

PRACTICAL 4:

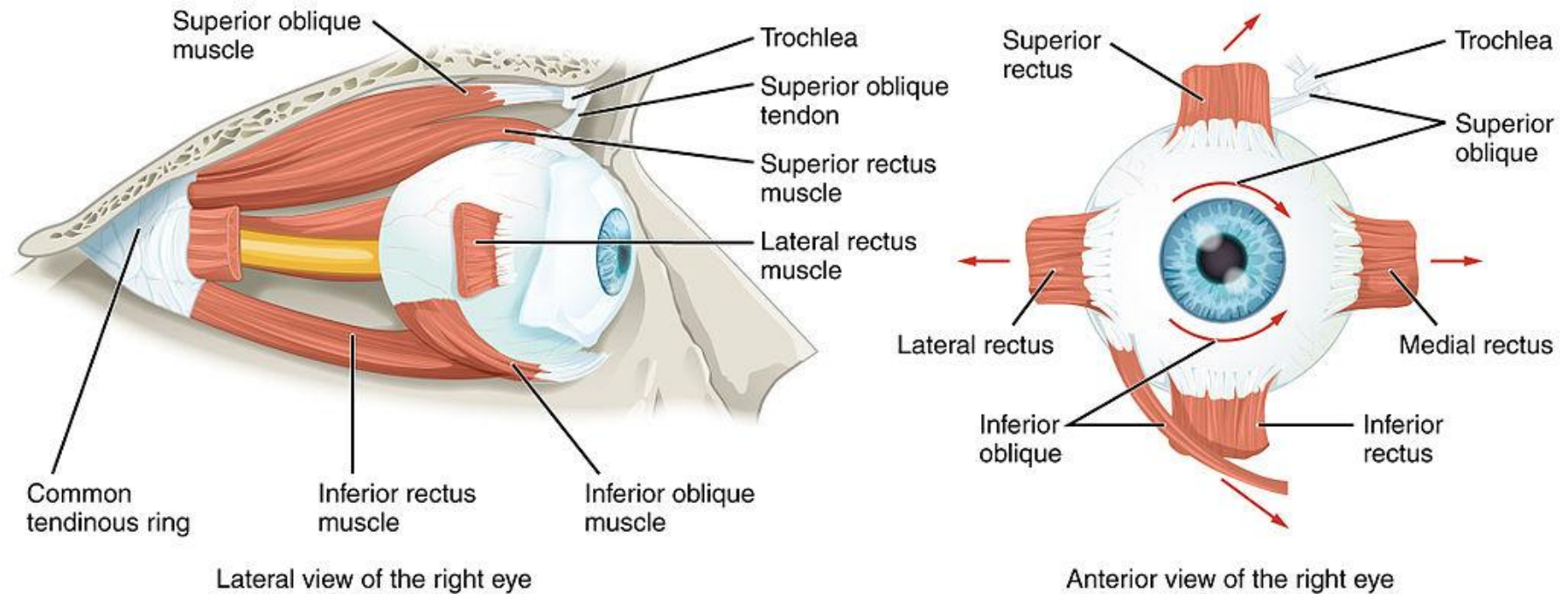
THE MUSCULAR SYSTEM – LECTURER'S GUIDE

Full Name:	
Matric No:	
Programme:	
Date of Submission:	
Objective (s):	Identify, locate and understand the origin, insertion, action, type of muscle fascicle and nerve innervation for the muscles that move the: 1. Eye 2. Facial expression 3. Mandible (chewing) 4. Extrinsic muscles of the tongue 5. Neck 6. Shoulder 7. Abdominal wall (Anterior & Posterior) 8. Back (dorsal) 9. Lumbar region 10. Thoracic (breathing) 11. Pectoral girdle 12. Humerus (Brachial region) 13. Radius & ulna (Antebrachial, Carpal & Manual) 14. Vertebral column & pelvic 15. Femur & Knee 16. Gluteal 17. Tibia & Fibular 18. Anogenital/Pelvic floor 19. Foot & Toes

