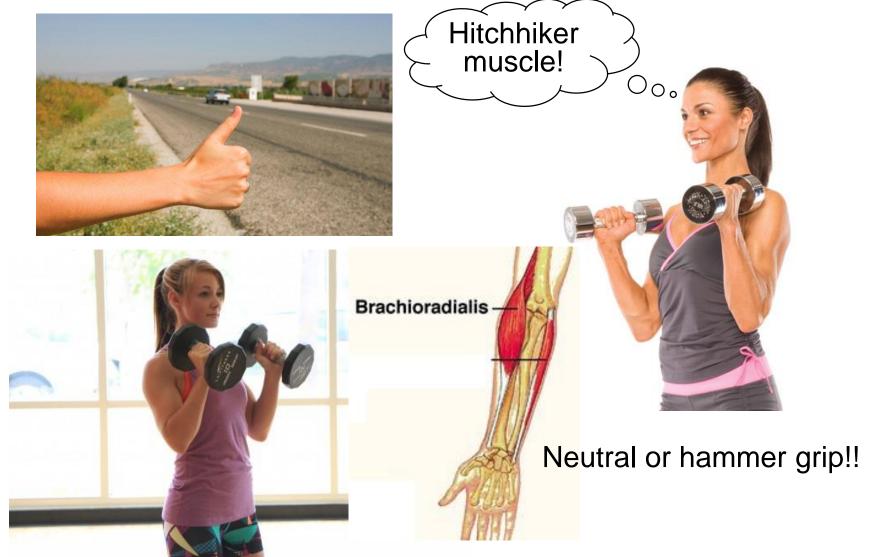
.Review + Discussion!

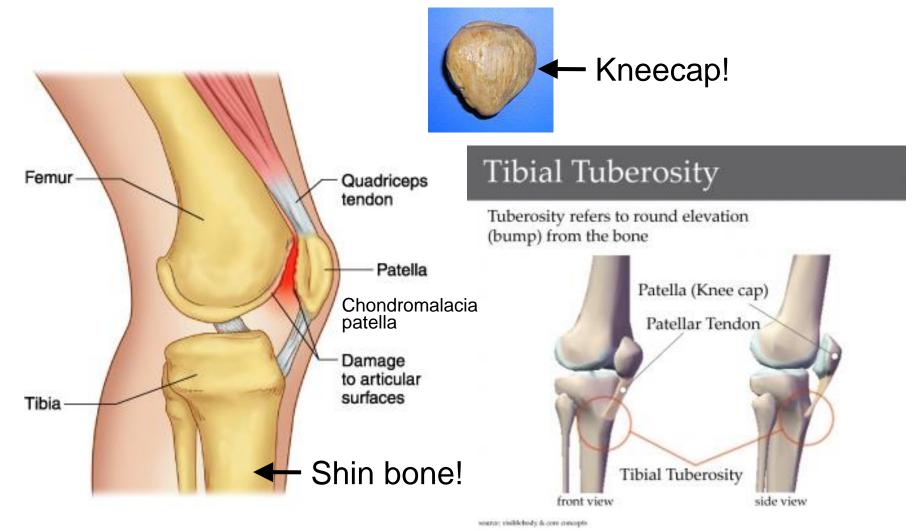
BI 199 APWT Discussion 7

- I. <u>Announcements</u> Topic outline due <u>next</u> Thursday. Future Anatomy Lab visits?
- II. Anatomy Lab Exploration Review
 - A. Brachioradialis, nickname, grip during curl?
 - B. Patella, nickname, tibia, nickname,...?
 - C. Rectus abdominis & obliques, exercises
 - D. Gluteal & posterior thigh muscles, exercises
 - E. Triceps brachii, exercises, supersetting
 - F. Trapezius & posterior deltoid, exercises
- III. Getting to Know You + Discussion
 Any questions for me are open game!

