

MUSCLE & INTERNAL ORGAN ANATOMY LIST

Muscles and Organs of the Cat and Human for Practicum Only!

* Muscle anatomy practicum will be given in five parts covering both cat and comparative anatomy on the human. For the human muscle refer to your text chapter 11. Each question will be worth 2 points; one point for the correct muscle or organ, and one point for spelling!

Practicum # 1 (~ 3-4 days for dissection)

CAT	HUMAN
Muscles of the Back & Shoulder: Cat Manual pages 1- 2	Muscles of Back & Shoulder: Text p. 335, 361, and 365.
*Clavotrapezius	*Trapezius
*Acromiotrapezius	*Deltoid
*Spinotrapezius	Latissimus dorsi
Latissimus dorsi	
Cat Manual pages 3-4	Teres minor
Supraspinatus	Teres major
Infraspinatus	Infraspinatus
Teres major	Supraspinatus
Levator scapulae	Levator scapulae
*Acromiodeltoid	
*Spinodeltoid	
*Clavodeltoid	

*(deltoid and trapezius groups; 3 on the cat, and 1 on the human)

Practicum # 1

CAT	HUMAN
Deep Back Muscles: Cat Manual pages 3-4	Deep Back Muscles: Text p. 365
Rhomboideus major	Rhomboideus major
Rhomboideus minor	Rhomboideus minor
Rhomboideus capitis (not in human)	

Practicum # 2 (~ 3-4 days for dissection)

CAT	HUMAN
Chest: Cat Manual pages 5-6	Chest: Text p. 352, 361 and 364
Pectoantibrachialis (not in human)	Pectoralis major
Pectoralis major	Pectoralis minor
Pectoralis minor	Serratus anterior
Xiphohumeralis (not in human)	
Abdominal: Cat Manual page 7-8	Abdominal: Text p. 334 and 352
Rectus abdominis	Rectus abdominis
External oblique	External oblique
Internal oblique	Internal oblique
Transverse abdominis /Transversus abdominis	Transverse abdominis/Transversus abdominis

HUMAN FACIAL MUSCLES; Text p. 338-339	
Mentalis	Zygomatic major
Occipitofrontalis	Platysma
Buccinator	Temporalis
Orbicularis oris	Masseter
Orbicularis oculi	Sternocleidomastoid
Levator labii superioris	Depressor labii inferioris

Practicum # 3 (~ 2-3 days for dissection)

CAT	HUMAN
<u>Lateral Forearm; Superficial:</u> Cat Manual pages 9-10	<u>Posterior Arm; Superficial:</u> Text p. 368; figs. 11.16 a & b
Triceps brachii long head	Biceps brachii
Triceps brachii lateral head	*Triceps brachii (see 3 heads below)
Triceps brachii medial head	*Triceps brachii long head
Anconeus	*Triceps brachii medial head
Brachialis (shows <i>brachial nerve</i> and its <i>radial & ulnar branches</i>). <i>Note: Brachial vein and artery is seen</i>	*Triceps brachii lateral head
Brachioradialis	Text p. 378; fig. 11.17 c & d
Extensor carpi radialis (<i>longus & brevis</i>)	Anconeus
Extensor digitorum communis	Brachialis
Extensor digitorum lateralis	Brachioradialis
Extensor carpi ulnaris	Extensor carpi radialis (<i>longus</i>)
	Extensor digitorum (<i>communis</i>)
	Extensor carpi ulnaris

Practicum # 3

CAT	HUMAN
<u>Medial Forearm:</u> Cat Manual pages 11-12	<u>Anterior Arm:</u> Text p. 372; figs. 11.17 a & b
Epitrochlearis	Flexor carpi radialis
Biceps brachii	Palmaris longus
Flexor carpi radialis	Flexor carpi ulnaris
Pronator teres	Pronator teres
Palmaris longus	
Flexor carpi ulnaris	

Practicum # 4 (~ 4 days for dissection)

