human, 46–48, 51, 140
- Parietal cell, 33
- Parietal notch, 51
- Parotid gland, 37, 94, 111, 123
- Patella, 63, 82, 85, 93, 140
- Patellar ligament, 82, 85
- Patellar tendon, 66
- Pectineus, 66, 106, 152
- Pectoantibrachialis, 95, 98, 107, 115
- Pectoralis major
 in cat, 98, 107, 115
 in fetal pig, 125
 in human, 66, 74, 145
- Pectoralis minor
 in cat, 98, 107, 115
 in human, 74, 145
- Pedicle, vertebral, 56, 57
- Pelvis
 in cat, 90
 girdle and leg
 components, 140
 musculature of, 77, 149
 processes, 61–62
- Penis
 in cat, 119, 121
 in fetal pig, 128
 in human, 77
- in rat, 130, 132–133
- Pericardium, 110, 128
- Peritoneum, 76, 115, 130
- Peroneal nerve, 152–153
- Peroneal retinacula, 86–87
- Peroneal vein, 159
- Peroneus brevis
 in cat, 104
 in human, 85–87, 153
- Peroneus longus
 in cat, 104–105
 in human, 66–67, 85–87, 153
- Peroneus tertius, 85–86, 88, 153
- Peroxisome, 137
- Perpendicular plate, 54
- Perpendicular plate of ethmoid, 46
- Petrosal sinus vein, 159
- Petrous portion of temporal bone, 48, 51
- Phagocytosis, 138
- Phalanges, 140
 in cat, 90, 92–93
 foot, 64
 hand, 61
- Pharyngeal plexus, 144
- Pharynx, 70, 144
- Photoreceptors, 20
- Phrenic nerve, 112–114, 148
- Phrenicoabdominal artery, 121
- Pig, fetal, 122–129
- Pinocytosis, 138
- Piriformis, 151
- Pisiform carpal, 61
- Pituitary gland, 23
 hormones of, 161
- Placenta, 118, 160
- Plantar arch vein, 159
- Plantaris, 87, 153
- Plasma membrane, 137
- Platelet, 27, 156
- Platysma, 68, 96
- Podocyte, 37
- Popliteal artery, 158
- Popliteal surface, 62
- Popliteal vein, 159
- Popliteus, 153
- Posterior cruciate ligament, 62–63
- Posteriornasal spine, 49
- Posterior pituitary (neurohypophysis), 161
- Postural muscles, 150
- Preerythroblasts, 15
- Pregnant cat urogenital system, 118
- Preperitoneal fat, 76
- Primary follicle, 41
- Primordial follicle, 41–42
- Processes
 clavicle, 59
 lower extremities, 62–64
 pelvic, 61–62
 ribs, 58
 scapular, 59–60
 skull, 46–54
 spinal, 55–57, 61
- sternum, 59
 upper extremities, 60–62
- Prolactin (Prl), 161
- Pronator quadratus, 80, 146
- Pronator teres
 in cat, 98–99
 in human, 80, 146
- Prophase, 2
- Prostate gland, 41
 in cat, 119, 121
 in fetal pig, 128
- Proximal extensor retinaculum, 105–106
- Pseudostratified ciliated columnar epithelium, 5–6
- Pseudostratified columnar epithelium, 40
- Psoas, 151
 in cat, 120–121
 in rat, 133
- Psoas major, 82
- Pterygoid canal, 50
- Pterygoid muscle, 68, 142
- Pterygoid process, 49–50
- Pubic arch, 61, 141
- Pubic tubercle, 61
- Pubis, 61–62, 93
- Pudendal nerve, 149
- Purkinje cells, 18
- Pyramidal cell, 18
- Pyramidal process, 52
- Q**
- Quadratus lumborum, 150
- R**
- Radial artery, 158
- Radial fossa, 92
- Radial nerve, 146–147
 in cat, 96, 99, 101, 108–109, 111–112, 114
 in fetal pig, 127
- Radial notch, 60
- Radial process, 60
- Radial vascularity, 60
- Radial vein, 158
- Radius