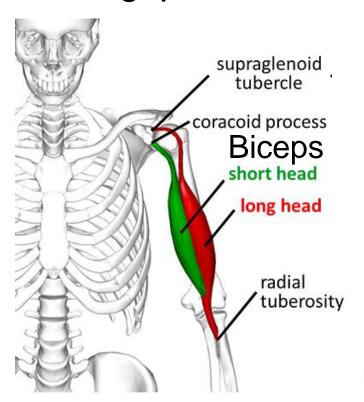
Can you identify the *brachioradialis* muscle? What is its *nickname*? Which *grip during a biceps curl* stresses this muscle?



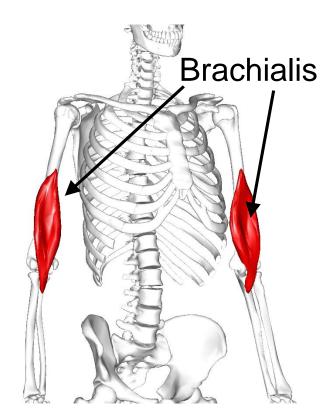
Is the *patella* visible? What is its *nickname*? Can you find the *tibia*? What is its *nickname*? Where does the *patellar tendon* insert onto the tibia? Is it patellar *tendon* or a *ligament*? Explain briefly.



Can you find the *biceps brachii long* and *short* heads? What *two actions* does the biceps brachii do? Where is the *brachialis* compared to the biceps? What *grip* isolates the *brachialis*?

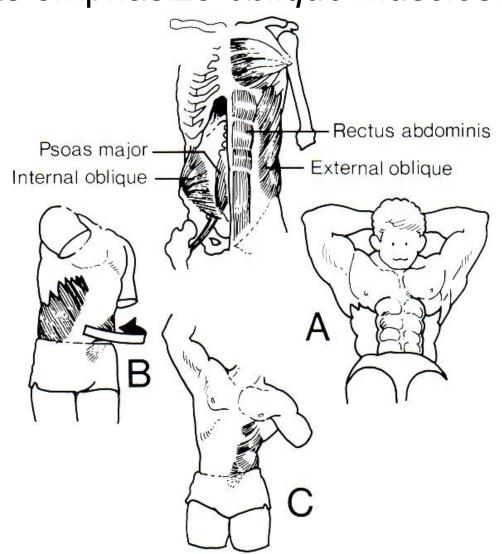


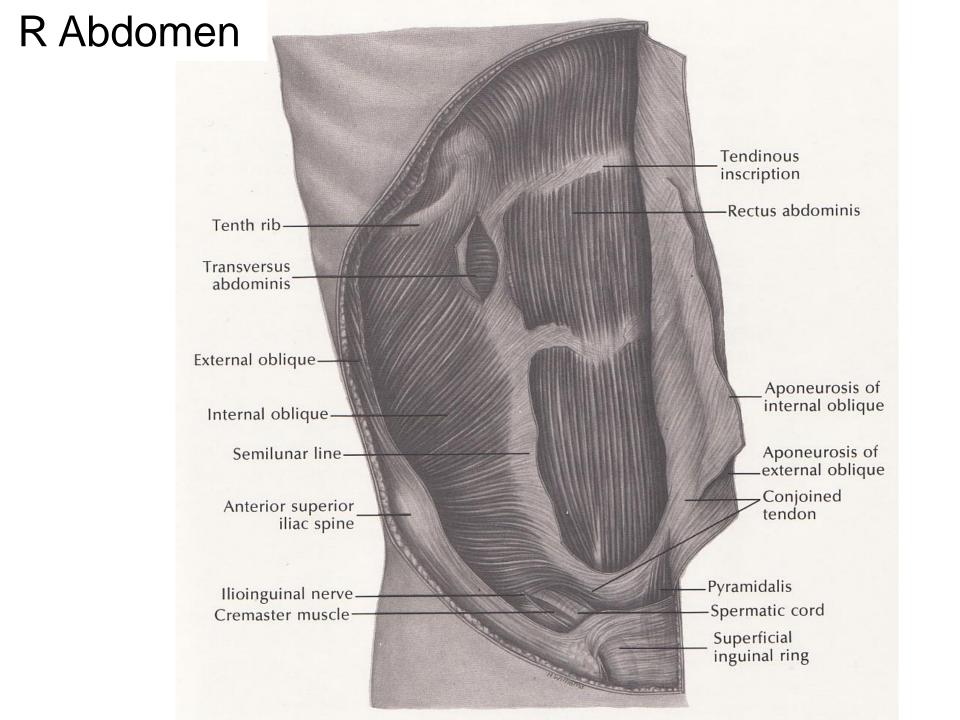




<u>Pronated</u>/Reverse Grip stresses <u>Brachialis</u>! <u>https://www.youtube.com/watch?v=5QxggbUvkbg</u> <u>Supinated</u>/Palms up Grip stresses <u>Biceps Brachii</u>?

