

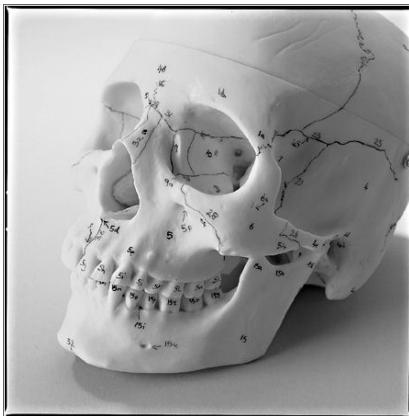
Model Keys

This section will supply you with the keys to several of the models found in the anatomy lab and the learning center. This does not include all the models. After the model keys in this section you will find keys to most of the Nystrom charts.

In the anatomy lab there is a reference shelf that contains binders with the keys to most models, torsos and the Nystrom charts. Keys to some of the models are actually attached to the model. Chart keys can also be found either right on the chart or posted next to the chart.

Unit 1

Numbered Skull (with colored numbers):



1. Frontal bone
 - a. zygomatic process
 - b. frontal crest (inside)
 - c. orbital part (inside)
 - d. supraorbital foramen
 - e. anterior ethmoidal foramen
 - f. posterior ethmoidal foramen
 - g. foramen caecum (inside)
2. Parietal bone
 - a. inferior temporal line
 - b. superior temporal line
 - c. parietal foramina (inside)
3. Occipital bone
 - a. external occipital protuberance
 - b. external occipital crest
 - c. occipital condyle
 - d. jugular process
 - e. groove for occipital artery
 - f. groove for transverse sinus (inside)

- g. internal occipital crest (inside)
- h. clivus (inside)
- i. foramen magnum
- j. jugular foramen
- k. hypoglossal canal
- l. cerebella fossa (inside)
- m. vermain fossa (inside)
4. Temporal bone
 - a. styloid process
 - b. tympanic part
 - c. mastoid process
 - d. mastoid notch
 - e. zygomatic process
 - f. articular tubercle
 - g. stylomastoid foramen
 - h. mastoid foramen
 - i. external acoustic meatus
 - j. internal acoustic meatus (inside)
 - k. carotid canal
 - l. mandibular fossa
5. Maxilla
 - a. incisive bone
 - b. palatine process of maxilla
 - c. maxillary tuberosity
 - d. anterior nasal spine
 - e. canine eminence
 - f. zygomatic process
 - g. central incisor
 - h. lateral incisor
 - i. canine
 - j. first premolar
 - k. second premolar
 - l. first molar
 - m. second molar
6. Zygomatic bone
 - a. zygomaticofacial foramen
7. Sphenoid bone
 - a. medial pterygoid plate
 - b. lateral pterygoid plate
 - c. lesser wing of sphenoid (inside)
 - d. greater wing of sphenoid (inside)
 - e. chiasmatic groove (inside)
 - f. anterior clinoid process (inside)
 - g. posterior clinoid process (inside)
 - h. hypophyseal fossa (inside)
 - i. foramen ovale
 - j. foramen lacerum
 - k. foramen spinosum
 - l. foramen rotundum
 - m. superior orbital fissure
 - n. inferior orbital fissure
 - o. optic canal
 - p. pterygoid fossa
8. Nasal bone
9. Lacrimal bone
 - a. nasolacrimal canal

10. Ethmoid bone
 a. crista galli (inside)
 b. cribriform plate (inside)
 c. middle concha
 d. ethmoidal foramina (inside)
11. Vomer
12. Sutural bones
13. Horizontal process of palatine
 a. posterior nasal spine
 b. greater palatine foramen
 c. lesser palatine foramen
14. Inferior concha
15. Mandible
 a. coronoid process
 b. condylar process
 c. neck of condylar process
 d. pterygoid fovea
 e. lingula
 f. mylohyoid groove
 g. pterygoid tuberosity
 h. mylohyoid line
 i. interalveolar septa
- j. mental spine
 k. mandibular notch
 l. lower central incisor
 m. lower lateral incisor
 n. lower canine
 o. lower first premolar
 p. lower second premolar
 q. lower first molar
 r. lower second molar
 s. lower third molar
 t. sublingual fossa
 u. submandibular fossa
 v. mental foramen
 w. mandibular foramen
- Sutures
16. frontal suture (remnants)
 17. sagittal suture
 18. coronal suture
 19. lambdoidal suture
 20. parietomastoid suture
 21. spheno-squamous suture
 22. spheno-frontal suture
 23. sphenoparietal suture
 24. occipitomastoid suture
25. squamous suture
 26. temporozygomatic suture
 27. frontozygomatic suture
 28. zygomaticomaxillary suture
 29. frontonasal suture
 30. internasal suture
 31. frontomaxillary suture
 32. nasomaxillary suture
 33. lacrimomaxillary suture
 34. sphenozygomatica suture
 35. incisive suture
 36. intermaxillary suture
 37. palatomaxillary suture
 38. interpalatine suture
 39. petro-occipital suture
 40. sphenoethmoidal suture (inside)
 41. frontosphenoid suture
 42. frontolacrimal suture
 43. frontoethmoidal suture
 44. squamomastoid suture

Numbered Skull (with dark numbers):



- | | | |
|----------------------------------|--------------------------------------|--|
| 1. Frontal bone | 12. Lesser wing of sphenoid bone | 31. Nasal bone |
| 2. Supra-orbital margin | 13. Greater wing of sphenoid bone | 32. Infra-orbital margin |
| 3. Glabella | 14. Marginal tubercle | 33. Nasal septum |
| 4. Frontal notch | 15. Anterior lacrimal crest | 34. Inferior nasal concha |
| 5. Supra-orbital foramen | 16. Nasolacrimal canal | 35. Anterior nasal spine |
| 6. Fossa for lacrimal sac | 17. Orbital plate of ethmoid bone | 36. Maxilla |
| 7. Posterior lacrimal crest | 18. Body of sphenoid bone | 37. Ramus of mandible |
| 8. Anterior ethmoidal foramen | 19. Superior orbital fissure | 38. Body of mandible |
| 9. Posterior ethmoidal foramen | 20. Zygomatic bone | 39. Mental foramen |
| 10. Orbital part of frontal bone | 21. Frontal process of maxilla | 40. Mental protuberance |
| 11. Optic canal | 22. Orbital process of palatine bone | 41. Parietal bone |
| | 23. Inferior orbital fissure | 42. Superior temporal line |
| | 24. Maxilla | 43. Pterion (encircled) |
| | 25. Orbital border of zygomatic bone | 44. Inferior temporal line |
| | 26. Infra-orbital groove | 45. Frontozygomatic suture |
| | 27. Zygomatic-orbital foramen | 46. Squamous portion of temporal bone |
| | 28. Lacrimal bone | 47. Lambdoid suture |
| | 29. Infra-orbital foramen | 48. Zygomatic process of temporal bone |
| | 30. Nasion | 49. External acoustic meatus |
| | | 50. Condyle of mandible |
| | | 51. Coronoid process of mandible |

52. Tympanic part of temporal bone
 53. Styloid process of temporal bone
 54. Zygomatic arch
 55. Mandibular fossa
 56. Articular tubercle
 57. Infratemporal surface of greater wing of sphenoid bone
 58. Mastoid notch
 59. Mastoid process
 60. Styloid process and sheath
 61. Spine of sphenoid bone
 62. Pterygomaxillary fissure and pterygopalatine fossa
 63. Infratemporal surface of maxilla
 64. Groove for occipital artery
 65. Vomer
 66. Lateral pterygoid plate
 67. Occipital condyle
 68. Medial pterygoid plate
 69. Pyramidal process of palatine bone
 70. Third molar tooth
 71. Pterygoid hamulus
 72. Horizontal plate of palatine bone
 73. Parietal foramen
 74. Lambda
 75. Highest nuchal line
 76. Occipital bone
 77. Nuchal plane
 78. Jugular foramen
 79. Sagittal suture
 80. Parietal eminence
 81. Coronal suture
 82. Bregma
 83. Incisive fossa
 84. Palatine process of maxilla
 85. Mediate palatine suture
 86. Palatine grooves and spines
 87. Traverse palatine suture
 88. Greater palatine foramen
 89. Lesser palatine foramina
 90. Posterior nasal spine
 91. Posterior nasal aperture (choana)
 92. Posterior border of vomer
 93. Palatinovaginal canal
 94. Scaphoid fossa
 95. Vomerovaginal canal
 96. Apex of petrous of temporal bone
 97. Pharyngeal tubercle
 98. Carotid canal
 99. Edge of tegmen tympani
 100. Petrosquamous fissure
 101. Squamotympanic fissure
 102. Petrotympanic fissure
 103. Styломastoid foramen
 104. Condylar canal
 105. Mastoid foramen
 106. Inferior nuchal line
 107. External occipital crest
 108. External occipital protuberance
 109. Superior nuchal line
 110. Depressions for arachnoid
 111. Groove for superior sagittal sinus
 112. Grooves for middle meningeal vessels
 113. Frontal crest
 114. Diploe
 115. Foramen caecum
 116. Crista galli
 117. Groove for anterior ethmoidal nerve & vessels
 118. Cribiform plate of ethmoid bone
 119. Jugum of sphenoid bone
 120. Prechiasmatic groove
 121. Tuberculum sellae
 122. Anterior clinoid process
 123. Foramen rotundum
 124. Carotid groove
 125. Sella turcica
 126. Posterior clinoid process
 127. Dorsum sellae
 128. Venous foramen
 129. Foramen ovale
 130. Hiatus and groove for lesser petrosal nerve
 131. Trigeminal impression
 132. Foramen lacerum
 133. Foramen spinosum
 134. Hiatus and groove for greater petrosal nerve
 135. Internal acoustic meatus
 136. Groove for inferior petrosal sinus
 137. Clivus
 138. Petrous part of temporal bone
 139. Tegmen tympani
 140. Jugular foramen
 141. Groove for superior petrosal sinus
 142. Arcuate eminence
 143. Hypoglossal canal
 144. Foramen magnum
 145. Groove for sigmoid sinus
 146. Parietal bone
 147. Groove for transverse sinus
 148. Internal occipital protuberance
 149. Alveolar part
 150. Sublingual fossa
 151. Mylohyoid line
 152. Superior and inferior mental spines
 153. Digastrics fossa
 154. Submandibular fossa
 155. Lingula
 156. Mandibular foramen
 157. Head
 158. Pterygoid fovea
 159. Mandibular notch
 160. Posterior border of ramus
 161. Mylohyoid groove
 162. Angle
 163. Anterior border of ramus
 164. Oblique line
 165. Mental tubercle
 166. Base
 167. Inferior border of ramus

Skin Model

- | | | |
|------------------------|--------------------------|------------------------------|
| I. Epidermis | 6. Lamellated corpuscles | 11. Root |
| II. Dermis | 7. Sweat glands | a. hair bulb |
| III. Subcutaneous | 8. Hairs | 12. Hair papilla |
| 1. Stratum corneum | a. Medullary substance | 13. Sebaceous glands |
| 2. Stratum germinative | b. Cortical substance | 14. Arrector pilorum muscles |
| a. Stratum granulosum | c. cuticle of hair | 15. Sweat gland of arm-pit |
| b. Stratum spinosum | d. inner root sheath | a. smooth muscle cells |
| c. Stratum basale | e. outer root sheath | b. hyaline top |
| 3. Papillae | f. hyaloid membrane | c. part of pushed out cell |
| 4. Touch corpuscles | g. fibrous layer | body |
| 5. Adipose tissue | 10. Shaft | |

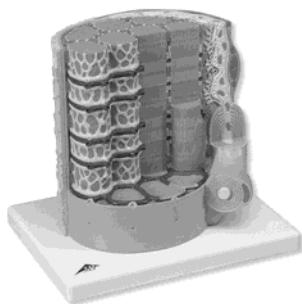
Muscles of Arm

- | | | |
|------------------------------------|---------------------------------|-----------------------------------|
| 1. Supraspinatus | 25. Supinator | 45. Axillary artery |
| 2. Infraspinatus | 26. Volar fascia | 46. Subscapular artery |
| 3. Teres major | 27. Extensor retinaculum | 47. Circumflex scapular artery |
| 4. Teres minor | 28. Flexor pollicis brevis | 48. Posterior circumflex humeral |
| 5. Latissimus dorsi | 29. Abductor pollicis brevis | artery |
| 6. Subscapularis | 30. Adductor pollicis | 49. Brachial artery |
| 7. Deltoid | 31. Opponens pollicis | 50. Profunda brachii artery |
| 8. Pectoralis major | 32. Opponens digiti minimi | 51. Ramus deltoideus |
| 9. Biceps brachii | 33. Flexor digiti minimi | 52. Medial collateral artery |
| 10. Brachialis | 34. Abductor digiti minimi | 53. Radial collateral artery |
| 11. Triceps brachii | 35. Lumbrical muscles | 54. Superior ulnar collateral |
| 12. Pronator teres | 36. Dorsal interosseous muscles | artery |
| 13. Flexor carpi radialis | of the hand | 55. Radial artery |
| 14. Palmaris longus | 37. Flexor retinaculum | 56. Ramus palmaris superficialis |
| 15. Flexor carpi ulnaris | 38. Tendon sheath | 57. Ramus carpeus dorsalis |
| 16. Extensor carpi ulnaris | 39. Crucial strings of tendon | 58. A. metacarpea dorsalis I |
| 17. Extensor digitorum | sheath | 59. Ulnar artery |
| 18. Extensor carpi radialis brevis | 40. Annular strings of tendon | 60. Common interosseous artery |
| 19. Extensor carpi radialis | sheath | 61. Posterior interosseous artery |
| longus | 41. Tendons of flexor pollicis | 62. Median artery |
| 20. Brachioradialis | longus | 63. Superficial palmar arch |
| 21. Tendon of extensor pollicis | 42. Tendons of flexor digitorum | 64. Palmar digital arteries |
| longus | sublimis | 65. Palmar digital arteries |
| 22. Extensor pollicis brevis | 43. Tendons of flexor digitorum | 66. Dorsal digital arteries |
| 23. Adductor pollicis longus | profundus | |
| 24. Flexor digitorum sublimis | 44. Chiasma tendinum | |

Muscles of Leg with Base of Pelvis

- | | | |
|--|---|---|
| 1. Psoas major | 20. Extensor hallucis longus | 41. Obturator artery |
| 2. Iliacus | 21. Extensor digitorum longus | 42. Superior gluteal artery |
| 3. Gluteus maximus | 22. Peroneus longus | 43. Inferior gluteal artery |
| 4. Gluteus medius | 23. Peroneus brevis | 44. Internal pudendal artery |
| 5. Piriformis | 24. Triceps surae | 45. Femoral artery |
| 6. Obturator internus | a. Gastrocnemius | a. Femoral vein |
| 7. | b. Gastrocnemius | 46. Profunda femoris artery |
| | c. Soleus | 47. Descending branch of lateral circumflex artery |
| a. Superior gemellus | d. Achilles tendon | 48. Ascending branch of lateral circumflex artery |
| b. Inferior gemellus | 25. Plantaris muscle | 49. Medial deep branch of lateral circumflex artery |
| 8. Quadratus femoris | 26. Popliteus | 50. Perforating arteries |
| 9. Tensor fasciae latae | 27. Flexor digitorum longus | 51. Popliteal artery |
| 10. Sartorius | 28. Tibialis posterior | 52. Lateral superior genicular artery |
| 11. Quadriceps femoris | 29. Flexor hallucis longus | 53. Medial superior genicular artery |
| a. Rectus femoris | 30. Extensor hallucis brevis | 54. Lateral inferior genicular artery |
| b. Vastus medialis | 31. Extensor digitorum brevis | 55. Medial inferior genicular artery |
| c. Vastus lateralis | 32. Abductor hallucis | 56. Posterior tibial artery |
| d. Vastus intermedius | 33. Flexor hallucis brevis | 57. Anterior tibial artery |
| e. Common tendon of quadriceps muscles | 34. Abductor digiti minimi | 58. Peroneal artery |
| 12. Pectineus | 35. Flexor digiti minimi | |
| 13. Adductor longus | 36. Flexor digitorum brevis | |
| 14. Adductor magnus | 37. Lumbrical | |
| 15. Gracilis | 38. Dorsal interosseous muscles of foot | |
| 16. Semitendinosus | 39. External iliac artery | |
| 17. Semimembranosus | a. External iliac vein | |
| 18. Biceps femoris | 40. Internal iliac artery | |
| 19. Tibialis anterior | | |