 in cat, 90, 92
 in human, 60, 140
- Ramus, 139
 mandibular, 46, 53
 pelvic, 61–62
- Ranvier, Node of, 19
- Rat, 130–134
- Rectum, 77
 in cat, 117–121
 in fetal pig, 128–129
 in rat, 130, 132–134
- Rectus abdominis
 in cat, 106–107, 115
 in human, 66, 74–76, 148
 in rat, 130, 132
- Rectus femoris
 in cat, 106
 in human, 66, 82–83, 151
- Red blood cell. *See Erythrocyte*
- Red bone marrow, 15

168 INDEX

- Renal artery
in cat, 118–121
in fetal pig, 128
in rat, 133–134
- Renal corpuscle, 37
- Renal vein, 159
in cat, 120–121
in fetal pig, 128–129
in rat, 133–134
- Reticular connective tissue, 8
- Reticular fibers, 8
- Retina, 20
- Rhomboideus, 67
- Rhomboideus capitis, 101, 123
- Rhomboideus major, 71, 102, 145
- Rhomboideus minor, 71,
101–102, 145
- Ribosome, 136–137
- Ribs, 58, 140
- Rods, 20
- Root sheath, hair, 13
- Rostrum, 50
- Rotator cuff, 145
- S**
- Sacral artery
in cat, 118, 120
in fetal pig, 129
in rat, 133
- Sacral canal, 57
- Sacral foramen, 57
- Sacral hiatus, 57
- Sacral nerve, 155
- Sacral vertebrae, 55, 57, 92
- Sacrum, 55, 57, 61, 140, 141
- Sagittal border, 51
- Sagittal sinus
grooves for, 52
vein, 159
- Sagittal suture, 47–48, 92
- Salivary duct, 36–37, 123
- Salivary gland, 36–37, 131
- Saphenous vein, 106, 159
- Sartorius, 66–67, 82–84, 87,
104–106
- Scalene, 148
- Scalene tubercle, 58
- Scalenus, 69, 108
- Scalp, 13
- Scaphoid carpal, 61
- Scapulae
in cat, 90, 92, 107
in human, 59, 60, 78, 140
- Scapular artery, 112–113
- Scapular nerve, 145
- Scapular vein, 111
- Scarpa's fascia, 76
- Sciatic nerve, 105
- Sciatic notch, 62
- Scrotum, 77
- Sebaceous gland, 13
- Secondary ovarian follicle, 42
- Secretory vesicle, 136
- Sella turcica, 48–49
- Semimembranosus
in cat, 104–106
in fetal pig, 122, 124
- in human, 67, 84, 87, 152
- Seminal vesicle, 132–133
- Seminiferous tubule, 39
- Semispinalis, 150
- Semispinalis capitis, 72, 144
- Semitendinosus
in cat, 104–106
in fetal pig, 122, 124
in human, 67, 84, 87, 152
- Serous demilunes, 36
- Serratus, 115, 122
- Serratus anterior
in cat, 115
in fetal pig, 122
in human, 66, 74, 145
- Serratus anterior tuberosity, 58
- Serratus ventralis, 108
- Sertoli cell, 39
- Sesamoid bone, 140
- Shaft, 60
- Shoulder
bones of, 140
musculature of, 71,
78–79, 145
- Sickle cell anemia, 27
- Sigmoid colon, 129
- Sigmoid sinus
grooves for, 48, 51, 52
vein, 160
- Simple columnar epithelium, 5
- Simple cuboidal epithelium, 1, 4–5
- Simple squamous epithelium, 4
- Sinus
frontal, 48
grooves for, 48, 52
- Sinusoid, 35
- Skeletal muscle, 16, 17, 89
- Skeleton
cat, 90–93
human. *See* Skeleton, human
terminology, 139
- Skeleton, human, 46–64,
140–141
female *versus* male, 141
lower extremities, 62–64
pelvis, 61–62
skull, 46–54
spinal column, 55–57
sternum and ribs, 58–59
upper extremities, 60–61
- Skin, 12
- Skull
bones of, 46–54, 140
in cat, 91
musculature of, 144
- Small intestine, 33, 34