Identify the rectus abdominis, external oblique and internal oblique muscles if dissected. What exercise/s stress/es the rectus abdominis? What movements emphasize oblique muscles?

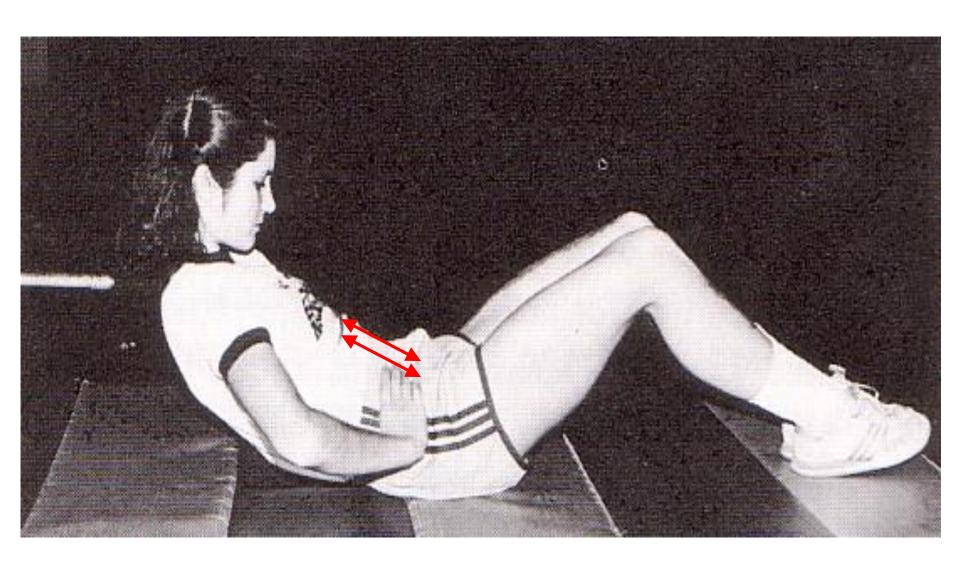




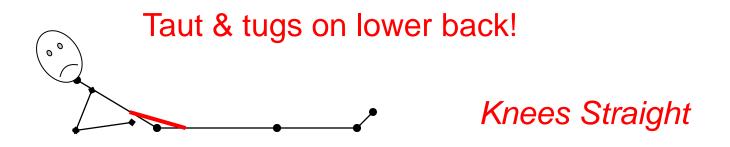
R Lower Abdomen

External oblique Rectus abdominis Internal oblique

Trunk flexion activates rectus abdominis muscles



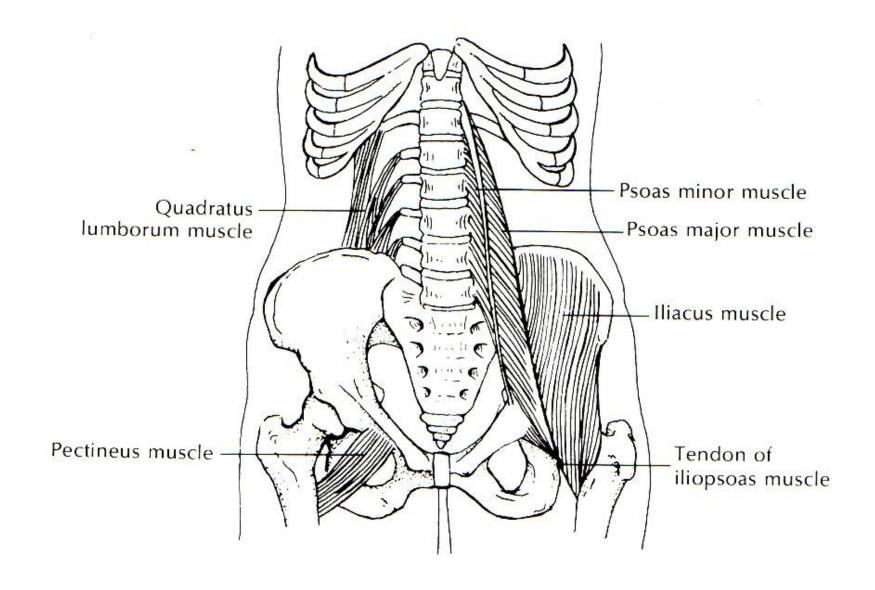
Iliopsoas with Knees Straight vs. Bent?