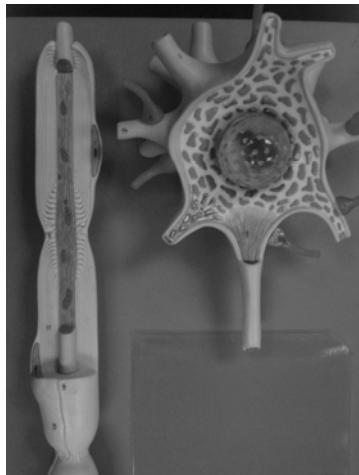
Microanatomy of Muscle Fiber (neuromuscular junction)



- | | |
|-----------------------------------|--------------------------------|
| 1. Myofibrils | 11. Myosin filament |
| 2. Mitochondrion | 12. Myelin sheath |
| 3. Postsynaptic membrane | 13. Neurofibers |
| 4. Synaptic gap with basal lamina | 14. Cell membrane (sarcolemma) |
| 5. Presynaptic membrane | 15. Transverse membrane tube |
| 6. Presynaptic vesicle | 16. Triad |
| 7. Schwann cell | 17. Sarcoplasmic reticulum |
| 8. Nucleus | 18. Basal lamina |
| 9. Actin filament | 19. Reticular fibers |
| 10. Sarcomere | |

Unit 2

Neuron



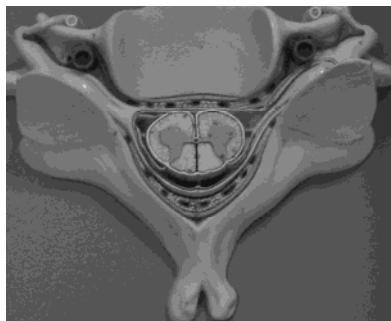
- A. Perikaryon of neuron with dendrites
- B. Peripheral nerve with sheaths
- 1. Neurite (axon) cone
- 2. Nucleus of neuron with nucleolus
- 3. Nissl bodies
- 4. Neurofibrils
- 5. Synaptic knobs (terminals)
- 6. Axon
- 7. Schwann cell with nucleus
- 8. Neurilemma (Schwann sheath)
- 9. Node of Ranvier
- 10. Mitochondria
- 11. Myelin sheath
- 12. Perineural sheath of connective tissue
- 13. Mesaxon
- 14. Dendrites

Origin of Nerves in Spinal Cord



- A. Section through spinal cord enlarged approx. 10 times
- B. Piece of spinal cord with nerves enlarged approx 5 times
- 1. Gray substance
- 2. Anterior column
- 3. Lateral column
- 4. Gray commissure
- 5. Anterior radicular filaments
- 6. Posterior radicular filaments
- 7. White substance
- 8. Anterior median fissure
- 9. Posterior median sulcus
- 10a. Anterior lateral sulcus
- 10b. Posterior lateral sulcus
- 11. Outlet of nerve bundles
- 12. Gray substance
- 13. Radicular filaments
- 14. Gray commissure
- 15. Central canal
- 16. White substance
- 17. Anterior column
- 18. Lateral column
- 19. Anterior median fissure
- 20. Posterior median sulcus
- 21. Ganglion
- 22. Anterior funicle
- 23. Lateral funicle
- 24. Posterior funicle

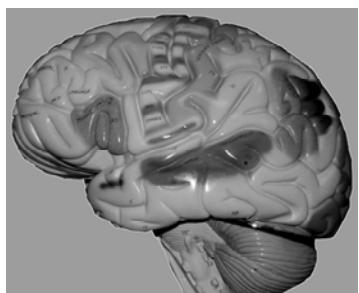
Cervical vertebrae with Spinal Cord



1. Body of vertebrae
2. Transverse process
3. Vertebral arch
4. Spinous process
5. Yellow ligament
6. Posterior longitudinal ligament
7. Vertebral artery

8. Vertebral vein
9. Dura mater
10. Epidural cavity
11. Subdural cavity
12. Arachnoid mater
13. Subarachnoid cavity
14. Internal vertebral venous plexus
15. Denticulate ligament
16. Subarachnoid septum of spinal cord
17. Ventral root of cervical nerve
18. Dorsal root of cervical nerve
19. Spinal ganglion
20. Anterior ramus of nerve
21. Posterior ramus of nerve
22. Sympathetic trunk
23. Ramus communicans between sympathetic trunk & spinal nerve
24. Pia mater
25. Anterior median fissure
26. Anterior lateral sulcus
27. Posterior lateral sulcus
28. Posterior median fissure
29. Posterior glial septum
30. Anterior funiculus
31. Lateral funiculus
32. Posterior funiculus
33. White matter
34. Gray matter
35. Central canal
36. Anterior column
37. Lateral column
38. Posterior column

Giant brain

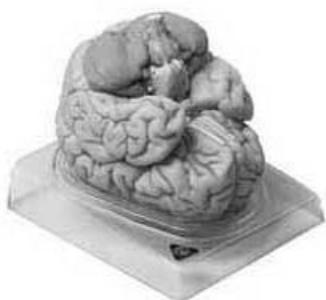


1. a. Motor area (somatomotor cortex)
b. Sensory area (somatosensory cortex)
2. Frontal lobe
3. Temporal lobe
4. Parietal lobe
5. Occipital lobe
6. Left hemisphere of cerebellum
7. Superior frontal gyrus
8. Middle frontal gyrus
9. Interior frontal gyrus
10. Pericentral gyrus (somatomotor cortex)
11. Postcentral gyrus (somatosensory cortex)
12. Superior parietal lobule
13. Inferior parietal lobule

14. Lateral occipital gyri
15. Superior temporal gyrus
16. Middle temporal gyrus
17. Inferior temporal gyrus
18. Superior frontal sulcus
19. Precentral sulcus
20. Central sulcus
21. Postcentral sulcus
22. Intraparietal sulcus
23. Transverse occipital sulcus
24. Lateral occipital sulcus
25. Parieto-occipital sulcus
26. Superior temporal sulcus
27. Middle temporal sulcus
28. Lateral cerebral sulcus (Sylvian fissure)
29. Anterior horizontal ramus of Sylvian fissure
30. Anterior ascending ramus of Sylvian fissure
31. Posterior ramus of Sylvian fissure
32. Inferior temporal gyrus
33. Paracentral lobule
34. Precuneus
35. Cuneus
36. Calcarine sulcus
37. Cingulate gyrus
38. Cingulate sulcus
39. Subfrontal part of cingulate sulcus
40. Sulcus of corpus callosum
41. Body of corpus callosum
42. Genu of corpus callosum
43. Splenium of corpus callosum
44. Septum pellucidum
45. Body of fornix
46. Anterior commissure
47. Intermediate mass
48. Posterior commissure
49. Thalamus
50. Foramen of Munro
51. Hypothalamic sulcus
52. Lamina terminalis
53. Optic chiasma
54. Pineal gland
55. Pineal recess
56. Corpora quadrigemina
57. Aqueduct of Sylvius (cerebral aqueduct)
58. Superior medullary vellum
59. Fourth ventricle
60. Central canal of medulla oblongata
61. Arbor vitae
62. Vermis of cerebellum

- | | | |
|---|---|---|
| 63. Medulla oblongata | 90. Fimbria fornicis | 112. Optic nerve (cranial nerve II) |
| 64. Medial longitudinal fasciculus | 91. Anterior perforated substance | 113. Cavity of third ventricle |
| 65. Pons | 92. Olfactory tract | 114. Oculomotor nerve (cranial nerve III) |
| 66. Longitudinal fibers of pons | 93. Stria lateralis of olfactory tract | 115. Pituitary gland |
| 67. Cerebral peduncle | 94. Stria medialis & intermedia of olfactory tract | 116. Trochlear nerve (cranial nerve IV) |
| 68. Tuber cinereum | 95. Branches of internal carotid artery and vena terminalis | 117. Trigeminal nerve (cranial nerve V) |
| 69. Mamillary body | 96. Lentiform nucleus | 118. Abducens nerve (cranial nerve VI) |
| 70. Interpeduncular recess | 97. Corona radiate | 119. Facial nerve (cranial nerve VII) |
| 71. Optic recess | 98. Caudate nucleus | 120. Vestibulocochlear nerve (cranial nerve VIII) |
| 72. Infundibular recess | 99. Stria terminalis | 121. Glossopharyngeal nerve (cranial nerve IX) |
| 73. Basal surface | 100. Superior colliculi of corpora quadrigemina | 122. Vagus nerve (cranial nerve X) |
| 74. Orbital gyri | 101. Inferior colliculi of corpora quadrigemina | 123. Accessory nerve (cranial nerve XI) |
| 75. Straight gyrus | 102. Medial geniculate body | 124. Hypoglossal nerve (cranial nerve XII) |
| 76. Fusiform gyrus | 103. Lateral geniculate body | |
| 77. Lingual gyrus | 104. Lateral sulcus of mesencephalon | |
| 78. Hippocampal gyrus | 105. Trigonum of lemniscus | |
| 79. Uncus | 106. Frenulum of vellum | |
| 80. Internal capsule | 107. Brachium of superior quadrigeminal body | |
| 81. External capsule | 108. Brachium of inferior quadrigeminal body | |
| 82. Fibers forming corona radiate | 109. Pulvinar of thalamus | |
| 83. Inferior surface of corpus callosum | 110. Posterior perforated substance | |
| 84. Short gyri of insula | 111. Optic tract | |
| 85. Fibers of corpus | | |
| 86. Insula | | |
| 87. Claustrum | | |
| 88. Lateral ventricle (anterior horn) | | |
| 89. Lateral ventricle (posterior horn) | | |

Human Brain – Somso



- A. Cerebrum
- B. Cerebellum
- C. Mid-brain
- D. Pons
- E. Medulla oblongata
- F. Frontal lobe
- G. Parietal lobe

- | | |
|---------------------------------|---------------------------------------|
| H. Temporal lobe | o. Corpus callosum |
| I. Occipital lobe | p. Knee of corpus callosum |
| J. Lateral sulcus | q. Rostrum of corpus callosum |
| a. Grey substance of the pons | r. Septum pellucidum |
| b. Central canal of spinal cord | s. Splenium of corpus callosum |
| c. Arbor vitae | |
| d. Fourth ventricle | 1. Corpus callosum |
| e. Cerebral aqueduct of Sylvius | 2. Anterior horn of lateral ventricle |
| f. Anterior medullary velum | 3. Posterior horn |
| g. Third ventricle | 4. Inferior horn |
| h. Anterior commissure | 5. Hippocampus major |
| i. Tectum of mid-brain | 6. Interventricular foramen |
| k. Posterior commissure | 7. Arbor vitae |
| l. Fornix | 8. Vermis |
| m. Mamillary body | 9. Hemispheres |
| n. Interventricular foramen | |

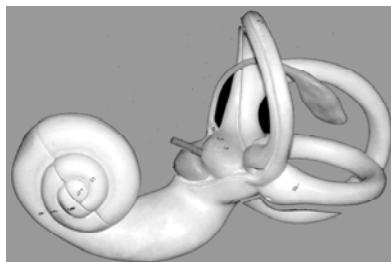
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|--------------------------------|--|------------------------------------|
| 10. Horizontal fissure | 17. Middle cerebellar peduncles | 23. Posterior longitudinal fissure |
| 11. Tonsil of cerebellum | 18. Fourth ventricle with rhomboid fossa | 24. Fasciculus gracilis |
| 12. Flocculus of cerebellum | 19. Median longitudinal fissure | 25. Tuberculum nuclei gracilis |
| 13. Peduncle of flocculus | 20. Pyramids | 26. Posterior intermediate sulcus |
| 14. Dorsal tectum of midbrain | 21. Olive | 27. Fasciculus cuneatus |
| 15. Ventral cerebral peduncles | 22. Decussation of pyramids | |
| 16. Medial longitudinal groove | | |

Eye Model



- | | |
|---------------------------|---------------------------------------|
| 1. Superior rectus muscle | 13. Pupil |
| 2. Sclera | 14. Ciliary muscle |
| 3. Choroid layer | 15. Interior rectus muscle |
| 4. Retina | 16. Optic nerve |
| 5. Vitreous body | 17. Blind spot |
| 6. Conjunctiva | 18. Yellow spot |
| 7. Ciliary body | 19. Internal rectus muscle |
| 8. Suspensory ligament | 20. External rectus muscle |
| 9. Iris | 21. Tendon of superior oblique muscle |
| 10. Cornea | 22. Inferior oblique muscle |
| 11. Aqueous humor | 23. Lacrimal gland |
| 12. Lens | |

Labyrinth



- A. Osseous labyrinth
- B. Membraneous labyrinth
- 1. Vestibule
 - a) Oval window
 - b) Round window
 - c) secondary tympanic membrane
- 2. Lateral semicircular canal
- 3. Superior semicircular canal

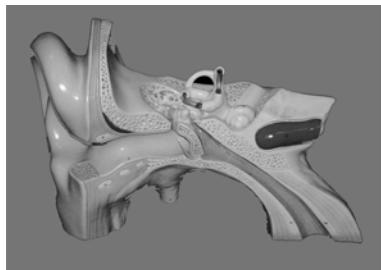
- 4. Posterior semicircular canal
At end of each semicircular canal
 - d) osseous ampul
- 5. Cochlea
 - e) basal turn
 - f) central turn
 - g) pointed turn
 - h) cupola
 - i) modiolus
 - k) osseous spiral lamina
 - l) spiral hamulus of lamina
- 6. Anterior semicircular duct
- 7. Posterior semicircular duct
 - k) common crus of anterior & posterior semicircular duct
- 8. Utricle
- 9. Saccule
- 10. Endolymphatic duct
- 11. Utriculossacular duct
 - l) membranous spiral lamina
 - m) vestibular wall of cochlear duct
 - n) scala of vestibule
 - o) scala of tympanum
 - p) cochlear duct
- 12. Vestibulocochlear nerve
- 13. Cochlear nerve
- 14. Vestibular nerve

Labyrinth with ossicles and tympanic membrane



1. Tympanic membrane
2. Tympanic ring
3. Malleus
4. Incus
5. Stapes
6. Lenticular process
7. Tensor muscle of tympanum
8. Vestibule
9. Oval window
10. Round window
11. External semicircular canal
 - a. Lateral osseous ampul
12. Upper semicircular canal
 - a. Anterior osseous ampul
13. Posterior semicircular canal
 - a. Posterior osseous ampul
14. Cochlea
15. Vestibulocochlear nerve
16. Scala vestibule
17. Scala tympani
18. Cochlear duct

External Ear



External Ear

1. External auditory canal
2. Tympanic membrane
3. Tympanic ring

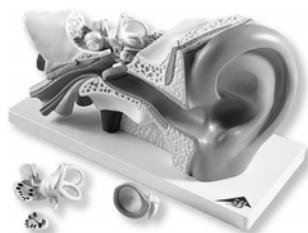
Middle Ear

4. Tympanum
5. Position where auditory tube enters tympanum
6. Opening of auditory tube
7. Malleus
8. Incus
9. Stapes
10. Lentiform nodule of incus
11. Cord of tympanum
12. Tensor muscle of tympanum

Inner Ear

13. Vestibule
14. Fenestra vestibuli
15. Promontory
16. Fenestra cochleae
17. External semicircular canal
18. Anterior semicircular canal
19. Posterior semicircular canal
20. Cochlea
21. Vestibulocochlear nerve
22. Vestibular canal
23. Tympanic canal
24. Duct of cochlea
25. Location of organ of Corti

Ear - 3B Model

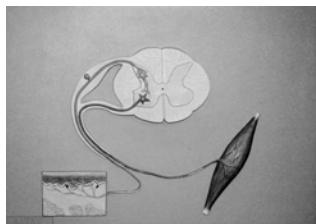


- A External ear
1. Auricle
 2. External acoustic meatus
 3. Tympanic membrane
 4. Fibrocartilaginous ring
- B Middle ear
5. Tympanic cavity

6. Tensor tympani muscle
7. Pharyngotympanic tube
8. Malleus
 - a. Head of malleus
 - b. Handle of malleus
 - c. Anterior process
9. Incus
 - a. Short limb of incus
 - b. Long limb of incus
10. Lenticular process
11. Stapes
 - a. Head of stapes
 - b. Posterior limb
 - c. Base of stapes

- C Internal ear
12. Vestibule
 13. Oval window
 14. Round window
 15. Lateral semicircular canal
 - a. Lateral bony ampulla
 16. Anterior semicircular canal
 - b. Anterior bony ampulla
 17. Posterior semicircular canal
 - c. Posterior bony ampulla
 18. Cochlea
 19. Vestibulocochlear nerve
 20. Internal carotid artery
 21. Tensor veli palatini