in cat, 116–119
in fetal pig, 128
in rat, 132
- Smooth muscle, 17, 32, 39
- Soleal line, 63
- Soleus, 66–67, 85–87, 153
in cat, 104–106
in fetal pig, 124
- Somatotropin, 161
- Spermatic artery
in cat, 119, 121
- in fetal pig, 128
in rat, 133
- Spermatic cord, 128
- Spermatic vein, 119
- Spermatocyte, 39
- Spermatozoa, 39–40
- Sphenoidal process, 52
- Sphenoid bone, 46–50, 140
- Sphenopalatine notch, 52
- Sphincter ani externus, 149
- Sphincter urethrae, 149
- Spinal accessory nerves, 114,
144–145, 154
- Spinal column, 55–57
components of, 140
musculature of, 150
- Spinal cord, 19, 20
- Spinalis, 102–103, 150
- Spinalis capitis, 72
- Spinalis cervicis, 72
- Spinalis thoracis, 72
- Spinal nerve, 114, 155
- Spindle fiber, 2, 3
- Spine, 92, 139
- Spinodeltoid
in cat, 100–101
in fetal pig, 122–123
- Spinotrapezius
in cat, 101–103
in fetal pig, 122–123
- Spinous process, 55–56, 91
- Spiral line, 62
- Spleen, 31
in cat, 116, 118–119
in fetal pig, 128
in rat, 130, 132
- Splenic vein, 159
- Splenius capitis, 72, 101, 123
- Spongy bone, 14, 64
- Squamosal bone, 91
- Squamosal border, 51
- Squamosal suture, 47
- Squamous epidermis, 12
- Squamous epithelium, 4, 6–7
- Stab cell, neutrophilic, 15
- Stapes, 48, 140
- Sternal angle, 58
- Sternocleidomastoid, 66–69, 74,
144, 148
- Sternohyoid, 69, 143
in cat, 94, 96
in fetal pig, 125
in rat, 131
- Sternomastoid
in cat, 94–96
in fetal pig, 123, 125
- Sternothyroid, 69, 94–95, 143
- Sternum
in cat, 90, 92, 95, 108
in fetal pig, 125
in human, 58–59, 140
in rat, 130, 132–133
- Stomach, 33
in cat, 116, 118–119
in fetal pig, 128
in rat, 132
- Stratified squamous epithelium, 6–7
- Stratum basale, 12
- Stratum corneum, 12
- Stratum granulosum, 12
- Stratum spinosum, 12
- Striated muscle, 16, 89
- Styloglossus, 69, 143
- Stylohyoid, 69
- Styloid process, 47, 49, 51,
60, 69, 92
- Stylomastoid foramen, 49, 91
- Stylopharyngeus, 144
- Subclavian artery, 158
in cat, 112–113
in fetal pig, 127
- Subclavian groove, 58
- Subclavian vein, 158
in cat, 96, 99, 111, 114
in fetal pig, 126
- Sublingual salivary gland, 36
- Submandibular salivary
gland, 37, 94–95
- Submaxillary gland
in cat, 94–95, 111
in fetal pig, 123, 125
- Submucosa, 32, 34
- Suboccipital nerve, 144
- Subscapular artery, 113
- Subscapular fossa, 59
- Subscapularis, 79, 107–108,
112, 145
- Subscapular nerve, 109, 114, 145
- Subscapular sinus, 31
- Subscapular vein, 111, 114
- Sulcus, 139
- Superficial peroneal nerve, 88
- Superficial transversus perinei, 77
- Superior articular facet, 56–57
- Superior articular process, 56–57
- Superior constrictor, 70
- Superior extensor retinaculum, 88
- Superior nuchal line, 49
- Superior oblique, 73
- Superior orbital fissure, 49–50
- Superior sagittal sinus vein, 159
- Superior vena cava, 126–127, 160
- Supinator, 80, 146
- Suprameatal triangle, 51
- Supraorbital foramen, 46, 50
- Supraorbital notch, 50