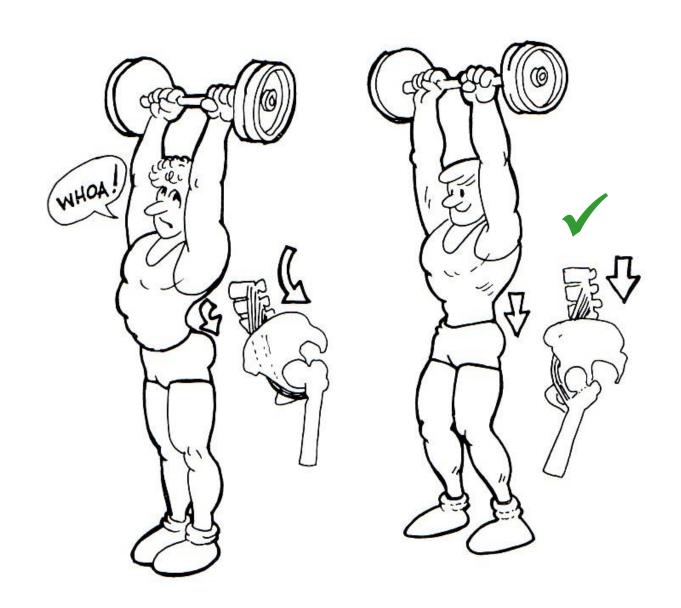


Hip Flexors? *Iliopsoas, rectus femoris, sartorius* Feet Anchored vs. *Unanchored*? *Unanchored*

↓ Lower back stress by flexing hips & bending knees

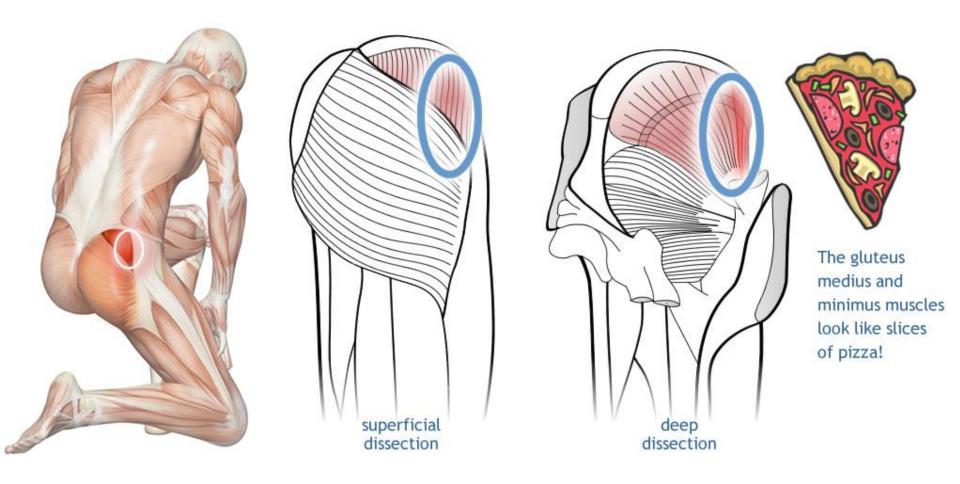


Contract abdominals, bend knees, widen stance to reduce back stress!