Reflex Arc

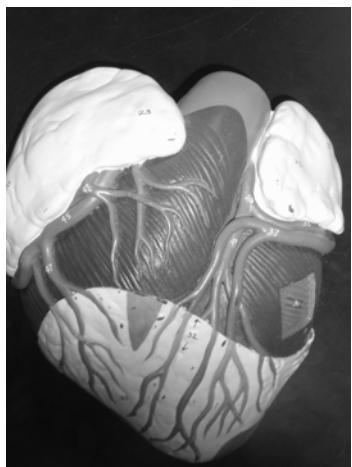


1. Receptor
2. Afferent neuron
3. Interneuron
4. Efferent neuron
5. Effector

Unit 3

Key to abbreviations: R. = right; L.=left; a.=artery; v.=vein

Nystrom Enlarged Heart



1. R. brachiocephalic (innominate) v.
2. L. brachiocephalic (innominate) v.
3. Superior vena cava
4. Ascending aorta
5. Arch of aorta
6. Brachiocephalic (innominate) a.
7. L. common carotid a.
8. L. subclavian a.
9. Descending aorta
10. Pulmonary trunk
11. R. pulmonary a.
12. L. pulmonary a.
13. Ligamentum arteriosum
14. Trachea
15. Bifurcation of trachea

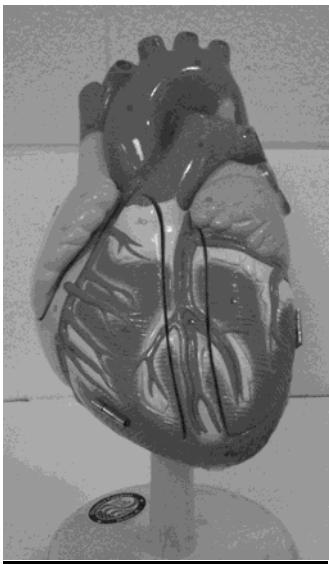
16. R. bronchus
17. L. bronchus
18. R. pulmonary v.s
19. L. pulmonary v.s
20. Inferior vena cava
21. R. atrium
22. Sulcus terminalis
23. R. auricle
24. R. ventricle
25. L. auricle
26. L. atrium
27. Coronary sulcus
28. L. ventricle
29. Superficial muscle of L. ventricle
30. Deep muscle layer of L. ventricle
31. Fat enclosed between epicardium & myocardium
32. Anterior longitudinal sulcus
33. Posterior longitudinal sulcus
34. Apex of heart
35. Base of heart
36. Coronary sinus
37. Great cardiac v.
38. Small cardiac v.
39. Middle cardiac v.
40. Posterior v. of L. ventricle
41. Oblique v.
42. Anterior cardiac v.s
43. Orifice of R. coronary a.
44. Orifice of L. coronary a.
45. R. coronary a.
46. Posterior descending a.
47. Marginal a.
48. L. coronary a.
49. Anterior descending a.
50. Circumflex a.
51. Orifice of superior vena cava
52. Orifice of inferior vena cava
53. Orifice of coronary sinus
54. Fossa ovalis
55. Limbus fossae ovalis
56. Tricuspid valve
57. Endocardium
58. Papillary muscles
59. Chordate tendineae
60. Trabeculae carneae
61. Moderator band
62. Conus arteriosus
63. Pulmonary semilunar valve
64. Orifice of R. pulmonary v.s
65. Orifice of L. pulmonary v.s
66. Pectinate muscles of L. auricle
67. Bicuspid (mitral) valve
68. Muscular part of interventricular septum
69. Membranous part of interventricular septum
70. Aortic semilunar valve
71. Wall of L. ventricle
72. Wall of R. ventricle
73. Sinoatrial (SA) node
74. Atrioventricular (AV) node
75. Atrioventricular bundle
76. R. bundle branch
77. L. bundle branch
78. Purkinje fibers

Don Jake Saunders Heart Model



- | | | |
|---|---|---|
| 1. R. ventricle | 29. Circumflex a. | 70. Septal (medial) papillary muscle |
| 2. L. ventricle | 30. Anterior descending a. (L. coronary a.) | 71. Parietal band |
| 3. Auricle of R. atrium | a. Diagonal branch of L. coronary a. | 72. Anterior cusp (tricuspid valve) |
| 4. Auricle of L. atrium | 31. Great cardiac v. | 73. Septal (medial) cusp (tricuspid valve) |
| 5. Aorta | 32. Anterior cardiac v.s | 74. Posterior cusp (tricuspid valve) |
| 6. Pulmonary trunk | 33. Small cardiac v. | 75. Chordae tendineae |
| 7. Brachiocephalic (innominate) v. | 34. Coronary sinus | 76. Anterior papillary muscle |
| 8. Superior vena cava | 35. Posterior v. of L. ventricle | 77. Posterior papillary muscle |
| 9. Brachiocephalic trunk (innominate a.) | 36. Oblique v. of L. atrium | 78. Anterior cusp (bicuspid valve) |
| 10. Common carotid a. | 37. Middle cardiac v. | 79. Posterior cusp (bicuspid valve) |
| 11. Subclavian a. | 38. L. vagus nerve | 80. Aortic valve |
| 12. L. pulmonary a. | 39. R. vagus nerve | 81. Fossa ovalis |
| 13. Ligamentum arteriosum | 40. Recurrent laryngeal nerve | 82. Valve of inferior vena cava |
| 14. Thyrocervical trunk | 41. L. vagal cardiac nerves | 83. Orifice of coronary sinus |
| 15. External jugular v. | 42. L. sympathetic cardiac nerves | 84. Crista terminalis |
| 16. Subclavian v. | 43. R. sympathetic cardiac nerves | 85. Taenia sagittalis |
| 17. Internal jugular v. | 44. Thoracic duct | 86. Sinoatrial (SA) node |
| 18. Internal thoracic a. | 45. Esophagus | 87. Bachmann's bundle |
| 19. Internal thoracic v. | 46. Trachea | 88. Posterior intermodal tract |
| 20. Inferior thyroid v. | 47. R. bronchus | 89. Pectinate muscle |
| 21. Vertebral a. | 48. L. bronchus | 90. Anterior intermodal tract |
| 22. Vertebral v. | 49. R. pulmonary a. | 91. Middle intermodal tract |
| 23. R. coronary a. | 50. L. pulmonary v.s | 92. Valve of foramen ovale |
| 24. Anterior R. atrial branch (R. coronary a.) | 51. R. pulmonary v.s | 93. Tricuspid valve |
| 25. Superior vena caval (nodal) branch (R. atrial a.) | 52. Azygos v. | 94. Bicuspid (mitral) valve |
| 26. R. marginal a. | 53. Superior intercostals v. | 95. L. atrium |
| 27. Posterior interventricular a. | 54. Posterior intercostals arteries | 96. R. atrium |
| 28. L. coronary a. | 55. Tracheal lymph nodes | 97. Muscular interventricular septum |
| | 56. Inferior tracheobronchial lymph nodes | 98. Membranous septum (interventricular part) |
| | 57. Internal jugular lymph nodes | 99. Membranous septum (atrioventricular part) |
| | 58. Anterior mediastinal lymph nodes | 100. Atrioventricular (AV) node |
| | 59. Antrioventricular bundle (of His) | 101. Anterior cusp - pulmonic valve |
| | 60. Inferior vena cava | 102. R. cusp - pulmonic valve |
| | 61. Supraventricular crest | 103. L. cusp - pulmonic valve |
| | 62. Septal band | 104. R. (coronary) cusp - aortic valve |
| | 63. Moderator band | 105. L. (coronary) cusp - aortic valve |
| | 64. Trabeculae carneae | 106. Posterior (non-coronary) cusp - aortic valve |
| | 65. Conus arteriosus (infundibulum) | 107. L. bundle branch |
| | 66. Pulmonic valve | 108. Purkinje fibers |
| | 67. R. bundle branch | |
| | 68. Posterior papillary muscle | |
| | 69. Anterior papillary muscle | |

Heart of America



1. R. atrium
2. R. auricle
3. Coronary sulcus
4. R. ventricle
5. Anterior interventricular sulcus
6. L. ventricle
7. L. atrium
8. Pulmonary v.s

9. Pulmonary trunk
 - a. R. pulmonary a.
 - b. L. pulmonary a.
10. Ligamentum arteriosum
11. Ascending aorta
12. Aortic arch
13. Brachiocephalic trunk
14. L. common carotid a.
15. L. subclavian a.
16. Superior vena cava
17. R. brachiocephalic v.
18. L. brachiocephalic v.
19. Descending aorta
20. Esophagus
21. Trachea
22. Annular ligament
23. Tracheal cartilages
24. L. bronchus
25. R. bronchus
26. Inferior vena cava
27. Coronary sinus
28. Great cardiac v.
29. L. coronary a.
30. Fatty tissue
31. R. coronary a.
32. Sinoatrial node
33. Orifice of inferior vena cava
34. Valve of inferior vena cava
35. Tricuspid valve
36. Atrioventricular node
37. Pulmonary valve
38. R. bundle branch
39. Purkinje fibers
40. Chordate tendineae
41. Bicuspid (mitral) valve
42. Papillary muscles
43. L. bundle branch
44. Interventricular septum
45. Aortic valve
46. Small cardiac v.
47. Posterior v. of L. ventricle
48. Apex of heart
49. Circumflex a.
50. Anterior descending a.
(anterior interventricular a.)
51. L. auricle
52. Pectinate muscle
53. Crista terminalis
54. Posterior L. ventricular a.
55. Fossa ovalis
56. Limbus of fossa ovalis
57. Valve of coronary sinus
58. Opening of coronary sinus
59. Azygous v.
60. Middle cardiac v.
61. Posterior interventricular a.
62. Trabeculae carneae
63. Marginal a.

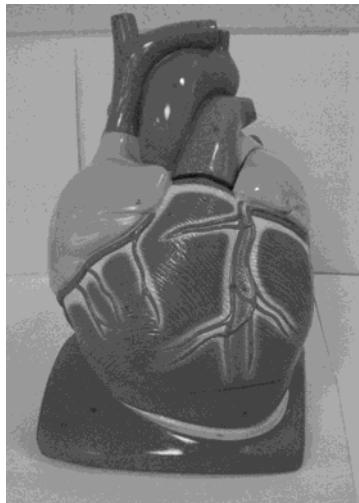
Autographed Anatomy Heart Model

Looks like heart of America
but the atria are white not blue

1. Right atrium
2. Right auricle
3. Superior vena cava
4. Brachiocephalic vein (right 4R; left 4L)
5. Inferior vena cava
6. Right ventricle
7. Pulmonary trunk
8. Pulmonary arteries (right 8R; left 8L)
9. Left atrium
10. Left auricle

11. Pulmonary veins (right 11R; left 11L)
12. Left ventricle
13. Ascending aorta
14. Aortic arch
15. Brachiocephalic trunk/artery
16. Left common carotid artery
17. Left subclavian artery
18. Ligamentum arteriosum
19. Descending aorta
20. Esophagus
21. Trachea
22. Tracheal cartilage
23. Bronchus (right 23R; left 23L)
24. Coronary artery (right 24R; left 24L)
25. Great cardiac vein
26. Coronary sinus
27. Fatty tissue
28. Orifice of inferior vena cava
29. Opening of coronary sinus
30. Limbus of fossa ovalis
31. Fossa ovalis
32. Sinoatrial node
33. Atrioventricular node
34. Tricuspid valve
35. Chordae tendineae
36. Pulmonary valve
37. Papillary muscles
38. Bicuspid (mitral) valve
39. Aortic valve

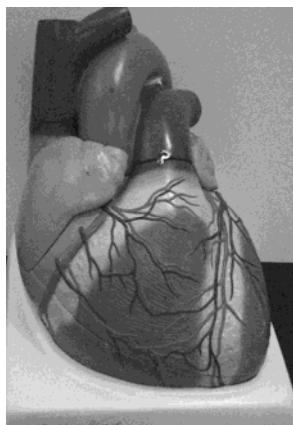
Heart with Pericardium and Diaphragm



1. Right atrium
2. Right auricle
3. Right ventricle
4. Left atrium
5. Left auricle
6. Left ventricle
7. Superior vena cava
8. Inferior vena cava
9. Left brachiocephalic (innominate) vein
10. Right brachiocephalic (innominate) vein
11. Ascending aorta

12. Aortic arch
13. Left subclavian artery
14. Left common carotid artery
15. Brachiocephalic trunk (innominate artery)
16. Azygous vein
17. Conus arteriosus
18. Pulmonary trunk
19. Left pulmonary arteries
20. Right pulmonary arteries
21. Left pulmonary veins
22. Right pulmonary veins
23. Left coronary artery
24. Left anterior descending coronary artery)
25. Circumflex artery
26. Right coronary artery
27. Great cardiac vein
28. Coronary sinus
29. Coronary sulcus
30. Anterior interventricular sulcus
31. Apex of heart
32. Esophagus
33. Trachea
34. Bifurcation of trachea (esophagus is covering the point of bifurcation)
35. Cartilaginous rings
36. Lower portion of pericardium
37. Diaphragm
38. Central tendon of diaphragm
39. Aortic hiatus
40. Esophageal hiatus
41. Vena cava foramen
42. Descending aorta
43. Interior of right atrium
44. Interior of right auricle
45. Orifice of superior vena cava
46. Orifice of inferior vena cava
47. Tricuspid valve (right AV valve)
48. Septal papillary muscle
49. Chordae tendineae
50. Posterior papillary muscle
51. Interventricular sputum
52. Trabeculae carneae
53. Pulmonary (semilunar) valve
54. Interior of left atrium
55. Interior of left auricle
56. Orifices of pulmonary veins
57. Mitral (bicuspid) valve (left AV valve)
58. Anterior papillary muscle
59. Aortic (semilunar) valve
60. Myocardium

Altay heart



1. Right atrium
2. Right auricle
3. Superior vena cava
4. Inferior vena cava
5. Pectinate muscles

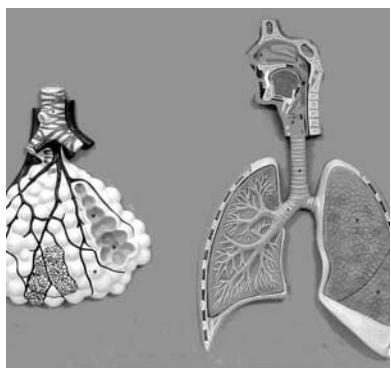
6. Fossa ovalis
7. Opening of coronary sinus
8. Right atrioventricular orifice
9. Right ventricle
10. Conus arteriosus
11. Pulmonary trunk
12. Ligamentum arteriosum
13. Left pulmonary artery
14. Right pulmonary artery
15. Tricuspid valve
16. Moderator band
17. Papillary muscles
18. Left atrium
19. Pulmonary vein
20. Left auricle
21. Left atrioventricular orifice
22. Left ventricle
23. Anterior papillary muscle
24. Mitral valve
25. Aortic valve
26. Pulmonary valve
27. Aorta
28. Interatrial septum
29. Interventricular septum
30. Right coronary artery
31. Right marginal branch
32. Posterior interventricular branch
33. Left coronary artery
34. Anterior interventricular branch
35. Circumflex branch
36. Great cardiac vein
37. Coronary sinus
38. Middle cardiac vein
39. Small cardiac vein
40. Anterior cardiac vein

Larynx



1. Cuneiform cartilage
2. Tracheal cartilages
3. Middle thyrohyoid ligament
4. Lateral thyrohyoid ligament
5. Joint capsule between horn of thyroid & cricoid cartilage
6. Crico-thyroid ligament
7. Cricotracheal ligament
8. Annular ligament of trachea
9. Posterior membranous wall of trachea
10. Cuneiform cartilage
11. Tracheal cartilages
12. Middle thyrohyoid ligament
13. Lateral thyrohyoid ligament
14. Joint capsule between horn of thyroid & cricoid cartilage
15. Crico-thyroid ligament
16. Cricotracheal ligament
17. Annular ligament of trachea
18. Posterior membranous wall of trachea
23. Epiglottis
24. Hyoepiglottic ligament
25. Thyo-epiglottic ligament
26. Sinus of larynx
27. Vestibular fold
28. Vocal fold
29. Vocal muscle
30. Mucous membrane of trachea
31. Ary-epiglottic folds
32. Piriform fossa

Human Respiratory System with magnified alveolus



1. Nasal cavity
2. Nasopharynx
3. Oropharynx
4. Laryngopharynx
5. Laryngeal cavity
6. Trachea
7. Left main bronchus
8. Right main bronchus
9. Lobar bronchus
10. Superior lobe
11. Inferior lobe
12. Terminal bronchiole
13. Respiratory bronchiole
14. Alveolar ducts
15. Alveolar sacs
16. Pulmonary alveoli
17. Pulmonary artery
18. Pulmonary vein
19. Capillary plexuses

