

Guide for all Muscle Labs

This is a guide for what the student should learn off of the various models, dissections, etc. This is a guide only; it is not an exclusive list.

This list is for all muscle labs (Muscle Tissues & Neuromuscular Junction, Muscles of the Head & Neck, Muscles of the Trunk & shoulder, Muscles of the Arm & Leg, etc.).

In your lab book, you can ignore the cat dissection images. Pay attention to the images covering the human models.

Models/Charts found in Regular Lab & Learning Lab

Arm Model:

Any muscle or associated structure (aponeurosis, etc.) you can see. Includes going deep (remove outer muscles). See especially:

biceps brachii	pronator teres
brachialis	rotator cuff muscles (any you can see)
brachioradialis	supinator
extensors: see study table for details	triceps brachii
flexors : see study table for details	

Leg Model:

Any muscle or associated structure (aponeurosis, etc.) you can see. Includes going deep. See especially:

Achilles' tendon	quadriceps group
adductor magnus	rectus femoris
adductor femoris	vastus lateralis
adductor longus	vastus medialis
gastrocnemius	vastus intermedialis
gluteus medius	sartorius
gluteus maximus	soleus
gracilis	tensor fascia lata
hamstring group	tibialis anterior
biceps femoris	
semitendinosus	
semimembranosus	

Torso, Full (the "ugly" torso model) - at least be able to locate:

Any muscle or associated structure (aponeurosis, etc.) you can see. Includes going deep. See especially:

aponeurosis	orbicularis oris
deltoid group	pectoralis major
digastric	pectoralis minor
external oblique	pectoralis group
galea aponeurotica	rectus abdominus
internal oblique	sternocleidomastoid
latissimus dorsi	temporalis
masseter	transverse abdominus
frontalis	trapezius
occipitalis	zygomaticus
orbicularis oculi	

Torso, ½:

Any muscle or associated structure (aponeurosis, etc.) you can see. Includes going deep.

aponeurosis	pectoralis major
deltoid group	pectoralis minor
digastric	pectoralis group
external oblique	rectus abdominus
galea aponeurotica	sternocleidomastoid
internal oblique	sternohyoid
latissimus dorsi	temporalis
masseter	transverse abdominus
frontalis	trapezius
mylohyoid	zygomaticus
occipitalis	
orbicularis oculi	
orbicularis	

"Little Man":

Any muscle or associated structure (aponeurosis, etc.) you can see. Superficial muscles only.

Sagittal Head on stand:

Any muscle or associated structure (aponeurosis, etc.) you can see.

Head Muscles Model: See above.

Muscle Chart:

Any muscle or associated structure (aponeurosis, etc.) you can see. Includes going deep.

Muscle Wall Chart - Types of Muscle Tissues:

Know the structures as outlines in photographs in lab book

Painted skeleton:

Look over origins/insertions as outlined on study table.

Striated Muscle Model - Be able to ID the model. ID any parts of **images 9.7 and 9.12 from lecture book** that you can see.

Smooth Muscle Model - Be able to ID the model. ID the individual cells & the nucleus.

The following models will not be in the learning lab

*these models are for guidance during regular lab period.

Shoulder Model (bones)

Knee Model (bones)

Arm/shoulder with muscle attached

Ankle/Foot/Hand models

Cat Dissections

None currently for these labs

Slides: skeletal Muscle, Smooth Muscle, Cardiac Muscle, Neuromuscular Junction (or "Motor Nerve Ending")

Be able to ID the slides as smooth, skeletal or cardiac. ID cells, nuclei, striations, intercalated disks, synaptic end bulbs, axon terminal, axon of neuron, vesicles.

Other

Know all the bands, zones, etc. from "muscle tissues" from images in lecture book. Know parts of neuromuscular junction from image in lecture book. Know all the movement terms found in Lab Chapter 14