Identify the *gluteal* and *posterior thigh*/hamstring muscles. Is the dissection completed enough to differentiate *gluteus maximus*, *medius* and *minimus* muscles? Can you identify the *biceps femoris*, *semitendinosus* and *semimembranosus* muscles? What *exercise*/s work/s *gluteal* and *hamstring* muscles, simultaneously?

Deeper Gluteal Muscles Look Like Pizza Slices!! Superficial to Deep: *Maximus, Medius, Minimus!*

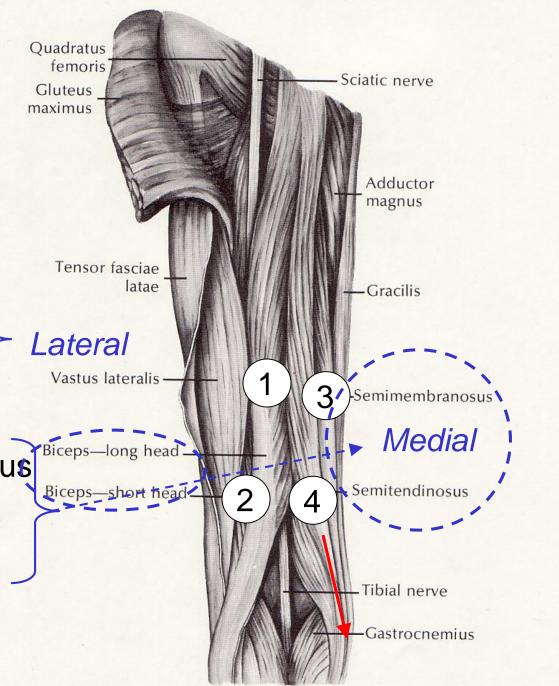


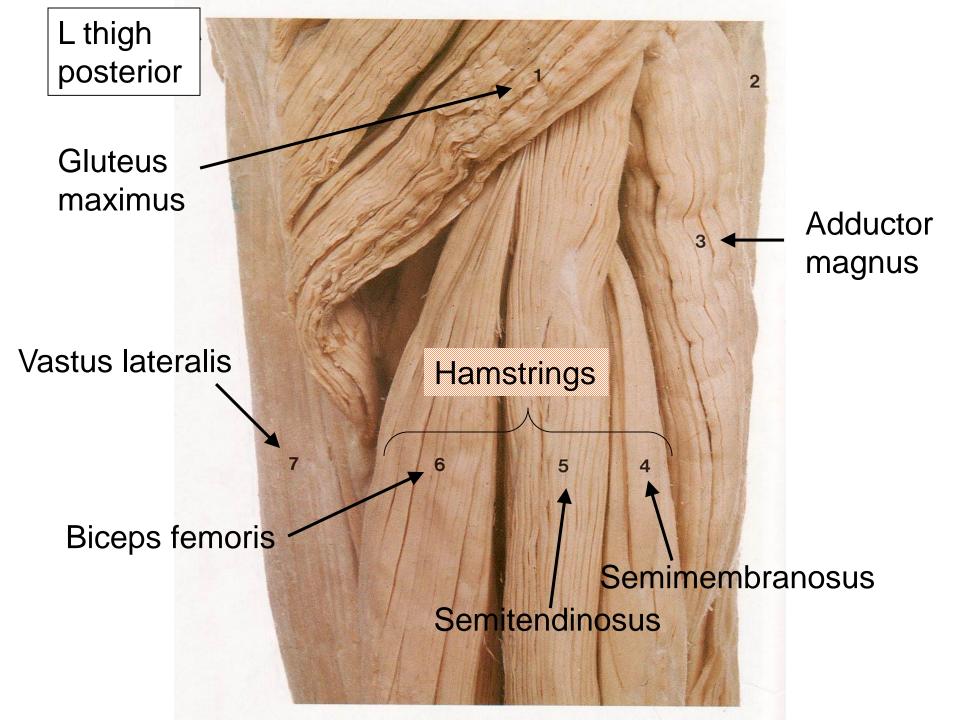
http://www.anatomyexpert.com/structure_detail/5715/
Image Source: http://saveyourself.ca/articles/spot-06-gluteus-medius.php

L thigh posterior

Hamstring Group

- 1 Biceps femoris (long)
- 2 Biceps femoris (short)
- 3 Semimembranosus Biceps—long head—
- (4) Semitendinosus





What *exercise*/s work/s *gluteal and hamstring* muscles, simultaneously?