Lymphatic System



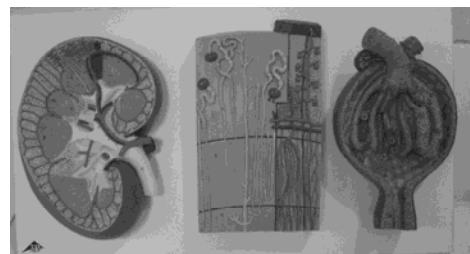
1. Occipital lymph nodes
 2. Superficial cervical lymph nodes
 3. Cubital lymph nodes
 4. Deep cervical lymph nodes
 5. Axillary lymph nodes
 6. Right lymphatic duct
 7. Tracheobronchial lymph nodes
 8. Hepatic lymph nodes
 9. Celiac lymph nodes
 10. Common iliac lymph nodes
 11. Inguinal lymph nodes
 12. Parotid gland lymph nodes
 13. Submandibular lymph nodes
 14. Submental lymph nodes
 15. Jugular trunk
 16. Thoracic duct
 17. Subclavian trunk
 18. Bronchial lymph nodes
 19. Cisterna chyli
 20. Gastric lymph nodes
 21. Mesenteric lymph nodes
- Vessels and organs
- a. Right venous angle
 - b. Right lung
 - c. Liver
 - d. Gall bladder
 - e. Portal vein
 - f. Cecum with appendix vermiformis
 - g. Bifurcation of trachea
 - h. Stomach
 - i. Transverse colon

Unit 4

Large Kidney

- | | | |
|------------------|-----------------|--------------------|
| A. Renal medulla | 2. Renal artery | 5. Calyces |
| B. Renal cortex | 3. Ureter | 6. Renal papillae |
| 1. Renal vein | 4. Renal pelvis | 7. Renal pyramid |
| | | 8. Collecting duct |

Kidney Section, Nephrons, Blood Vessels and Renal Corpuscle



KIDNEY SECTION

- A. Renal cortex
- B. Renal medulla
1. Renal vein
2. Renal artery
3. Arcuate veins
4. Arcuate arteries
5. Vascular plexus
6. Interlobular vein
7. Interlobular artery
8. Afferent glomerular arteriole

10. Ureter
11. Renal pelvis
12. Major calices
13. Openings of papillary duct
14. Renal papillae
15. Papillary duct
16. Connecting tubule
17. Henle's loop
18. Proximal part of straight renal tubule
19. Renal corpuscle
20. Renal pyramids
21. Minor renal calices
22. Renal columns

NEPHRON AND BLOOD VESSELS SECTION

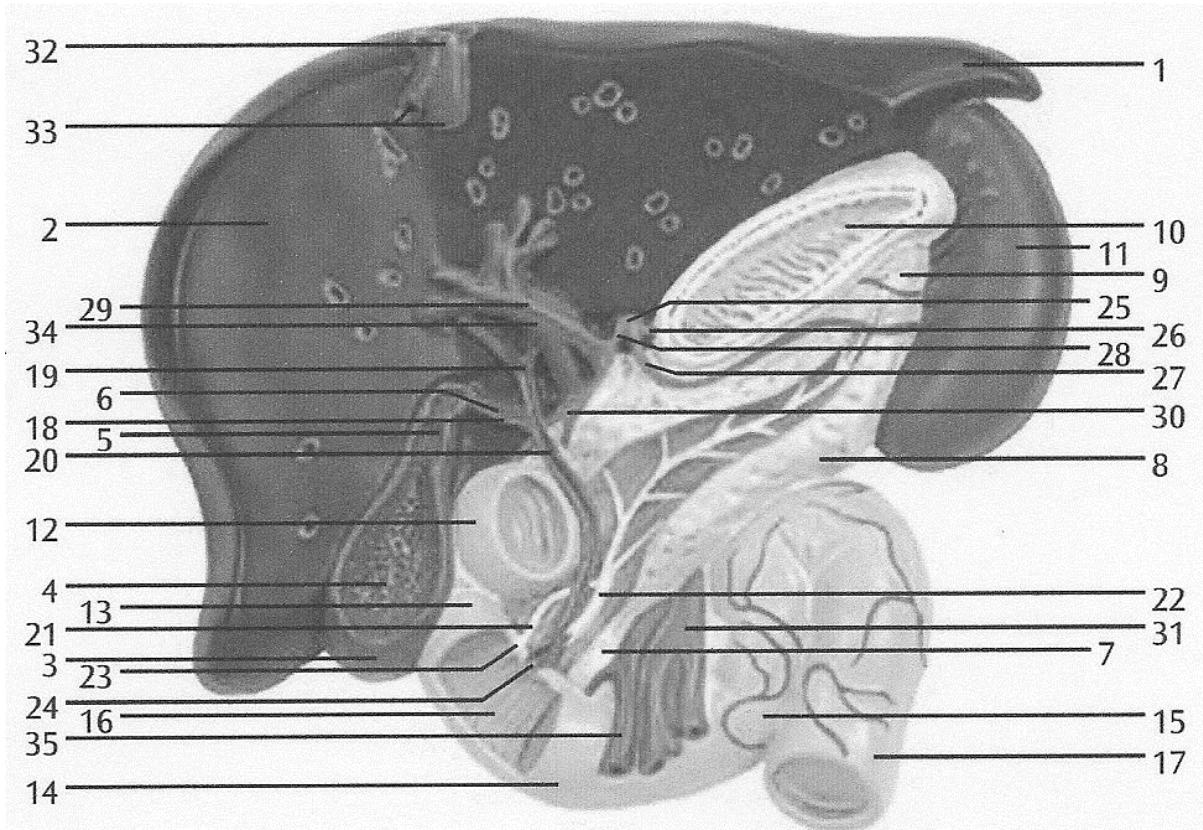
- A. Renal cortex
- B. Renal medulla, outer zone
- C. Renal medulla, inner zone

1. Renal corpuscle
2. Proximal tubule
 - a. Proximal convolution
 - b. Proximal straight tubule
 - c. Henle's loop
3. Distal tubule
4. Collecting tubule
5. Papillary duct
6. Arcuate artery and vein
7. Interlobular artery and vein
8. Afferent glomerular arteriole
9. Efferent glomerular arteriole
10. Glomerulus

RENAL CORPUSCLE

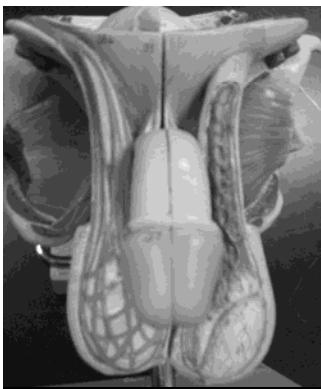
- | | | |
|----------------------------------|----------------------------------|--------------------|
| 1. Afferent glomerular arteriole | 3. Efferent glomerular arteriole | 6. Proximal tubule |
| 2. Glomerulus | 4. Podocyte | 7. Distal tubule |
| | 5. Bowman's capsule | |

Liver - Gall Bladder - Pancreas - Duodenum



- | | | |
|-------------------------------|---------------------------------|--------------------------------|
| 1. Left lobe of liver | 13. Inferior part of duodenum | 25. Celiac trunk |
| 2. Right lobe of liver | 14. Horizontal part of duodenum | 26. Left gastric artery |
| 3. Fundus of gallbladder | 15. Ascending part of duodenum | 27. Splenic artery |
| 4. Body of gallbladder | 16. Circular folds | 28. Common hepatic artery |
| 5. Neck of gallbladder | 17. Jejunum | 29. Hepatic artery proper |
| 6. Spiral fold | 18. Cystic duct | 30. Gastroduodenal artery |
| 7. Head of pancreas | 19. Common hepatic duct | 31. Superior mesenteric artery |
| 8. Body of pancreas | 20. Bile duct | 32. Inferior vena cava |
| 9. Tail of pancreas | 21. Accessory pancreatic duct | 33. Hepatic veins |
| 10. Stomach | 22. Pancreatic duct | 34. Hepatic portal vein |
| 11. Spleen | 23. Minor duodenal papilla | 35. Superior mesenteric vein |
| 12. Superior part of duodenum | 24. Major duodenal papilla | |

Internal & External Male Sexual Organs



- A. Testis
- B. Epididymis
- C. Internal & external coat of testis
- D. Spermatic cord
- E. Seminal vesicle
- F. Prostate
- G. Penis
- H. Scrotum

Testis

- 1. Posterior margin
 - 2. Anterior margin
 - 3. Superior pole
 - 4. Inferior pole
- Epididymis**
- 5. Head of epididymis
 - 6. Body of epididymis
 - 7. Tail of epididymis
 - 8. Lobules of epididymis
 - 9. Canal of epididymis

Internal & external coat of testis

- 10. Internal coat of testis
 - 11. Cremaster muscle
 - 12. External coat of testis
 - 13. Dartos
 - 14. External membrane
- Spermatic cord**
- 15. Spermatic duct
 - 16. Pampiniform plexus
 - 17. Testicular artery

Seminal vesicle

- 18. Excretory duct

Prostate

 - 19. Colliculus seminalis
 - 20. Ejaculatory duct

Penis

- 21. Bulbourethral (Cowper's) gland
- 22. Urethra masculine
- 23. Corpora cavernosa
- 24. Septum penis
- 25. Corpus spongiosum
- 26. Bulb of penis
- 27. Fascia penis profunda
- 28. Prepuce
- 29. Frenulum of prepuce
- 30. Glans penis
- 31. Corona glandis
- 32. Collum glandis

Scrotum

- 33. Septum scrotri

Bladder

- 60. Body
- 61. Apex
- 62. Middle umbilical ligament
- 63. Peritoneum
- 64. Muscles of vesicle
- 65. Interureteric fold
- 66. Ureteral orifice
- 67. Ureter

Female Reproductive System



- 1. Ovary
- 2. Fallopian tube
- 3. Fimbria of Fallopian tube
- 4. Juncture of Fallopian tube with uterus
- 5. Uterus

- 6. Cervix of uterus
- 7. Isthmus of uterus
- 8. Fundus of uterus
- 9. Vagina
- 10. Vaginal opening
- 11. Labium minus
- 12. Labium majus
- 13. Clitoris
- 14. Fornix of uterus
- 15. Recto-uterine pouch of peritoneum

Ovary

- 16. Mature ovum
- 17. Nucleus
- 18. Cytoplasm of ovum
- 19. Zona pellucida
- 20. Granulosal cells of corona radiate

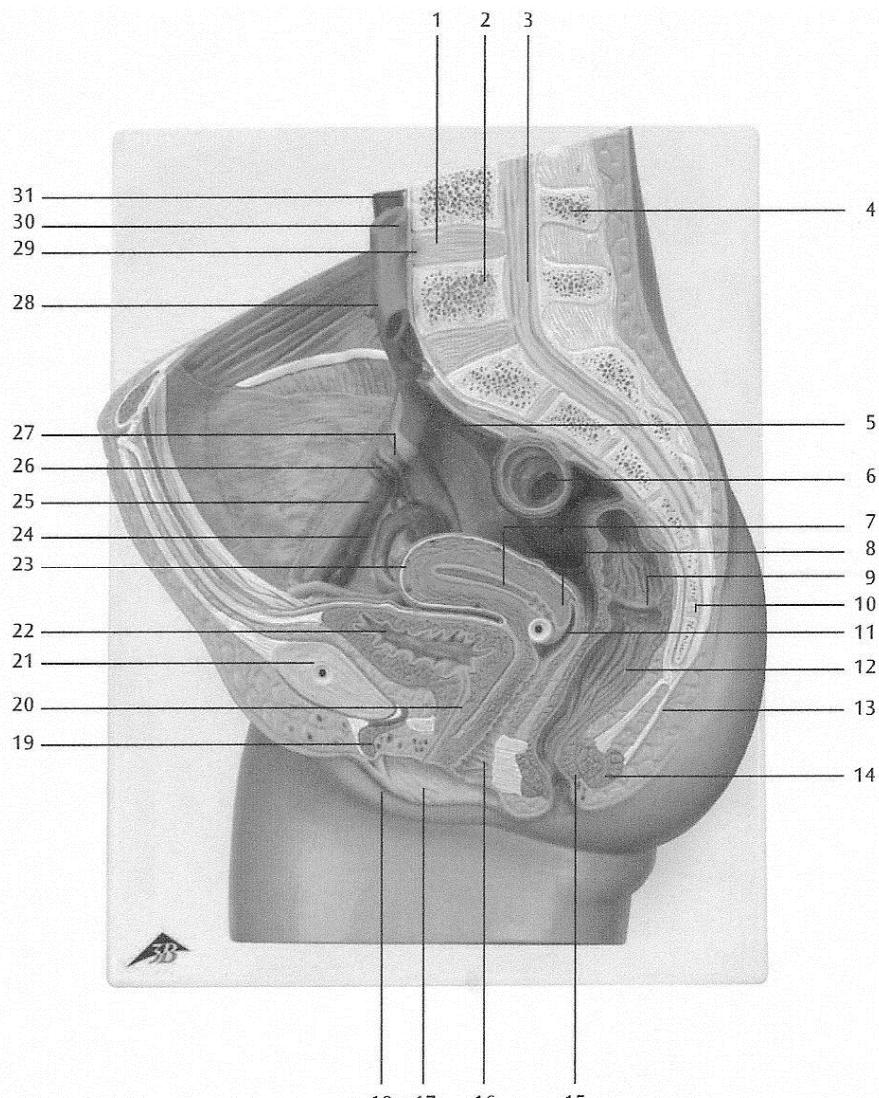
- 21. Urinary bladder
- 22. Urethra
- 23. Urethral opening
- 24. Sigmoid colon
- 25. Rectum
- 26. Anus
- 27. External iliac artery and vein
- 28. Hypogastric artery
- 29. Round ligament
- 30. Ovarian ligament
- 31. Pubic symphysis
- 32. Linea alba
- 33. Sacrum
- 34. Coccyx
- 35. Cauda equina
- 36. Peritoneal cavity

Male Reproductive System

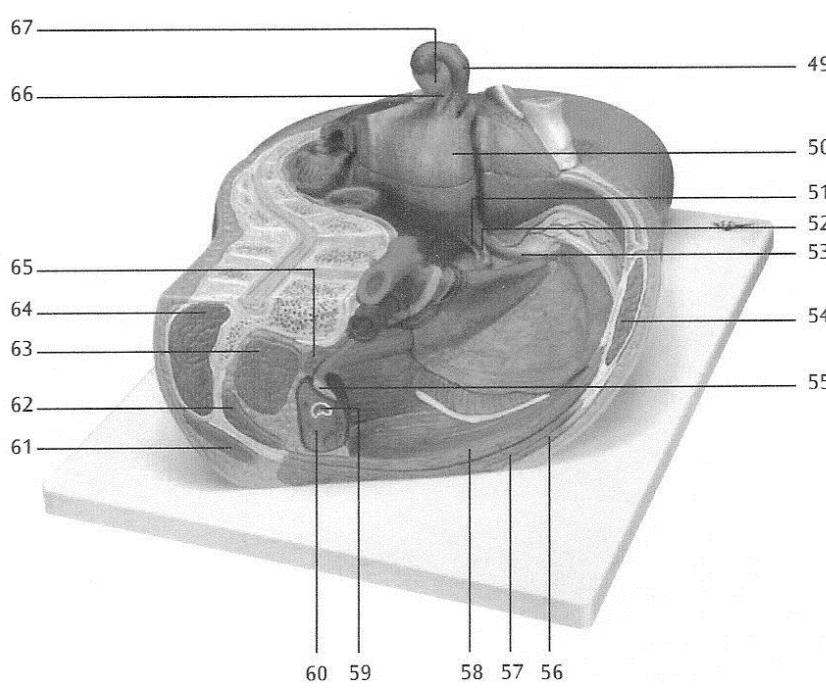
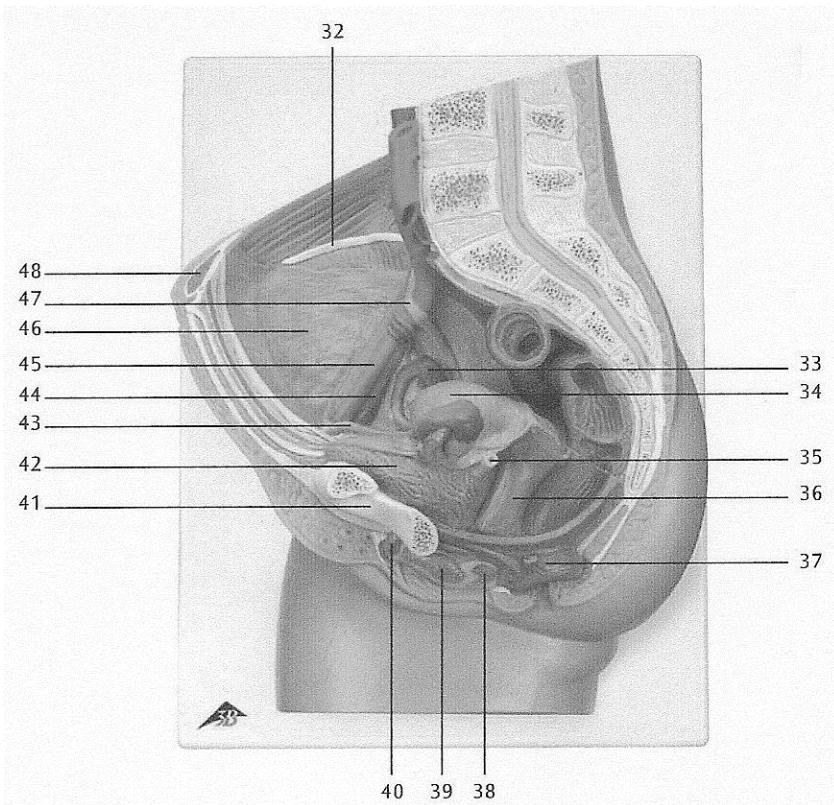


