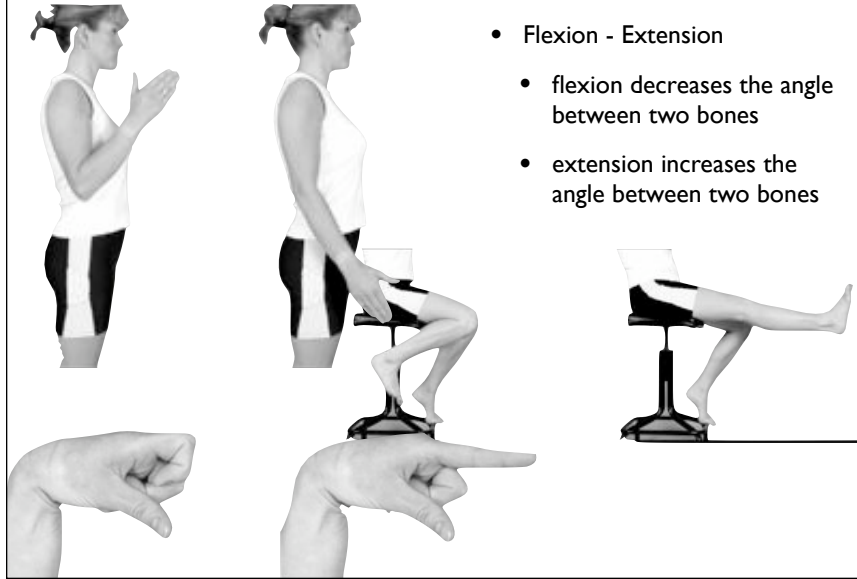


Lab 6

Muscle
Ex 15

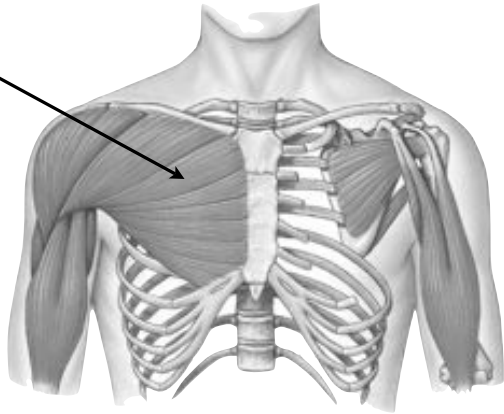
Body Movements



Torso

Insertion on the Humerus

pectoralis major

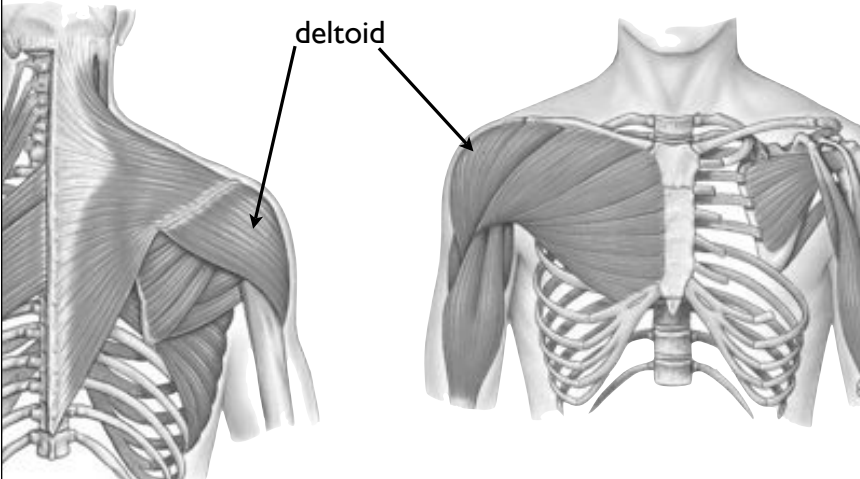


7

Torso

Insertion on the Humerus

deltoid

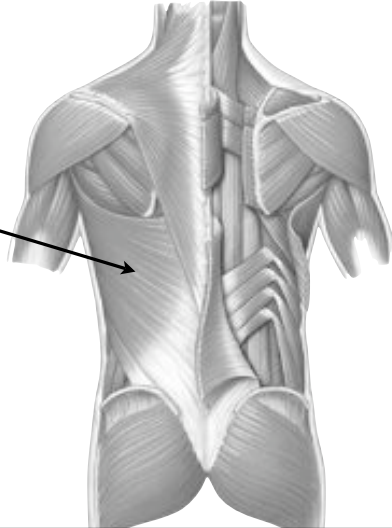


8

Torso

Insertion on the Humerus

latissimus dorsi

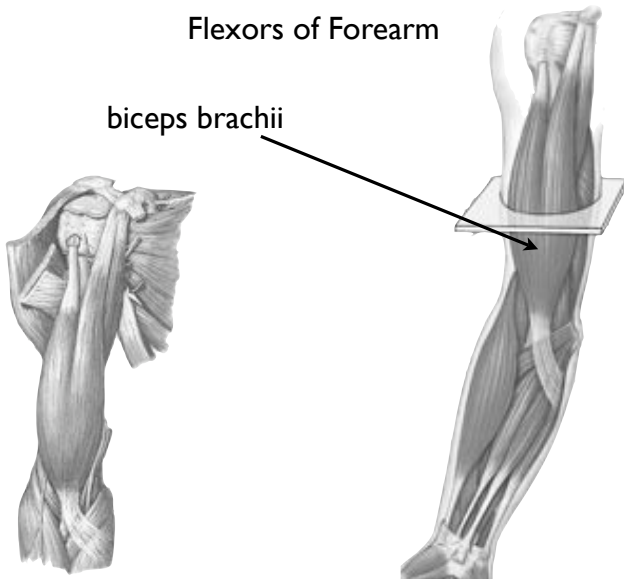


9

Arm

Flexors of Forearm

biceps brachii



10

Lower Leg

Anterior Muscles: Plantarflexion

gastrocnemius



soleus



21

Muscle Review



SKELETAL MUSCLE
Surrounded by:
Epimysium
Contains:
Muscle fascicles



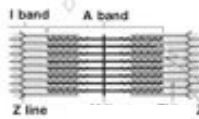