- Suprarenal vein, 159
- Suprascapular nerve, 145
- Suprascapular notch, 59
- Supraspinatus
in cat, 101–102
in human, 71, 78
- Supraspinous fossa, 59, 92
- Surgical neck, defined, 139
- Suture, cranial, 47–48
- Symphysis pubis, 61–62, 77
- Styole, atrial, 157
- T**
- Talus, 64
- Tarsal, 64, 90, 93, 140
- Taste bud, 21
- Tectorial membrane, 21
- Telophase, 3

- Temporal bone
in cat, 91
in human, 46–49, 51, 140
- Temporal border, 50
- Temporalis
in cat, 94, 96
in human, 67–68, 142
- Temporal process, 46–47, 49–50
- Temporozygomatic suture, 47
- Tendon
Achilles, 64, 104–106, 124
calcaneal, 67, 86–87, 104
extensor digitorum, 101
foot, 88
patellar, 66
- Tensor fascia latae
in cat, 104–106
in fetal pig, 122, 124
in human, 66, 82–83, 150
- Tensor veli palatini, 107–108, 112, 144
- Teres major
in cat, 107–108, 112
in human, 67, 71, 78, 145
- Teres minor, 67, 71, 78, 145
- Testis, 39
in cat, 119, 121
in fetal pig, 122, 124, 128
in rat, 130, 132
- Thigh muscles, 82–84
- Thigh musculature, 82–84, 151–152
- Thoracic nerve
in cat, 96, 99
in fetal pig, 127
in human, 108, 145
- Thoracic vein, 111, 159
- Thoracic vertebrae
in cat, 90, 92
in human, 55–56, 58, 140
- Thoracoacromial artery, 109, 112
- Thoracoacromial nerve, 112
- Thoracodorsal artery, 109
- Thoracodorsal nerve, 145
in cat, 108–109, 111
in fetal pig, 127
- Thoracodorsal vein, 111
- Throat musculature, 143
- Thumb, 61
- Thymic corpuscles, 30
- Thymus
in cat, 110–111
in fetal pig, 128
histology of, 30
in rat, 131
- Thyrocervical artery, 113
- Thyrohyoid, 69
- Thyroid cartilage, 69
- Thyroid gland, 69
in cat, 97, 114
in fetal pig, 126, 128
in rat, 131
thyroid follicle, 22
- Thyroid gland follicle, 22
- Thyroid stimulating hormone (TSH), 161
- Tibia
in cat, 90, 93, 106
in human, 63, 85, 140
- Tibial artery, 88, 158
- Tibialis anterior
in cat, 104–106
in fetal pig, 124
in human, 66, 85–86, 153
- Tibialis posterior, 63, 87, 106, 153
- Tibial nerve, 152–153
- Tibial tuberosity, 63, 93
- Tibial vein, 159
- Tongue, 69–70, 94, 97, 143
- Tonsil, palatine, 31
- Trachea
in cat, 95, 97, 111–114
columnar epithelium in, 6
in fetal pig, 125–128
in rat, 131
- Transitional epithelium, 7, 38
- Transport processes, membrane, 138
- Transversalis abdominis, 115
- Transversalis fascia, 76
- Transverse foramen, 56–57, 91
- Transverse jugular vein, 94–95
- Transverse perineal, 149
- Transverse process, 55–57, 91
- Transverse scapular artery, 112–113, 127
- Transverse scapular vein, 111
- Transverse sinus
grooves for, 48, 52
vein, 160
- Transversus abdominis, 74–75, 130, 148
- Transversus thoracis, 148
- Trapezium carpal, 61
- Trapezius, 66–67, 69, 71, 74, 79, 144–145
- Trapezoid carpal, 61
- Triangle of auscultation, 145
- Triangular carpal, 61
- Triceps brachii
in cat, 99–102, 112
in fetal pig, 122–123
in human, 67, 78, 81, 146
- Trigeminal nerve, 142–144, 154
- Triquetrum carpal, 61
- Trochanter, 139