- | | |
|----------------------------------|----------------------------------|
| 1. Testis | 20. Anterior head cap |
| 2. Epididymis | 21. Posterior head cap |
| 3. Ductus deferens | 22. Surface membrane |
| 4. Ampulla of ductus deferens | 23. Neck |
| 5. Seminal vesicle | 24. Body or middle piece |
| 6. Ejaculatory duct | 25. Axial filament |
| 7. Prostate gland | 26. Mitochondria |
| 8. Bulbourethral gland | 27. Tail |
| 9. Urethra | 28. Urinary bladder |
| 10. Penis | 29. Sigmoid colon |
| 11. Corpus cavernosa | 30. Rectum |
| 12. Corpus spongiosum | 31. Anus |
| 13. Glans penis | 32. External iliac artery & vein |
| 14. Fossa navicularis of urethra | 33. Hypogastric artery |
| 15. Prepuce | 34. Pubic symphysis |
| 16. Scrotum | 35. Linea alba |
| Spermatozoon | |
| 17. Head of sperm | 36. Sacrum |
| 18. Nucleus | 37. Coccyx |
| 19. Vacuole | 38. Cauda equine |
| | 39. Peritoneal cavity |

Female Pelvis



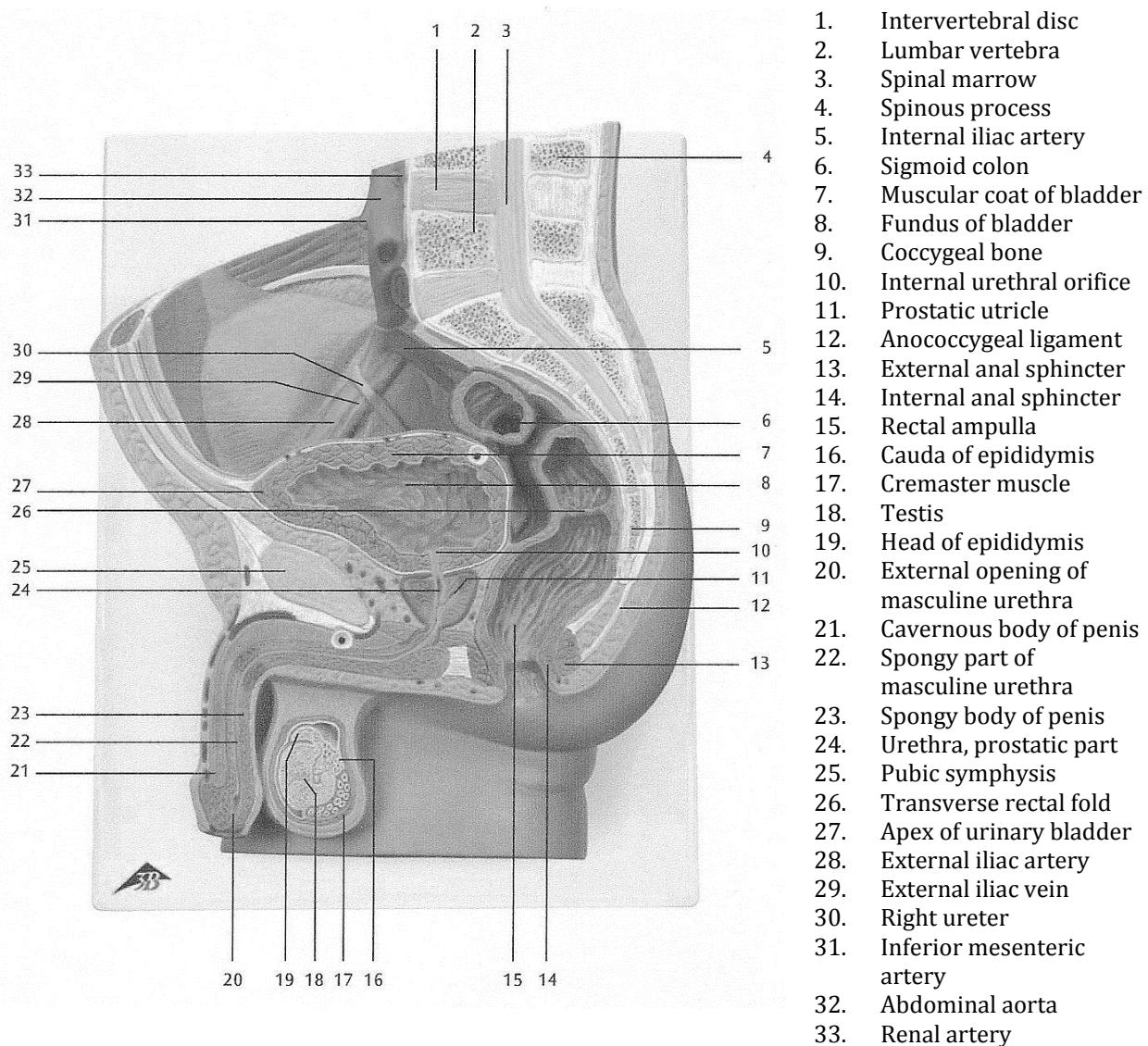
1. Intervertebral disc
2. Lumbar vertebra
3. Spinal marrow
4. Spinous process
5. Internal iliac artery
6. Sigmoid colon
7. Uterine cavity
8. Supravaginal part of cervix uteri
9. Transverse rectal fold
10. Coccygeal bone
11. Opening of uterus
12. Rectal ampulla
13. Anococcygeal ligament
14. External anal sphincter
15. Internal anal sphincter
16. Vagina
17. Lesser pudendal lip
18. Greater pudendal lip
19. Cavernous body of clitoris
20. Feminine urethra
21. Pubic symphysis
22. Bladder
23. Fundus of uterus
24. External iliac vein
25. External iliac artery
26. Ovarian vein
27. Ovarian artery
28. Inferior mesenteric artery
29. Renal artery
30. Abdominal aorta
31. Inferior vena cava

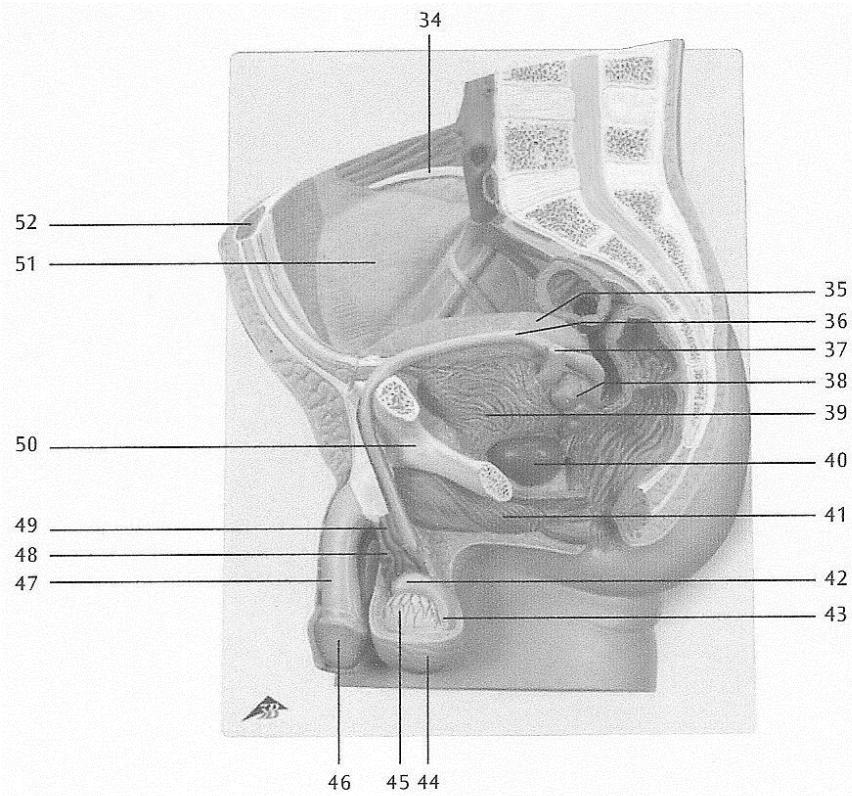


- 32. Crest of ilium
- 33. Ovary
- 34. Intestinal surface of uterus
- 35. Left ureter
- 36. Vagina
- 37. External anal sphincter
- 38. Greater vestibular gland (Bartholini)
- 39. Vestibule of vagina
- 40. Clitoris
- 41. Pubic bone
- 42. Bladder
- 43. Round ligament of uterus
- 44. External iliac vein
- 45. External iliac artery
- 46. Visceral peritoneum
- 47. Right ureter
- 48. Rectus abdominis muscle

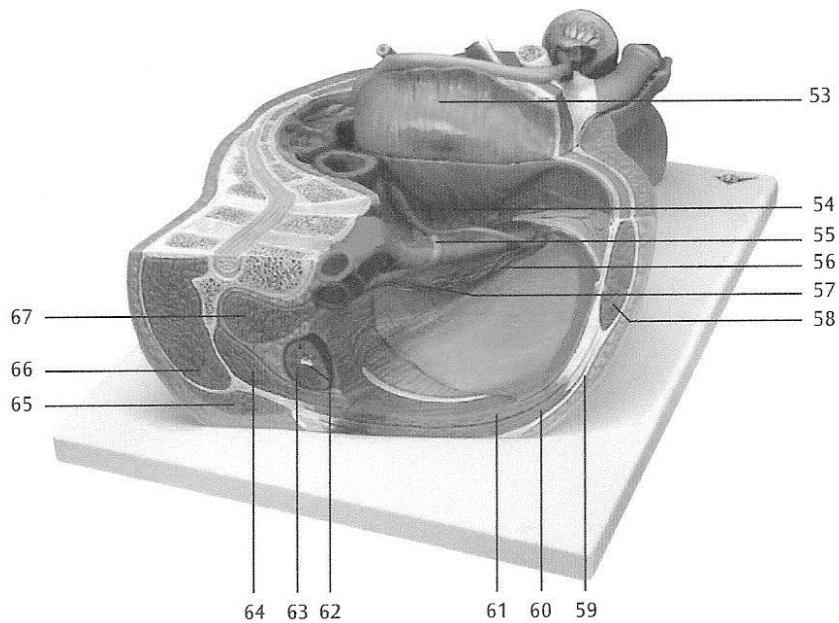
- 49. Uterine tube
- 50. Uterus
- 51. Ampulla of uterine tube
- 52. Ovarian ligament
- 53. Round ligament of uterus
- 54. Rectus abdominis muscle
- 55. Ureter
- 56. External oblique muscle
- 57. Internal oblique muscle
- 58. Transverse abdominis muscle
- 59. Renal pelvis
- 60. Renal cortex
- 61. Latissimus dorsi muscle
- 62. Quadratus lumborum muscle
- 63. Psoas major muscle
- 64. Erector spinae muscle
- 65. Psoas minor muscle
- 66. Ovarian ligament
- 67. Ovary

Male Pelvis





- 34. Crest of ilium
- 35. Bladder
- 36. Spermatic duct
- 37. Left ureter
- 38. Seminal vesicle
- 39. Muscular coat of bladder
- 40. Prostate
- 41. Bulbospongiosus muscle
- 42. Head of epididymis
- 43. Tail of epididymis
- 44. Scrotum
- 45. Testis
- 46. Glans of penis
- 47. Penis
- 48. Spermatic plexus
- 49. Testicular artery
- 50. Pubic bone
- 51. Visceral peritoneum
- 52. Rectus abdominis muscle



- 53. Bladder
- 54. Spermatic duct
- 55. Right ureter
- 56. Right testicular artery
- 57. Right testicular vein
- 58. Rectus abdominis muscle
- 59. Aponeurosis of external oblique muscle
- 60. Internal oblique muscle
- 61. Transversus abdominis muscle
- 62. Renal pelvis
- 63. Renal cortex
- 64. Quadratus lumborum muscle
- 65. Latissimus dorsi muscle
- 66. Erector spinae muscle
- 67. Psoas major muscle

Chart 1 – Skeletal System

Key for ligaments may be found in the reference guide in the laboratory

Human Skeleton – Front View

- | | | |
|---------------------------------------|------------------------------------|------------------------------|
| 1. Frontal bone | 45. Anterior inferior iliac spine | 21. Coracoid process |
| 2. Parietal bone | 46. Head of femur | 22. Spine of scapula |
| 3. Temporal bone | 47. Spine of ischium | 23. Acromial process |
| 4. Sphenoid bone (greater wing) | 48. Pubic bone | 24. Head of humerus |
| 5. Zygomatic bone | 49. Superior branch of the ischium | 25. Deltoid tuberosity |
| 6. Ethmoid bone | 50. Inferior branch of the ischium | 26. Humerus |
| 7. Lacrimal bone | 51. Greater trochanter | 27. Lateral epicondyle |
| 8. Maxilla | 51a. Intertrochanteric line | 28. Olecranon process |
| 9. Mandible | 52. Lesser trochanter | 29. Medial epicondyle |
| 10. Nasal bone | 53. Femur | 30. Head of radius |
| 11. Inferior turbinated bone (concha) | 54. Lateral condyle of femur | 31. Tuberosity of radius |
| 12. Vomer | 55. Patella | 32. Radius |
| 13. Occipital bone | 56. Head of fibula | 33. Base of radius |
| 14. Atlas | 57. Tuberosity of tibia | 34. Ulna |
| 15. 7 th cervical vertebra | 58. Tibia | 35. Head of ulna |
| 16. 1 st thoracic vertebra | 59. Fibula | 36. Carpals |
| 17. 1 st rib | 60. Lateral malleolus | 37. Metacarpal bones |
| 18. Clavicle | 61. Tarsal bones | 38. Phalanges of fingers |
| 19. 12 th rib | 62. Metatarsal bones | 39. Hip bone |
| 20. Manubrium of sternum | 63. Phalanges of toes | 40. Posterior gluteal line |
| 21. Body of sternum | | 41. Anterior gluteal line |
| 22. Acromial process | | 42. Ilium |
| 23. Coracoid process | | 43. Spine of ischium |
| 24. Glenoid cavity | | 44. Obturator foramen |
| 25. Greater tubercle | | 45. Pubic bone |
| 26. Lesser tubercle | | 46. Ischium |
| 27. Intertubercular sulcus | | 47. Tubercle of ischium |
| 27a. Deltoid tuberosity | | 48. Head of femur |
| 28. Humerus | | 49. Greater trochanter |
| 29. Coronoid fossa | | 50. Intertrochanteric line |
| 30. Radial fossa | | 51. Lesser trochanter |
| 31. Elbow joint | | 52. Femur |
| 32. Coronoid process | | 53. Linea aspera |
| 33. Head of radius | | 54. Lateral condyle of femur |
| 34. Radius | | 55. Medial condyle of femur |
| 35. Ulna | | 56. Lateral condyle of tibia |
| 36. Carpal bones of wrist | | 57. Medial condyle of tibia |
| 37. Metacarpal bones | | 58. Head of fibula |
| 38. Phalanges of the fingers | | 59. Popliteal line |
| 39. 1 st lumbar vertebra | | 60. Tibia |
| 40. Transverse process | | 61. Fibula |
| 41. Sacrum | | 62. Lateral malleolus |
| 42. Coccyx | | 63. Medial malleolus |
| 43. Ilium | | 64. Talus bone |
| 44. Anterior superior iliac spine | | 65. Calcaneus |
| | | 66. Cuboid bone |
| | | 67. Metatarsal bones |
| | | 68. Phalanges of toes |