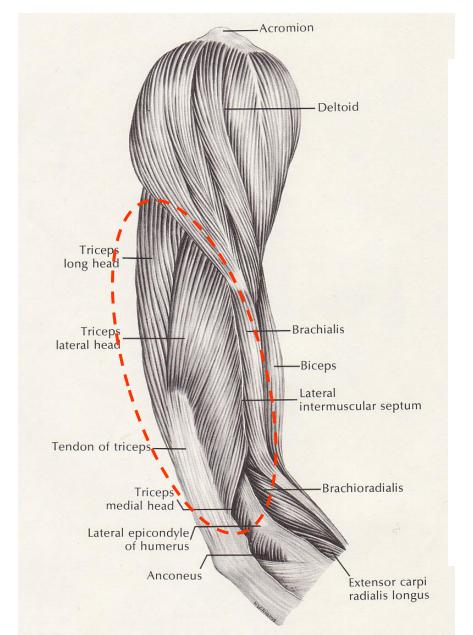
Squat Lunge





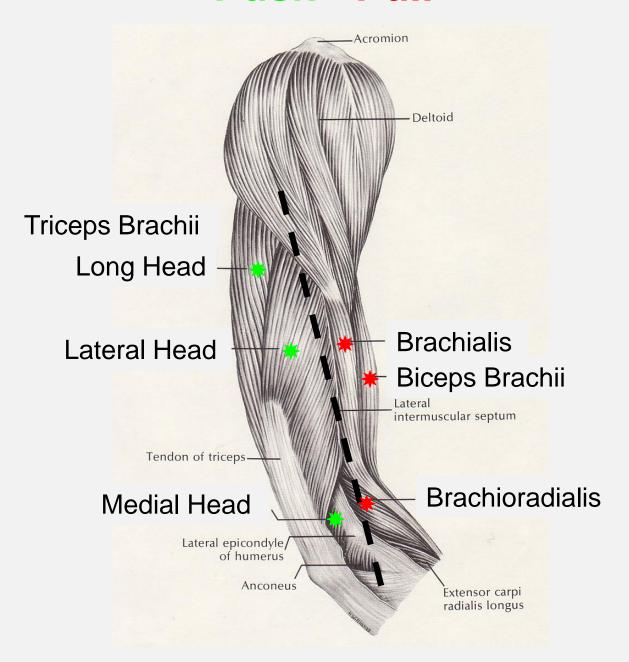


Identify the *triceps brachii*. List all *three heads* below. What *exercise/action* works the *posterior arm*?

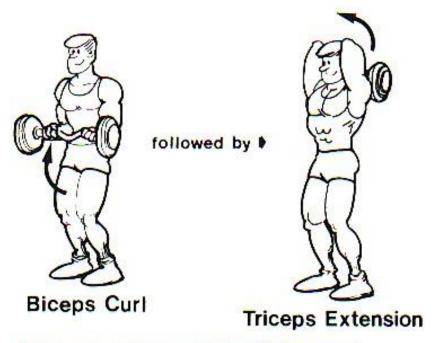


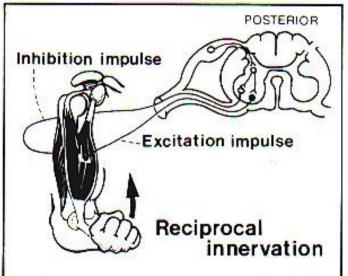


Push - Pull



Within Same Workout – Superset to Save Time!

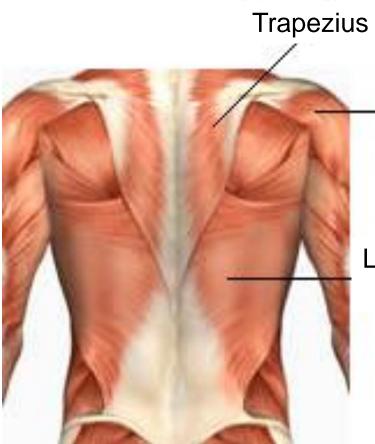




NB: Antagonistic relaxes while agonistic works.