MUSCLE FASCICLE
Surrounded by:
Perimysium
Contains:
Muscle fibers



MUSCLE FIBER
Surrounded by:
Endomysium
Contains:
Myofibrils



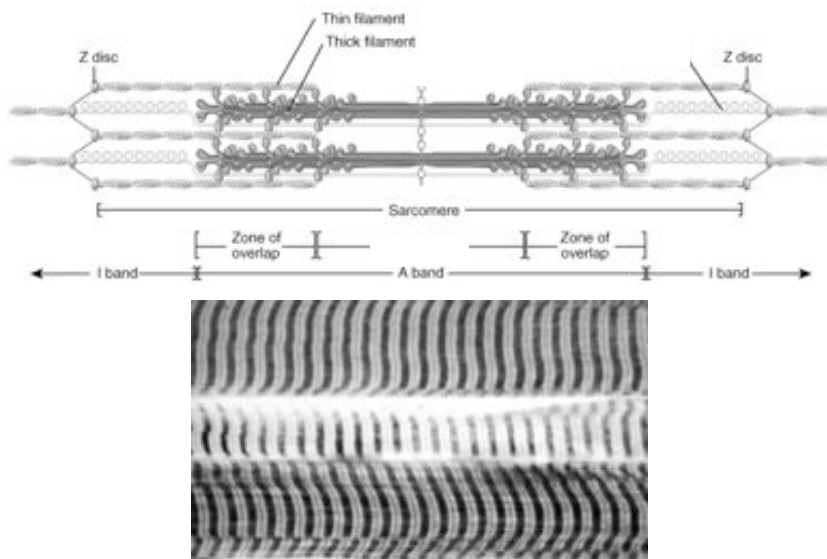
MYOFIBRIL
Surrounded by:
Sarcoplasmic
reticulum
Consists of:
Sarcomeres
(Z line to Z line)



SARCOMERE
Contains:
Thick filaments
Thin filaments

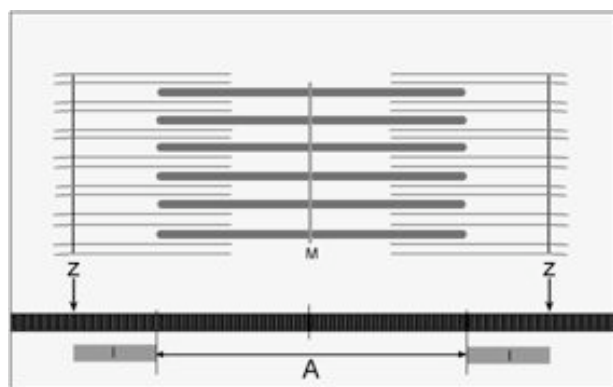
22

Sarcomere



23

Sarcomere



24

Sarcomere

- Neuron causes cell membrane depolarization
- Calcium is released from sacroplasmic reticulum
- Calcium causes active sites of actin to become exposed
- Myosin heads to move actin across the myosin
 - uses ATP as energy source