Human Skeleton – Back View

- | | |
|--|------------------------------|
| 1. Parietal bone | 47. Head of femur |
| 2. Occipital bone | 48. Greater trochanter |
| 2a. External occipital protuberance | 49. Intertrochanteric line |
| 3. Temporal bone | 50. Lesser trochanter |
| 4. Frontal bone | 51. Femur |
| 5. Sphenoid bone | 52. Linea aspera |
| 6. Arch of zygomatic bone | 53. Lateral condyle of femur |
| 7. Mandible | 54. Medial condyle of femur |
| 8. Atlas | 55. Lateral condyle of tibia |
| 9. Axis | 56. Medial condyle of tibia |
| 10. 7 th cervical vertebra | 57. Head of fibula |
| 11. 1 st thoracic vertebra | 58. Popliteal line |
| 12. 1 st rib | 59. Tibia |
| 13. 12 th thoracic vertebra | 60. Fibula |
| 14. 12 th rib | 61. Lateral malleolus |
| 15. 1 st lumbar vertebra | 62. Medial malleolus |
| 16. 5 th lumbar vertebra | 63. Talus bone |
| 17. Sacral bone | 64. Calcaneus |
| 18. Coccyx | 65. Cuboid bone |
| 19. Scapula | 66. Metatarsal bones |
| 20. Clavicle | 67. Phalanges of toes |

Chart 2 – Muscular System

Front View

1. Frontal muscle
2. Orbicular muscle of orbit
3. Zygomatic muscle
4. Buccinator muscle
5. Masseter muscle
6. Triangularis muscle
7. Inferior quadratus of lip
8. Orbicular muscle of mouth
9. Superior quadratus of lip
10. Risorius
11. Platysma
12. Mylohyoid muscle
13. Digastric muscle (anterior head)
- 13a. Digastric muscle (posterior head)
14. Stylohyoid muscle
15. Hyoid bone
16. Thyrohyoid muscle
17. Omohyoid muscle
18. Sternohyoid muscle
19. Sternothyroid muscle
20. Sternocleidomastoid muscle
21. Trapezius muscle
22. Greater pectoral muscle
23. Smaller pectoral muscle
24. Anterior serrate muscle
25. External oblique muscle
- 25a. Sheath of rectus abdominis muscle
- 25b. Inguinal ligament
26. Latissimus dorsi muscle
27. Teres major muscle
28. Clavicle
29. Deltoid muscle
30. Coracobrachial muscle
31. Biceps muscle
32. Long head of triceps muscle
33. Medial head of triceps muscle
34. Brachial muscle
- 34a. Lacertus fibrosus
35. Pronator teres muscle
36. Flexor carpi radialis muscle
37. Long palmar muscle
38. Flexor carpi ulnaris muscle
39. Superficial flexor muscle of fingers
40. Brachioradial muscle
- 40a. Quadratus pronator muscle
41. Long abductor of thumb

- 41a. Deep flexor of digits
42. Volar ligament of wrist
43. Pisiform bone
44. Short abductor muscle of thumb
45. Abductor muscle of 5th finger
46. Short palmar muscle
47. Palmar aponeurosis
48. Ulnar flexor muscle of wrist
49. Anterior superior iliac spine
50. Tensor fascia lata muscle
51. Sartorius muscle
52. Iliac muscle
- 52a. Greater psoas muscle
53. Rectus femoris muscle
- 53a. Medial vastus muscle
- 53b. Lateral vastus muscle
54. Tendon of quadriceps muscle with patella
55. Pectineus muscle
56. Adductor longus muscle
57. Gracilis muscle
58. Adductor magnus muscle
59. Tendon of semitendinosus muscle
60. Gastrocnemius muscle
61. Tendon of plantaris muscle
62. Soleus muscle
63. Achilles tendon
64. Long flexor of toes
65. Posterior tibial muscle
66. Long flexor of big toe
67. Lacinate ligament
68. Anterior tibial muscle
69. Long extensor of big toe
70. Long extensor of toes
71. Long peroneal muscle
72. Transverse ligament of ankle
73. Cruciate ligament of ankle
74. Short extensor muscle of big toe
75. Dorsal interosseous muscle
76. Abductor muscle of big toe
6. Sternocleidomastoid muscle
7. Trapezius muscle
8. Latissimus dorsi muscle
9. Internal abdominal oblique muscle
10. External abdominal oblique muscle
11. Rhomboideus major muscle
12. Infraspinous muscle (covered by fascia)
- 12a. Infraspinous muscle
13. Teres minor muscle (covered by fascia)
- 13a. Teres minor muscle
14. Teres major muscle
15. Scapular spine
16. Deltoid muscle
17. Long head of triceps muscle
- 17a. Lateral head of triceps muscle
- 17b. Medial head of triceps muscle
18. Brachial muscle
19. Biceps muscle
20. Brachioradial muscle
21. Lateral epicondyle of humerus
22. Anconeus muscle
23. Extensor carpi radialis longus muscle
24. Extensor carpi radialis brevis muscle
25. Common extensor muscle of fingers
26. Common extensor muscle of fingers
27. Long abductor muscle of thumb
28. Short extensor muscle of thumb
29. Long extensor muscle of thumb
30. Extensor carpi ulnaris muscle
31. Proper extensor muscle of 5th finger
32. Dorsal ligament of wrist
33. Abductor muscle of 5th finger
34. Dorsal interosseous muscles
35. Adductor muscle of thumb

Back View

1. Superior auricular muscle
2. Occipital muscle
3. Posterior auricular muscle
4. Semispinal muscle
5. Splenius muscle

- | | | |
|--|---|--|
| 36. Short abductor muscle of thumb
37. Pronator teres muscle
38. Brachioradialis muscle
39. Extensor carpi ulnaris muscle
40. Iliac crest
41. Gluteus medius muscle
42. Gluteus maximus muscle
43. Tensor fascia lata muscle
43a. Great trochanter
44. Iliotibial band
45. Vastus lateralis muscle
46. Biceps muscle of the thigh (long head) | 46a. Biceps muscle of the thigh (short head)
47. Semitendinosus muscle
48. Semimembranosus muscle
49. Gracilis muscle
50. Adductor magnus muscle
51. Head of fibula
52. Gastrocnemius muscle
53. Soleus muscle
54. Plantaris muscle
54a. Tendon of plantaris muscle
55. Long peroneal muscle
56. Short peroneal muscle
57. Long extensor muscle of toes
57a. Peroneus tertius muscle
58. Long flexor of the big toe | 59. Calcaneal tendon
60. Anterior tibial muscle
61. Transverse ligament of ankle
62. Cruciate ligament of ankle
63. Superior peroneal retaining ligament
64. Inferior peroneal retaining ligament
65. Calcaneus
66. Short extensor muscle of toes
67. Abductor muscle of 5th toe
68. Abductor muscle of 5th toe
69. Opposing muscle of 5th toe
70. Long flexor of the toes
71. Tendon of posterior tibial muscle |
|--|---|--|

Chart 3 – The Nervous and Circulatory System

Key for nervous system may be found in the reference guide in the laboratory

The Circulatory System

- | | | |
|---|--|--|
| 1. Superior sagittal (longitudinal) sinus | 39. Radial recurrent artery | 75. Superficial veins of penis |
| 2. Inferior sagittal (longitudinal) sinus | 40. Posterior (dorsal) interosseous artery | 76. Obturator artery and vein |
| 3. Large vein of cerebrum | 41. Radial artery | 77. Doral vein of penis (or clitoris) |
| 4. Superficial temporal artery and vein | 42. Dorsal (posterior) carpal branch of radial artery | 78. External pudendal artery |
| 5. Straight sinus | 43. Doral metacarpal arteries II | 79. Medial circumflex artery and vein of thigh |
| 6. Transverse (lateral) sinus | 44. First (superior) perforating artery | 80. Great saphenous vein |
| 7. Posterior auricular artery | 45. Deep femoral artery | 81. Second (middle) perforating artery |
| 8. Occipital artery and vein | 46. Lateral circumflex femoral artery, descending branch | 82. Third (inferior) perforating artery |
| 9. Retromandibular (posterior facial) vein | 47. Lateral circumflex femoral artery and vein | 83. Supreme genu artery |
| 10. External jugular vein | 48. Lateral circumflex femoral artery, ascending branch | 84. Popliteal artery and vein |
| 11. Internal carotid artery (beneath internal jugular vein) | 49. Femoral artery and vein | 85. Medial superior artery of knee |
| 12. Deep cervical vein | 50. Internal pudendal artery | 86. Lateral superior artery of knee |
| 13. Internal jugular vein | 51. Superficial epigastric artery | 87. Medial inferior artery of knee |
| 14. Vertebral artery | 52. Superior gluteal artery and vein | 88. Lateral inferior artery of knee |
| 15. Deep cervical artery | 53. Iliolumbar artery | 89. Posterior tibial artery |
| 16. Superficial cervical artery | 54. Ulnar artery | 90. Anterior recurrent tibial branch |
| 17. Throcervical arterial trunk | 55. Volar interosseous artery | 91. Anterior tibial artery |
| 18. Superior intercostal branch of costocervical trunk | 56. Common interosseous artery | 92. Peroneal artery |
| 19. Costocervical arterial trunk | 57. Internal spermatic (ovarian) artery and vein | 93. Perforating branch of peroneal artery |
| 20. Transverse cervical artery | 58. Ileocolic artery and vein | 94. Dorsal artery and vein of foot |
| 21. Transverse artery of scapula | 59. Lumbar artery and vein | 95. Lateral tarsal artery |
| 22. Subclavian artery and vein | 60. Ulnar recurrent artery | 96. Medial tarsal arteries |
| 23. Thoracoacromial artery | 61. Right colic artery and vein | 97. Deep plantar branch |
| 24. Axillary artery and vein | 62. Right gastroepiploic artery | 98. Arcuate artery |
| 25. Anterior circumflex artery of humerus | 63. Middle colic artery | 99. Dorsal metatarsal arteries |
| 26. Lateral thoracic artery | 64. Gastroduodenal artery | 100. Venous arch of dorsum of foot |
| 27. Posterior circumflex artery of the humerus | 65. Right renal artery and vein | 101. Dorsal digital arteries |
| 28. Subscapular artery and vein | 66. Portal vein | 102. Plantar arch |
| 29. Circumflex artery of scapula | 67. Common hepatic artery | 103. Lateral plantar branch of tibial artery |
| 30. Dorsal thoracic artery | 68. Middle sacral artery and vein | 104. Medial plantar branch of tibial artery |
| 31. Cephalic vein | 69. Middle and inferior vesical artery | 105. Medial calcanean branch of tibial artery |
| 32. Deep brachial artery | 70. Inferior gluteal artery | 106. Small saphenous vein |
| 33. Superior ulnar collateral artery | 71. Medial rectal (hemorrhoidal) artery | 107. Medial sural artery |
| 34. Brachial artery | 72. Lateral sacral artery and vein | 108. Lateral sural artery |
| 35. Basilic vein | 73. Medial (lateral) umbilical ligament | 109. Middle artery of knee |
| 36. Middle collateral branch of deep brachial artery | 74. Superior vesical artery | |

- | | | |
|---|--|---|
| 110. Proper volar digital artery
111. Common volar (palmar) arch
112. Superficial volar (palmar) arch
113. Deep volar (palmar) arch
114. Deep branch of ulnar artery
115. Superficial volar branch of radial artery
116. Superficial circumflex iliac artery and vein
117. Inferior epigastric artery and vein
118. Deep circumflex iliac artery and vein
119. External iliac artery and vein
120. Hypogastric artery (internal iliac artery)
121. Common iliac artery and vein
122. Superior rectal (hemorrhoidal) artery and vein
123. Deep median vein
124. Median vein of forearm
125. Sigmoid artery and vein | 126. Inferior mesenteric artery
127. Left colic artery and vein
128. Thoracoepigastric vein
129. Superior mesenteric artery and vein
130. Inferior mesenteric vein
131. Left gastroepiploic artery
132. Splenic artery and vein
133. Celiac artery (celiac axis)
134. Superior suprarenal artery
135. Left gastric artery
136. Left inferior phrenic artery
137. Hepatic vein
138. Right pulmonary veins
139. Right pulmonary artery
140. Intercostal artery (anterior) branch
141. Internal thoracic (mammary) artery and vein
142. Superior vena cava
143. Lowest thyroid vein
144. Brachiocephalic (innominate) artery
145. Bulb of internal jugular vein
146. Common carotid artery
147. Inferior thyroid artery and vein | 148. Anterior jugular vein
149. Superior thyroid artery and vein
150. External carotid artery
151. Lingual artery
152. Common facial artery
153. Submental artery
154. Mental artery
155. Facial artery and vein
156. Inferior labial artery and vein
157. Inferior alveolar (dental) artery and vein
158. Superior labial artery and vein
159. Maxillary artery
160. Infraorbital artery
161. Dorsal artery of nose (angular artery)
162. Ophthalmic artery
163. Nasofrontal vein (angular vein)
164. Superior ophthalmic vein
165. Supraorbital artery
166. Frontal artery and vein
167. Middle meningeal artery |
|---|--|---|

Chart 4 –Circulation, Heart and Skin

Key for skin may be found in the reference guide in the laboratory

Anterior Coronal Section of Heart

1. Left subclavian artery
2. Left common carotid artery
3. Brachiocephalic (innominate) artery
4. Arch of aorta
5. Ascending aorta
6. Right pulmonary arteries
7. Superior vena cava
8. Right coronary artery in auriculoventricular groove
9. Right atrium
10. Limbus of oval fossa
11. Oval fossa
12. Opening of coronary sinus
13. Valve of inferior vena cava (Eustachian valve)
14. Inferior vena cava
15. Anterior vein of heart
16. Anterior cusp of tricuspid valve
17. Posterior cusp of tricuspid valve
18. Median cusp of tricuspid valve

Posterior Coronal Section of Heart

33. Right pulmonary veins
34. Posterior cusp of semilunar valve of aorta
35. Left anterior cusp of semilunar valve of aorta
36. Right anterior cusp of semilunar valve of aorta
37. Left atrium
38. Coronary sinus

Mitral Valve (Seen from Above)

45. Wall of left atrium
46. Anterior cusp of bicuspid (mitral) valve
47. Posterior cusp of bicuspid (mitral) valve

Semilunar Valve of Aorta

48. Right coronary artery
49. Left coronary artery

Diagram of Circulation

52. Aortic arch
53. Superior vena cava
54. Pulmonary artery
55. Right atrium
56. Right ventricle
57. Inferior vena cava
58. Hepatic veins
59. Portal vein
60. Capillaries of liver
61. Hypogastric vein
62. Veins of lower limbs
19. Papillary muscle
20. Apex of heart
21. Interventricular septum (anterior surface)
22. Right ventricle
23. Arterial cone
24. Anterior branch of left coronary artery in anterior interventricular groove
25. Great cardiac vein (large vein of heart)
26. Posterior cusp of semilunar valve of pulmonary artery
27. Right anterior cusp of semilunar valve of pulmonary artery
28. Left anterior cusp of semilunar valve of pulmonary artery
29. Left auricular appendage
30. Left pulmonary artery
31. Pulmonary artery
32. Arterial ligament (ligamentum arteriosus)
39. Anterior cusp of bicuspid (mitral) valve
40. Posterior cusp of bicuspid (mitral) valve
41. Left ventricle
42. Posterior papillary muscle
43. Anterior papillary muscle
44. Left pulmonary veins
50. Valve sinus of posterior cusp of semilunar valve
51. Nodule of semilunar valve
63. Arteries of lower limbs
64. Hypogastric artery
65. Inferior mesenteric artery
66. Superior mesenteric artery
67. Descending aorta
68. Celiac artery
69. Left ventricle
70. Left atrium
71. Pulmonary veins
72. Capillary circulation of lung
73. Arteries of head and upper limb