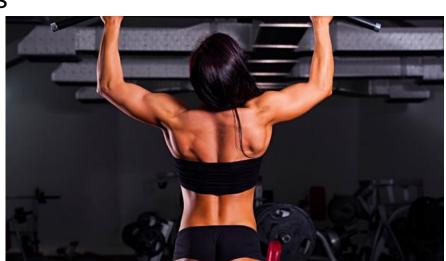
Can you identify the *trapezius* and *posterior deltoid* muscles? What are these muscles shaped like, respectively? What

exercises help isolate these two muscles?

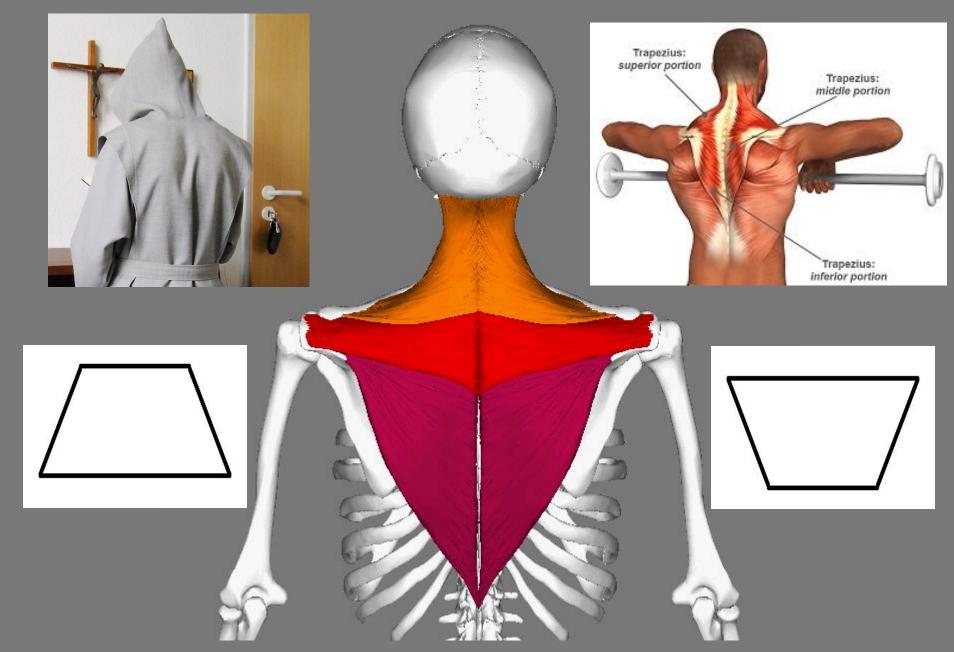


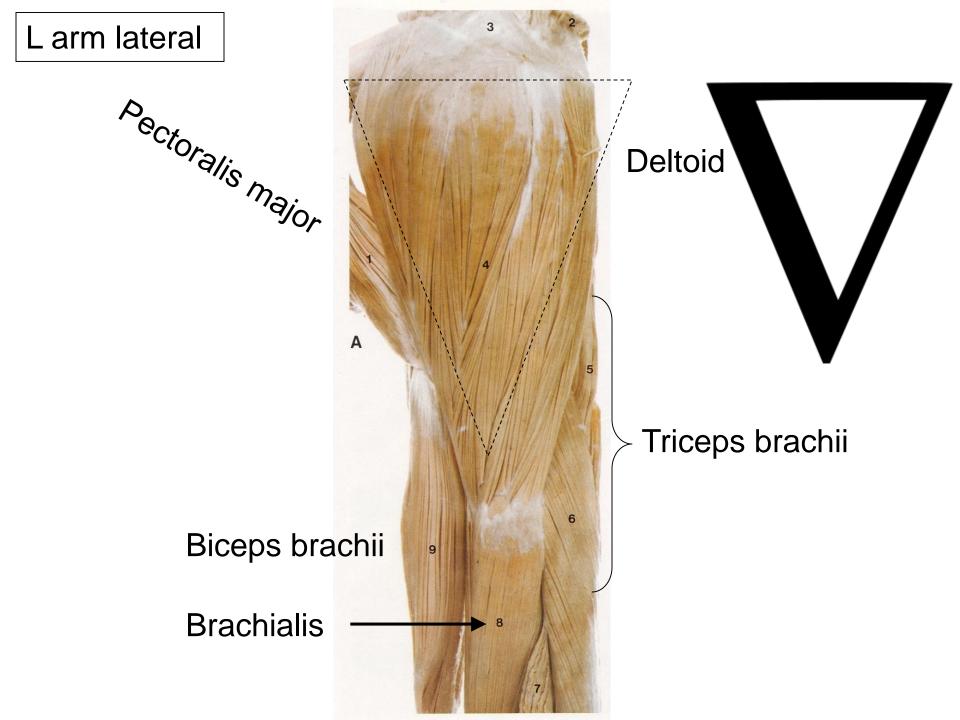