CAT	HUMAN
<u>Thigh:</u> Cat Manual pages 13-16	<u>Thigh:</u> Text p. 385 - 387; figs. 11-20
Sartorius	Sartorius
Gracilis	Gracilis
**Biceps femoris	**Biceps femoris (<i>Sciatic nerve</i> shown deep)
**Semimembranosus	**Semimembranosus
**Semitendinosus	**Semitendinosus
1) Adductor femoris; medial thigh adductor	1) Pectineus; 1-3 are medial thigh adductors
2) Adductor longus; medial thigh adductor	2) Adductor longus
Tensor Fasciae latae; with <i>iliotibial tract</i>	3) Adductor magnus
* Rectus femoris	Tensor fasciae latae; with <i>iliotibial tract</i>
* Vastus lateralis	*Rectus femoris
* Vastus intermedius (not shown)	*Vastus lateralis
* Vastus medialis	*Vastus intermedius
Femoral Nerve (<i>Sciatic nerve</i>), <i>femoral arteries & veins</i>	*Vastus medialis

*("Quadriceps")

** ("Hamstrings")

*("Quadriceps")

** ("Hamstrings")

Practicum # 4

CAT	HUMAN
<u>Muscles of the Hip (Buttock):</u> Cat Manual pages 17-20	<u>Muscles of the Hip (Buttock):</u> Text p. 335 and 387, fig. 11.20c
Gluteus maximus	Gluteus maximus
Gluteus medius	Gluteus medius

Practicum # 4 continued on next page →

Practicum # 4 cont.

CAT	HUMAN
Medial Lower Leg: Cat Manual page 21-22	Anterior Lower Leg: Text p. 393, fig.11.22 a & b
Tibialis anterior	Peroneus longus <i>aka.</i> Fibularis longus
Flexor digitorum longus	Flexor digitorum longus
Gastrocnemius w/ Calcaneal Tendon (Achilles)	Tibialis anterior
Soleus	
Lateral Lower Leg: Cat Manual page 22-23	Posterior Lower Leg: Text p. 394, fig.11.22 c & d
Peroneus	Gastrocnemius, w/ Calcaneal Tendon (Achilles)
Extensor digitorum longus	Soleus
Gastrocnemius with Achilles Tendon	
Soleus	

Practicum # 5: INTERNAL ORGANS OF THE CAT (1 day for dissection)

CAT ORGANS	CAT LAB MANUAL PAGE #
Eye with lens (optional)	Not Shown
Brain (optional)	Not Shown
Abdominal Cavity	Abdominal Cavity
*Greater omentum (removed or reflected)	Pages 24-25
*Liver – <i>with specific lobes</i>	Pages 26-27
*Gallbladder	Page 28
*Esophagus (<i>food pipe</i>)	Page 28
*Stomach	Page 28
*Small Intestine (duodenum, jejunum, ileum)	Page 28
*Large Intestine (ascending, transverse, and descending colon)	Page 28
*Cecum (cats don't have an appendix)	Page 28
*Pancreas	Page 28
*Spleen	Page 28
*Kidney (1 removed from abdominal wall)	Page 28
Thoracic Cavity	Thoracic Cavity
*Diaphragm	Page 26
*Larynx (<i>w/ vocal cords</i>) – found in neck region	Page 29
*Trachea (<i>wind pipe</i>)	Page 29
*Primary Bronchi/Bronchiole(s)/Bronchus	Page 26
*Lungs – <i>with specific lobes</i>	Page 26
*Heart (removed from pericardium & pericardial sac)	Pages 29-30
Pelvic Cavity	Pelvic Cavity
*Bladder	Page 28
*Uterine Horns (female)	Page 28
*Ovaries and Oviduct (female)	Page 28
*Testes and Penis - <i>external genitalia</i> (male)	Page 28
Rectum	Page 28
*Spermatic cord (male)	Page 14 (see Dissection # 4)

(*) Organs must be exposed/identified and checked off for credit!