Chart 5 –Human Ear and Eye

Ear

1. Auricle (or external ear)
2. Cartilage of auricle
3. Cartilaginous part of external auditory meatus
- 3a. Bony part of external auditory meatus
4. Membrane of the tympanum (ear drum)
5. Cavity of tympanum
6. Promontory
7. Epitympanic recess
- 7a. Superior recess of tympanic membrane
8. Malleus
9. Incus
10. Stapes
11. Lateral ligament of malleus
12. Superior ligament of malleus
13. Cochlea
14. Vestibule
15. Superior semicircular duct
16. Lateral semicircular duct
17. Posterior semicircular duct
18. Tympanic antrum
19. Facial nerve
20. Acoustic nerve (vestibular nerve)
- 20a. Acoustic nerve (cochlear nerve)
21. Internal acoustic meatus
22. Tensor muscle of tympanum
23. Bony part of auditory (Eustachian) tube
24. Cartilaginous part of auditory (Eustachian) tube
25. Internal carotid artery
26. Styloid process
27. Mastoid process
28. Long arm of the incus
29. Endolymphatic duct
30. Endolymphatic sac

Eye

1. Cornea
2. Conjunctiva of the eye bulb
3. Anterior chamber of eye
4. Iris
5. Sphincter muscle of pupil
6. Posterior chamber of eye
7. Crystalline lens
8. Ciliary zonule (of Zinn)
9. Ciliary body
- 9a. Ciliary muscle
- 9b. Ciliary processes
- 9c. Ciliary folds
10. Serrated edge (Ora serrata)
11. Vitreous body
12. Hyaloid canal (of Stilling)
13. Sclera (sclerotic coat)
14. Choroid
15. Pigment layer of retina
16. Retina
- 16a. Excavation of papilla of optic nerve
- 16b. Central fovea
- 16c. Macula lutea (yellow spot)
17. Optic nerve
18. Central blood vessels of retina
19. Posterior ciliary arteries
20. Vortex vein
21. Fascia of eye ball
22. Interfascial space
23. Lateral rectus muscle of eye
24. Medial rectus muscle of eye
25. Fat body of orbit
26. Optic axis
27. Line of vision
28. Pupil
29. Posterior surface of iris
30. Blood vessels of retina

Chart 6 –Chest/Abdomen Viscera

First Layer

1. Thyroid cartilage
2. Thyroid gland
3. Trachea
4. Bifurcation of the left common carotid artery
5. Internal jugular vein
6. Sternocleidomastoid muscle
- 6a. Anterior scalene muscle
7. Dome or cupola of pleura
8. Subclavian artery and vein
9. Thymus
10. Right brachiocephalic (innominate) vein
11. Clavicle
12. Superior lobe of right lung
13. Medial lobe of right lung
14. Inferior lobe of right lung
15. Superior lobe of left lung
16. Inferior lobe of left lung
17. Cardiac notch
18. Transition between costal pleura and diaphragmatic pleura
- 18a. Diaphragm
19. Pericardium
20. Sternum and xiphoid process
- 20a. Costal arch
21. Right lobe of liver
22. Left lobe of liver
23. Falciform and round ligaments of liver
24. Gall bladder
25. Stomach
26. Greater omentum (larger portion cut away)
27. Transverse colon
28. Right colic flexure
29. Left colic flexure
30. Unattached tenia of colon
31. Sacculation of colon (Haustra)
32. Jejunum of small intestine
33. Ileum of small intestine
34. Cecum
35. Sigmoid colon
36. Urinary bladder
37. Median (medial) umbilical fold
38. Medial (lateral) umbilical fold
39. Inferior epigastric artery
40. Rectum abdominis
41. Greater pectoral muscle
42. Intercostal muscles and anterior serrate muscle
43. External oblique muscle
44. Peritoneum

Second Layer

1. Thyroid cartilage
2. Thyroid gland
3. Trachea
4. Left common carotid artery
5. Internal jugular vein
6. Thoracic duct
7. Subclavian artery and vein
8. Right brachiocephalic (innominate) vein and brachiocephalic artery
9. Superior vena cava
10. Arch of aorta
11. Pulmonary artery
12. Pericardium
13. Phrenic nerve
14. Vagus and recurrent nerve
15. Right atrium
16. Heart
17. Right coronary artery
18. Left atrium
19. Right lung (turned towards the side)
20. Left lung (turned towards the side)
21. Diaphragm
22. Liver
23. Gall bladder
24. Hepatic artery, portal vein and hepatic duct
25. Epiploic foramen (of Winslow)
26. Caudate lobe of liver (Spigelian lobe)
27. Stomach
28. Pylorus
29. Duodenum horizontal part
30. Duodenojejunal flexure
31. Pancreas
32. Spleen
33. Phrenicocolic ligament
34. Transverse colon (left colic flexure)
35. Transverse colon (right colic flexure)
36. Transverse mesocolon
37. Ascending colon
38. Descending colon
39. Sigmoid colon
40. Cecum
41. Vermiform appendix with mesenteriolum
42. Terminal ileum
43. Superior ileocecal recess
44. Inferior ileocecal recess
45. Root of mesentery

- 46. Left kidney
- 46a. Right kidney
- 47. Superior mesenteric artery and vein
- 48. Inferior vena cava
- 49. Abdominal aorta
- 50. Inferior mesenteric artery
- 51. Bifurcation of common iliac artery
- 52. Spermatic duct (vas deferens)
- 53. Urinary bladder
- 54. Medial (lateral) umbilical fold
- 55. Median (medial) umbilical fold
- 56. Inferior epigastric artery
- 57. Peritoneum

Third Layer

- 1. Thyroid cartilage
- 2. Thyroid gland
- 3. Esophagus and recurrent nerve
- 4. Thoracic duct
- 5. Left common carotid artery
- 6. Bifurcation of right common carotid artery
- 7. Anterior scalene muscle
- 8. Vertebral artery
- 9. Thyrocervical trunk
- 10. Right subclavian artery
- 11. Right phrenic nerve and internal thoracic (mammary) artery
- 12. Brachiocephalic (innominate) artery
- 13. Left subclavian artery
- 14. Arch of aorta
- 15. Superior vena cava
- 16. Left vagus nerve and recurrent nerve
- 17. Pulmonary artery
- 18. Pulmonary blood vessels and bronchi
- 19. Right atrium
- 20. Semilunar valve of pulmonary artery
- 21. Semilunar valve of aorta
- 22. Tricuspid valve
- 23. Bicuspid valve
- 24. Interventricular septum
- 25. Pleura
- 26. Diaphragm
- 27. Cardiac end of stomach
- 28. Hepatic veins
- 29. Inferior vena cava
- 30. Celiac artery
- 31. Hepatic artery, portal vein, and common bile duct
- 32. Spleen and splenic blood vessels
- 33. Right suprarenal gland
- 34. Right kidney
- 35. Left kidney
- 36. Blood vessels of kidney
- 37. Right ureter
- 38. Pancreas
- 39. Pylorus
- 40. Duodenum
- 41. Duodenojejunal flexure
- 42. Superior mesenteric artery and vein
- 43. Twelfth rib
- 44. Transverse muscle of abdomen
- 45. Quadratus lumborum muscle
- 46. Major psoas muscle
- 47. Iliac muscle
- 48. Abdominal aorta
- 49. Inferior mesenteric artery
- 50. Rami of lumbar plexus
- 51. Femoral nerve
- 52. Left common iliac artery and vein
- 53. Internal spermatic vessels
- 54. Hypogastric artery and vein
- 55. External iliac artery and vein
- 56. Rectum
- 57. Urinary bladder
- 58. Spermatic duct (vas deferens)
- 59. Medial (lateral) umbilical fold
- 60. Median (medial) umbilical fold
- 61. Inferior epigastric artery
- 62. Peritoneum

Fourth Layer

- 1. Thyroid cartilage
- 2. Cricoid cartilage
- 3. Trachea
- 4. Left common carotid artery
- 5. Right common carotid artery
- 6. Vertebral artery
- 7. Thyrocervical trunk
- 8. Right subclavian artery
- 9. Brachiocephalic (innominate) artery
- 10. First rib and anterior scalene muscle
- 11. Left subclavian artery
- 12. Aorta
- 13. Left vagus nerve and recurrent nerve
- 14. Right vagus nerve
- 15. Intercostal blood vessels and nerves
- 16. Left bronchus and bronchial artery
- 17. Costal pleura
- 18. Azygos vein
- 19. Thoracic duct
- 20. Esophagus and vagus nerve
- 21. Internal intercostal muscle
- 22. Sympathetic nerve trunk
- 23. Cupola (dome) of diaphragm
- 24. Diaphragm

- 25. Hepatic veins
- 26. Inferior vena cava
- 27. Cardia of stomach and vagus nerve
- 28. Suprarenal gland and vein
- 29. Renal calyces
- 30. Left kidney
- 31. Right ureter
- 32. Twelfth rib
- 33. Celiac artery
- 34. Superior mesenteric artery
- 35. Blood vessels of kidney
- 36. Abdominal aorta
- 37. Inferior mesenteric artery
- 38. Transverse muscle of abdomen
- 39. Quadratus lumborum muscle
- 40. Psoas major muscle
- 41. Iliac muscle
- 42. Internal spermatic blood vessels
- 43. Branches of lumbar plexus
- 44. Femoral nerve
- 45. Left common iliac artery and vein
- 46. Hypogastric artery and vein
- 47. External iliac artery and vein
- 48. Spermatic duct (vas deferens)
- 49. Rectum
- 50. Urinary bladder
- 51. Inferior epigastric artery
- 52. Rectus abdominis
- 53. Interfoveolar ligament (Hesselbach)
- 54. Inguinal ring
- 55. Median (medial) umbilical fold

Chart 7 –Head, Mouth and Throat

The Head

- | | | |
|---|--|------------------------------------|
| 1. Nasal bone | 29. Thyroid cartilage | 59. Parietal lobe |
| 2. Cartilaginous part of nasal septum | 30. Cricoid plate | 60. Convolution of cingulum |
| 3. Vestibule (or antechamber) of nose | 31. Cricoid arch | 61. Precuneus |
| 4. Border of nose | 32. Vocal processes | 62. Cuneus |
| 5. Agger (ridge on the atrium) of the nose | 33. Transverse arytenoid muscle | 63. Lingual convolution |
| 6. Superior turbinate bone | 34. Corniculate tubercle | 64. Vermis of cerebellum |
| 7. Middle turbinate bone | 35. Cuneiform tubercle | 65. Cerebellar hemisphere |
| 8. Inferior turbinate bone | 36. Aryepiglottic fold | 66. Medulla oblongata |
| 9. Sphenoethmoidal recess | 37. Hyoepiglottic ligament | 67. Pons varolii |
| 10. Sphenoidal bone | 38. Vocal fold | 68. Crus (leg or limb) of cerebrum |
| 11. Tubal protuberance | 39. Ventricular fold (false vocal cord) | 69. Mamillary body |
| 12. Protuberance of levator of velum | 40. Ventricle of larynx | 70. Pituitary body (Hypophysis) |
| 13. Pharyngeal recess | 41. First tracheal cartilage (ring) | 71. Optic chiasma |
| 14. Pharyngeal tonsil | 41a. Thyroid gland | 72. Terminal lamina |
| 15. Hard palate | 42. Trachea | 73. Anterior commissure |
| 16. Soft palate | 43. Entrance into esophagus | 74. Corpus callosum |
| 16a. Uvula | 44. Isthmus of fauces | 75. Pellucid septum |
| 17. Vestibule (antechamber) | 45. Esophagus | 76. Fornix |
| 18. Cavity of mouth | 45a. Constrictor muscle of pharynx | 77. Pineal body |
| 19. Back of tongue | 46. Frontal bone | 78. Posterior commissure |
| 20. Root of tongue (tonsil of tongue) | 47. Frontal sinus | 79. Quadrigeminal bodies |
| 21. Blind foramen (foramen cecum) | 48. Parietal bone | 80. Anterior medullary velum |
| 22. Palatine tonsil and glossopalatine arch | 49. Occipital bone | 81. Fourth ventricle |
| 23. Mandible | 50. Clivus (slope) | 82. Cerebral aqueduct (of Sylvius) |
| 24. Genioglossal muscle | 51. Superior sagittal venous sinus | 83. Third ventricle |
| 25. Hyoid bone | 52. Straight venous sinus | 84. Interventricular foramen |
| 26. Geniohyoid muscle | 53. Large vein of cerebrum | 85. Anterior arch of atlas |
| 27. Mylohyoid muscle | 54. Confluence of sinuses | 86. Posterior arch of atlas |
| 28. Epiglottis | 55. Occipital sinus and falx of cerebrum | 87. Odontoid process of axis |
| | 56. Dura mater of brain | 88. Sixth cervical vertebra |
| | 57. Olfactory bulb | 89. Central canal |
| | 58. Frontal lobe | 90. Arachnoid |
| | | 91. Spinal cord |

Mouth Cavity, Jaws and Neck

- | | | |
|--|---|-----------------------------------|
| 1. Transverse folds of hard palate | 13. Buccinator muscle | 26. Filiform and conical papillae |
| 2. Soft palate | 14. Buccopharyngeus muscle | 27. Epiglottis |
| 3. Raphé | 15. Pharyngopalatinus muscle | 28. Tubercle of epiglottis |
| 4. Uvula | 16. Glossopalatinus muscle | 29. Cuneiform cartilage |
| 5. Tonsil (palatine) | 17. Levator muscle of the velum of palate | 30. Corniculate cartilage |
| 6. Anterior pillar | 18. Hamular process | 31. False vocal cord |
| 7. Posterior pillar | 19. Dorsum of tongue | 32. True vocal cord |
| 8. Posterior wall of pharynx | 20. Median longitudinal raphé | 33. Aryepiglottic fold |
| 9. Descending palatine artery and vein | 21. Foramen cecum | 34. Pharyngoepiglottic fold |
| 10. Gums | 22. Lingual tonsil | 35. Piriform recess |
| 11. Papillae of tongue | 23. Glossoepiglottic fold | 36. Posterior nares |
| 12. Pterygomandibular ligament | 24. Circumvallate papillae | 37. Eustachian tube |
| | 25. Fungiform papillae | 38. Salpingopharyngeal fold |
| | | 39. Salpingopharyngeus muscle |

- | | | |
|--|---|--|
| 40. Uvular muscle
41. Superior constrictor of pharynx
42. Stylopharyngeus muscle
43. Aryepiglotticus muscle
44. Posterior cricoarytenoid muscle
45. Greater horn of hyoid
46. Superior horn of thyroid cartilage
47. Root of tongue
48. Mucous membrane of esophagus
49. Superior laryngeal nerve
50. Inferior laryngeal nerve
51. Recurrent nerve
52. Left lobe of thyroid gland
53. Parathyroid gland
54. Superior thyroid artery
55. Inferior thyroid artery
56. Common carotid artery
57. External carotid artery
58. Internal carotid artery
59. Right vagus nerve
60. Masseter muscle
61. Orbicular muscle of mouth | 62. Longus colli muscle
63. Parotid gland
64. External jugular vein
65. Internal jugular vein
66. Facial nerve
67. Inferior alveoli (dental) nerve
68. Lingual nerve
69. Superior cervical sympathetic ganglion
70. Vertebral artery and vein
71. Axis (second cervical vertebra)
72. Sternocleidomastoid muscle
73. Splenius capitis muscle
74. Longissimus capitis
75. Oblique inferior muscle of head
76. Semispinalis capitis muscle
77. Trapezius muscle
78. Spinal cord
79. Larger sensory root of 5 th nerve
80. Semilunar ganglion (Gasserian)
81. Ophthalmic nerve | 82. Maxillary nerve
83. Mandibular nerve
84. Posterior superior dental branches
85. Middle superior dental branches
86. Anterior superior dental branches
87. Infraorbital nerve
88. Mucous membrane of antrum (maxillary sinus)
89. Anterior branch of mandibular nerve
90. Buccinator nerve (buccal branch)
91. Inferior alveolar branch of mandibular nerve
92. Mylohyoid nerve
93. Auriculotemporal nerve
94. Lingual nerve
95. Chorda tympani nerve
96. Inferior alveolar artery and vein
97. Mental artery and vein |
|--|---|--|

Chart 8 –The Digestive System

The Digestive Tract (Central Figure)