Posterior Deltoid

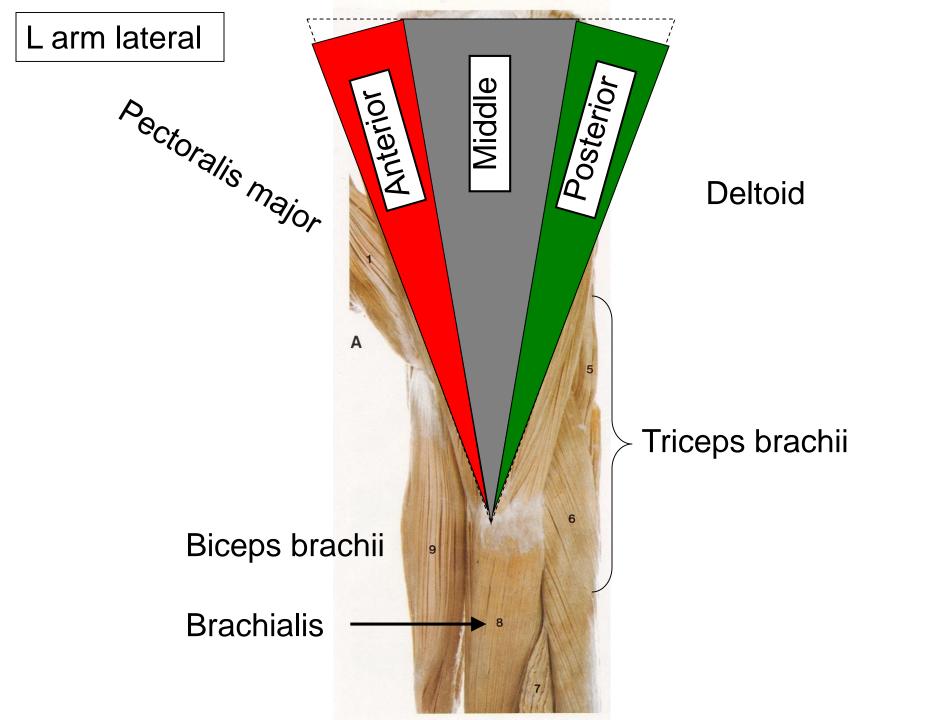
Latissumus Dorsi



Trapezius = Shaped like a Trapezoid



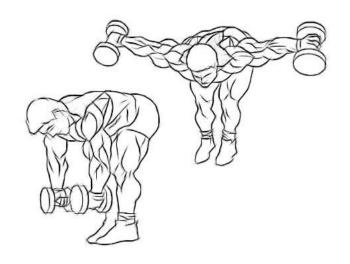


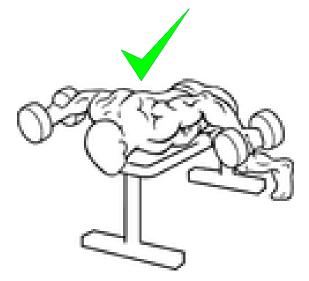


Posterior Deltoid Raises









Time-out for discussion!