in cat, 93
in human, 62
- Trochlea, 60, 73, 92, 139
- Trochlear nerve, 141, 154
- Trochlear notch, 60
- True ribs, 58, 140
- Tubercle, 139
conoid, 59
intercondylar eminence, 63
jugular, 52
pubic, 61
rib, 58
talar, 64
- Tuberosity, 60–62
defined, 139
of fifth metatarsal, 88
- Tunica adventitia, 27–28
- Tunica albuginea, 41
- Tunica intima, 27–29
- Tunica media, 27–29
- Tunica muscularis, 39
- Tunica propria, 39
- U**
- Ulna
in cat, 90, 92
in human, 60, 140
- Ulnar artery, 158
- Ulnar nerve, 96, 98–99, 101, 109, 111–112, 114, 147
- Ulnar notch, 60
- Ulnar tuberosity, 60
- Ulnar vein, 158
- Umbilical artery, 119, 128–129, 160
- Umbilical cord, 122
- Umbilical vein, 128–129, 160
- Umbilicus, muscles above and below, 76
- Umbrella cell, 7, 39
- Upper extremities
bones of, 60–61
major veins of, 158
musculature of, 78–81, 145–147
- Ureter, 38
in cat, 118–121
in fetal pig, 128–129
in rat, 133–134
- Urethra
in cat, 119, 121
in fetal pig, 128–129
histology, 39
in human, 77
- Urethral orifice, 77
- Urinary bladder, 39
in cat, 116–120
in fetal pig, 128–129
in rat, 132–134
- Urogenital diaphragm, 77
- Urogenital system
in cat, 118–119
in fetal pig, 128–129
in rat, 133–134
- Uterine horn
in cat, 118
in fetal pig, 129
in rat, 134
- Uterus
in cat, 117–118
in fetal pig, 129
in rat, 134
- V**
- Vagina, 77
- Vaginal orifice, 77
- Vagus nerve, 144, 154
in cat, 111–114
in fetal pig, 126–127
- Vas deferens, 119, 128
- Vasopressin, 161
- Vastus intermedius, 82, 151
- Vastus lateralis
in cat, 105–106
- in fetal pig, 122, 124
in human, 66–67, 82–84, 86, 151
- Vastus medialis
in cat, 106
in human, 66, 82, 151
- Vein. *See also Specific veins*
histology, 27
major and minor, 158–160
- Vena cava
in cat, 111–114
in fetal pig, 126–127
- Ventral canal, spinal cord, 20
- Ventricular diastole, 157
- Ventricular ejection, 157
- Ventricular systole, 157
- Vermiform appendix, 36
- Vertebrae
in cat, 90–93
in fetal pig, 127
in human, 55–57, 150
- Vertebral arches, 56
- Vertebral artery, 112–113, 127
- Vertebral column, musculature of, 150
- Vertebral foramen, 56
- Vertebral ribs, 58
- Vertebral spinous process, 92
- Vertebral vein, 160
- Vertical plate, palatine bone, 52
- Vibrissal barrels, 94
- Villi of Ileum, 33, 34
- Vomer bone, 46, 49, 140
- Vomer nasal nerve, 154
- W**
- White blood cell. *See Leukocyte*
- White matter, 20
- Willis, Circle of, 158
- Wormian bones, 47, 140
- Wrist musculature, 147
- X**
- Xiphohumeralis, 107, 115
- Xiphisternal joint, 59
- Xiphoid process, 59. *See also Sternum*
- Z**
- Zona fasciculata, 24
- Zona glomerulosa, 24
- Zona pellucida, 42
- Zona reticularis, 24
- Zygomatic arch, 47, 49, 90–91
- Zygomatic bone
in cat, 91
in human, 46–47, 49, 50, 140
- Zygomatic process, 50
of frontal bone, 91
of maxilla, 46, 53
of temporal bone, 47, 49, 51, 91
- Zygomatous, 66, 68
- Zygomatous major, 142
- Zygomatous minor, 142
- Zymogen granules, 37