- | | | |
|---|---|---|
| 1. Superficial temporal artery and vein | 40. 4 th cervical nerve, anterior branch | 82. Celiac artery (celiac axis) |
| 2. Accessory parotid gland | 41. Thyroid cartilage | 83. Hepatic artery proper |
| 3. Parotid duct of Stenson | 42. Right common carotid artery | 84. Cystic artery |
| 4. Orifice of parotid duct | 43. Inferior constrictor muscle of pharynx | 85. Cystic duct |
| 5. Buccal glands | 44. Cricothyroid muscle | 86. Hepatic duct |
| 6. Labial glands | 45. Right phrenic nerve | 87. Portal vein |
| 7. Facial nerve | 46. Right vagus nerve | 88. Hepatoduodenal ligament |
| 8. Accessory nerve, external branch | 47. Thyroid gland | 89. Common bile duct |
| 9. Parotid gland | 48. Anterior scalene muscle | 90. Epiploic foramen (of Winslow) |
| 10. Masseter muscle | 49. Inferior thyroid artery and vein | 91. Gastroduodenal artery |
| 11. Lingual nerve | 50. Brachial plexus | 92. Pyloric vein |
| 12. Tongue | 51. Trachea | 93. Right gastric artery |
| 13. Orbicular muscle of mouth | 52. Thyrocervical trunk | 94. Splenic artery and vein |
| 14. Anterior lingual gland (of Nuhn) | 53. Subclavian artery and vein | 95. Inferior mesenteric vein |
| 15. Orifice of submaxillary duct of Wharton | 54. Internal jugular vein | 96. Superior mesenteric artery and vein |
| 16. Sternocleidomastoid muscle | 55. Thoracic duct | 97. Longitudinal layer of muscle coat |
| 17. Cervical plexus | 56. External jugular vein | 98. Circular layer of muscle coat |
| 18. Facial artery (external maxillary) | 57. Right brachiocephalic (innominate) vein | 99. Oblique fibers of muscle coat |
| 19. Internal carotid artery | 58. First rib | 100. Submucosa |
| 20. External carotid artery | 59. Internal thoracic (mammary) artery and vein | 101. Phrenicocolic ligament |
| 21. Middle constrictor muscle of pharynx | 60. Left subclavian artery | 102. Left flexure of colon |
| 22. Submaxillary duct of Wharton | 61. Right recurrent nerve | 103. Left gastroepiploic artery and vein |
| 23. Submaxillary (submandibular) gland | 62. Brachiocephalic (innominate) artery | 104. Orifice of accessory pancreatic duct |
| 24. Sublingual gland | 63. Left common carotid artery | 105. Right flexure of colon |
| 25. Smaller sublingual ducts | 64. Arch of aorta | 106. Orifice of bile and pancreatic duct |
| 26. Mandible | 65. Left vagus nerve | 107. Right gastroepiploic artery and vein |
| 27. Genioglossus muscle | 66. Left recurrent nerve | 108. Transverse mesocolon (cut surface) |
| 28. Mylohyoid muscle | 67. Right bronchus | 109. Greater omentum |
| 29. Digastrics muscle | 68. Anterior esophageal plexus | 110. Mesenteric lymph node |
| 30. Ascending pharyngeal artery | 69. Descending aorta | 111. Jejunum |
| 31. Lingual artery | 70. Esophagus | 112. Ascending colon |
| 32. Superior laryngeal nerve, internal branch | 71. Falciform ligament of liver | 113. Inferior ileocecal fold |
| 33. Hyoglossus muscle | 72. Round ligament of liver | 114. Ileum |
| 34. Hyoid bone | 73. Right lobe of liver | 115. Cecum |
| 35. Superior laryngeal nerve, external branch | 74. Left lobe of liver (cut surface) | 116. Vermiform appendix |
| 36. Superior thyroid artery and vein | 75. Gall bladder | 117. Sigmoid colon |
| 37. Fat body | 76. Inferior phrenic artery | 118. Sacculation of colon |
| 38. Middle scalene muscle | 77. Left gastric artery | 119. Ampulla of rectum |
| 39. Thyrohyoid muscle | 78. Left gastric (coronary) vein of stomach | 120. Levator ani muscle |
| | 79. Rugae of stomach | 121. External sphincter of anus |
| | 80. Spleen | 122. Anus |
| | 81. Body of stomach | |

Liver, Pancreas, and Duodenum

- | | | |
|--------------------------------|--|--|
| 1. Right hepatic vein | 14. Portal vein | 23. Inferior mesenteric vein |
| 2. Inferior vena cava | 15. Superior portion of duodenum | 24. Duodenjejunal flexure |
| 3. Left hepatic vein | 16. Fundus of gall bladder | 25. Superior mesenteric artery and vein |
| 4. Right lobe of liver | 17. Orifice of accessory pancreatic duct | 26. Uncinate process of pancreas |
| 5. Falciform ligament of liver | 18. Accessory pancreatic duct (of Santorini) | 27. Descending portion of duodenum |
| 6. Left lobe of liver | 19. Pancreatic duct (of Wirsung) | 28. Orifice of bile and pancreatic ducts |
| 7. Round ligament of liver | 20. Splenic artery and vein | 29. Inferior portion of duodenum |
| 8. Hepatic duct | 21. Tail of pancreas | 30. Intestinal arteries and veins |
| 9. Cystic artery | 22. Body of pancreas | |

Stomach

- | | | |
|---------------------------------------|---------------------------------------|---|
| 1. Epithelium | 10. Mucous coat (mucous membrane) | 17. Serous membrane – peritoneum |
| 2. Gastric pits | 11. Submucosa plexus (Meissner) | 18. Ganglion of myenteric plexus (Auerbach) |
| 3. Pyloric glands | 12. Submucosa | 19. Myenteric plexus (Auerbach) |
| 4. Venous plexus (epithelium removed) | 13. Muscle coat | 20. Branch of gastric vein |
| 5. Gastric glands | 14. Circular layer of muscle coat | 21. Branch of gastric artery |
| 6. Lamina proper of mucosa | 15. Longitudinal layer of muscle coat | |
| 7. Lymphatic nodule | 16. Serous coat | |

Circulation of Digestive Tract

- | | | |
|--|--|--|
| 1. Right common carotid artery | 17. Right branch of hepatic artery | 29. Right colic artery and vein |
| 2. Internal jugular vein | 18. Cystic artery | 30. Ileocolic artery and vein |
| 3. Right subclavian artery | 19. Splenic artery and vein | 31. Left colic artery and vein |
| 4. Thoracic duct | 20. Superior mesenteric artery and vein | 32. Common iliac artery and vein |
| 5. Right & left brachiocephalic (innominate) veins | 21. Inferior mesenteric vein | 33. Sigmoid artery and vein |
| 6. Ascending aorta | 22. Gastroduodenal artery | 34. Intestinal arteries and veins |
| 7. Superior vena cava | 23. Right gastric artery | 35. Superior rectal (hemorrhoidal) artery & vein |
| 8. Inferior vena cava | 24. Superior pancreaticoduodenal artery | 36. Hypogastric artery |
| 9. Hepatic veins | 25. Middle colic artery | 37. Middle rectal (hemorrhoidal) artery and vein |
| 10. Celiac artery (celiac axis) | 26. Right gastroepiploic artery and vein | 38. Internal pudendal artery |
| 11. Short gastric arteries | 27. Left gastroepiploic artery and vein | 39. Inferior rectal (hemorrhoidal) artery & vein |
| 12. Left gastric artery | 28. Inferior mesenteric artery | |

Cecum and Appendix

- | | | |
|------------------------------------|-----------------------------------|----------------------------------|
| 1. Unattached tenia of colon | 6. Semilunar fold of colon | 12. Appendicular artery and vein |
| 2. Ileocolic artery and vein | 7. Superior lip of valve of colon | 13. Vermiform appendix |
| 3. Mesenteric lymph nodes | 8. Inferior lip of valve of colon | 14. Mesentery of the appendix |
| 4. Sacculations of ascending colon | 9. Frenulum of valve of colon | 15. Valve of appendix |
| 5. Cecal artery and vein | 10. Ileum | 16. Omental tenia of colon |
| | 11. Inferior ileocecal fold | 17. Cecum |

Upper Ileum

- | | | |
|---|------------------------------|--------------------------------------|
| 1. Intestinal branch of superior mesenteric artery & vein | 4. Circular fold | 8. Circular layer of muscle coat |
| 2. Mesenteric lymph node | 5. Solitary lymphatic nodule | 9. Longitudinal layer of muscle coat |
| 3. Lacteal vessels bearing chyle | 6. Mucous membrane | 10. Serous coat |
| | 7. Submucosa | |

Jejunum

- | | | |
|---|----------------------------------|---------------------------------------|
| 1. Intestinal branch of superior mesenteric artery & vein | 5. Muscular layer of mucosa | 10. Longitudinal layer of muscle coat |
| 2. Mesenteric lymph node | 6. Intestinal villi | 11. Serous coat |
| 3. Lymphatic vessels | 7. Solitary lymphatic nodule | 12. Orifices of intestinal glands |
| 4. Circular fold | 8. Submucosa | |
| | 9. Circular layer of muscle coat | |

Course of Digestive Tract

Tube in duodenum blue; in jejunum and ileum yellow; in large intestine red

- | | | |
|----------------------|------------------------------------|---|
| 1. Uvula | 12. Superior portion of duodenum | 21. Ascending colon |
| 2. Cavity of pharynx | 13. Pyloric valve | 22. Horizontal (inferior) portion of duodenum |
| 3. Epiglottis | 14. Lesser curvature of stomach | 23. Transverse colon |
| 4. Hyoid bone | 15. Greater curvature of stomach | 24. Descending colon |
| 5. Thyroid cartilage | 16. Right hepatic flexure of colon | 25. Ileum |
| 6. Cricoid cartilage | 17. Descending portion of duodenum | 26. Vermiform appendix |
| 7. Esophagus | 18. Pyloric portion of stomach | 27. Cecum |
| 8. Cardia of stomach | 19. Ascending portion of duodenum | 28. Sigmoid colon |
| 9. Fundus of stomach | 20. Jejunum | 29. Rectum |

Rectum

- | | | |
|---|--|---|
| 1. Superior rectal (hemorrhoidal) artery and vein | 6. Middle rectal (hemorrhoidal) artery | 13. Internal sphincter muscle of anus |
| 2. Solitary lymphatic nodule | 7. Levator ani muscle | 14. External sphincter muscle of anus |
| 3. Transverse fold of rectum | 8. Internal pudendal artery | 15. Inferior rectal (hemorrhoidal) vein |
| 4. Middle rectal (hemorrhoidal) vein | 9. Internal pudendal vein | 16. Hemorrhoidal ring |
| 5. External hemorrhoidal plexus | 10. Rectal columns (of Morgagni) | 17. Inferior rectal (hemorrhoidal) artery and nerve |
| | 11. Internal hemorrhoidal plexus | |
| | 12. Rectal sinuses | |

Chart 9 –The Endocrine System

Key for this chart may be found in the reference guide in the laboratory

Chart 10 –The Lymphatic System

Key for this chart may be found in the reference guide in the laboratory

Chart 11 –Genito-urinary organs

Male

- | | | |
|---|---|--|
| 1. Urinary bladder | 30. Dorsal vein of penis | 55. Vas deferens (ductus deferens) |
| 2. Transverse vesical fold | 31. Dorsal artery and nerve of penis | 56. Ampulla of vas deferens |
| 3. Serous coat | 32. Cutaneous branch of dorsal vein of penis | 57. Internal spermatic artery and vein |
| 4. Superior vesical artery | 33. Bulbourethral gland (Cowper's gland) | 58. Pampiniform plexus |
| 5. Inferior vesical artery | 34. Excretory duct of bulbourethral gland | 59. Epididymis |
| 6. Muscular coat | 35. Corpus cavernosum urethra (corpus spongiosum) | 60. Efferent ducts of testis |
| 7. Muscular coat, middle layer | 36. Bulb of urethra | 61. Parenchyma of testis |
| 8. Muscular coat, superficial layer | 37. Corpus cavernosum of the penis | 62. Aberrant duct |
| 9. Mucous membrane | 38. Deep artery of penis | 63. Symphysis pubis |
| 10. Ureter | 39. Penis | 64. Promontory of sacrum |
| 11. Median (medial) umbilical ligament | 40. Suspensory ligament of penis | 65. Levator ani muscle |
| 12. Medial (lateral) umbilical ligament | 41. Glans penis | 66. Psoas muscle |
| 13. Ureteral fold | 42. Fossa navicularis | 67. Abdominal aorta |
| 14. Ureteral orifice | 43. External urethral orifice | 68. Inferior mesenteric artery |
| 15. Trigone | 44. Prepuce | 69. Common iliac artery and vein |
| 16. Uvula and internal urethral orifice | 45. Spermatic cord | 70. External iliac artery and vein |
| 17. Urethral crest | 46. Tunica vaginalis communis | 71. Hypogastric artery & vein (internal iliac) |
| 18. Colliculus seminalis | 47. Parietal layer of tunic vaginalis propria | 72. Deep circumflex iliac artery & vein |
| 19. Prostatic utricle | 48. Visceral layer of tunic vaginalis propria | 73. Inferior epigastric artery & vein |
| 20. Seminal vesicle | 49. Testis (testicle) | 74. Obturator artery, vein & nerve |
| 21. Excretory duct of seminal vesicle | 50. Head of epididymis | 75. Internal pudendal artery & vein |
| 22. Ejaculatory duct | 51. Appendix of epididymis | 76. Rectum |
| 23. Orifices of prostatic ducts | 52. Appendix of testis (Hydatid of Morgagni) | 77. Epiploic appendage |
| 24. Urogenital diaphragm | 53. Scrotum | 78. External sphincter & muscle |
| 25. Membranous urethra | 54. Septum of scrotum | 79. Internal sphincter & muscle |
| 26. Prostatic plexus of veins | | 80. Anus |
| 27. Prostate | | |
| 28. Ischiocavernosus muscle | | |
| 29. Bulbocavernosus muscle | | |

Female

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|-----------------------------|---|------------------------------------|
| 1. Uterus | 17. Ovarian artery and vein | 29. Placenta |
| 2. Serous coat | 18. Medial (lateral) umbilical ligament | 30. Umbilical cord |
| 3. Muscular coat | 19. Median (medial) umbilical ligament | 31. Mesosalpinx |
| 4. Mucous membrane | 20. Suspensory ligament of ovary | 32. Gartner's duct |
| 5. Fundus | 21. Proper ovarian ligament | 33. Parovarium |
| 6. Uterine horn | 22. Broad ligament | 34. Hydatid of Morgagni |
| 7. Cervix | 23. Round ligament | 35. Uterine tube (Fallopian tube) |
| 8. Anterior lip | 24. Uterosacral ligament | 36. Ampulla of uterine tube |
| 9. Posterior lip | 25. Vesicouterine pouch | 37. Fimbriated end of uterine tube |
| 10. Uterine cavity | 26. Rectouterine pouch of Douglas | 38. Ovarian fimbriae |
| 11. Uterine end of tube | 27. Chorion | 39. Right ovary |
| 12. External os | 28. Amnion | 40. Left ovary |
| 13. Internal os | | 41. Hilum of ovary |
| 14. Uterine artery and vein | | 42. Primordial follicles |
| 15. Superior vesical artery | | |
| 16. Vaginal artery | | |

43.	Graafian follicle	67.	Glans	88.	Symphysis pubis
44.	Corpus luteum	68.	Dorsal vein of clitoris	89.	Fifth lumbar vertebra
45.	Corpus albicans	69.	Major labium	90.	Promontory of sacrum
46.	Urethra	70.	Minor labium	91.	Coccyx
47.	Circular muscle coat	71.	Fossa navicularis	92.	Rectum
48.	Longitudinal muscle coat	72.	Frenulum (Fourchette)	93.	Internal sphincter ani muscle
49.	External urethral orifice	73.	Vagina	94.	External sphincter ani muscle
50.	Internal urethral orifice	74.	Vaginal orifice	95.	Anus
51.	Urethral crest	75.	Vestibule	96.	Umbilicus
52.	Paraurethral duct (Skene's duct)	76.	Hymen	97.	Abdominal aorta
53.	Skene's gland	77.	Bulb	98.	Superior mesenteric artery
54.	Urinary bladder	78.	Vestibular gland (Bartholin's gland)	99.	Portal vein
55.	Transverse vesical fold	79.	Bulbocavernosus muscle	100.	Inferior mesenteric vein
56.	Serous coat	80.	Ischiocavernosus muscle	101.	Common iliac artery and vein
57.	Muscular coat, superficial layer	81.	Superficial transverse perineal muscle	102.	External iliac artery and vein
58.	Muscular coat, middle layer	82.	Levator ani muscle	103.	Hypogastric artery and vein
59.	Submucosa	83.	Dorsal artery of clitoris	104.	Deep circumflex iliac artery
60.	Mucous membrane	84.	Dorsal nerve of clitoris	105.	Inferior epigastric artery
61.	Ureter	85.	Perineal nerve	106.	Pancreas
62.	Ureteral orifice	86.	Internal pudendal artery & vein	107.	Liver
63.	Trigone	87.	Inferior rectal (hemorrhoidal) artery, vein & nerve	108.	Stomach
64.	Vesical and vaginal plexus			109.	Transverse colon
65.	Mons pubis (Mons veneris)				
66.	Prepuce				