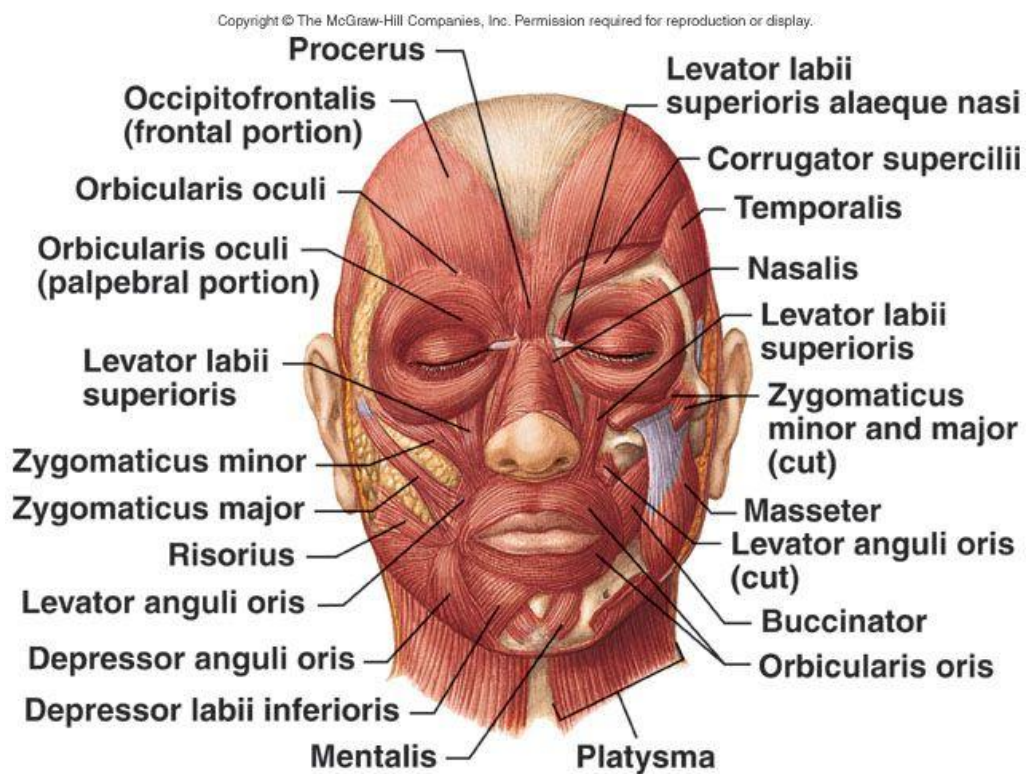
INSTRUCTION (S):

Identify, locate and understand the origin, insertion, action, type of muscle fascicle and nerve innervation for the muscles that move the:

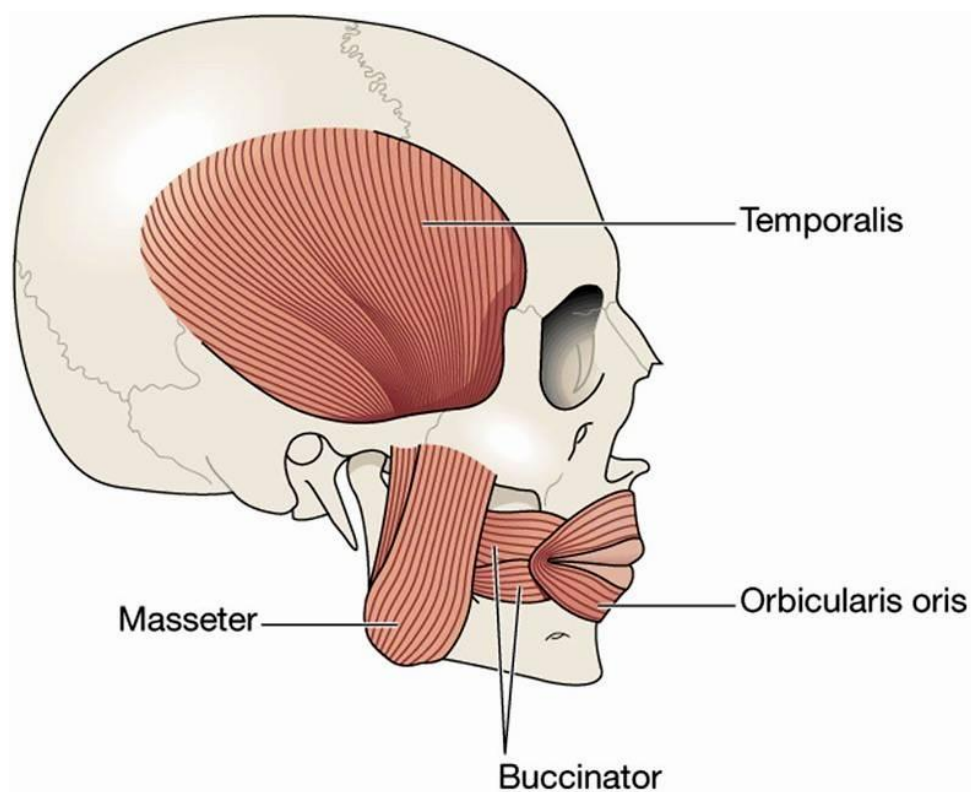
1. Eye



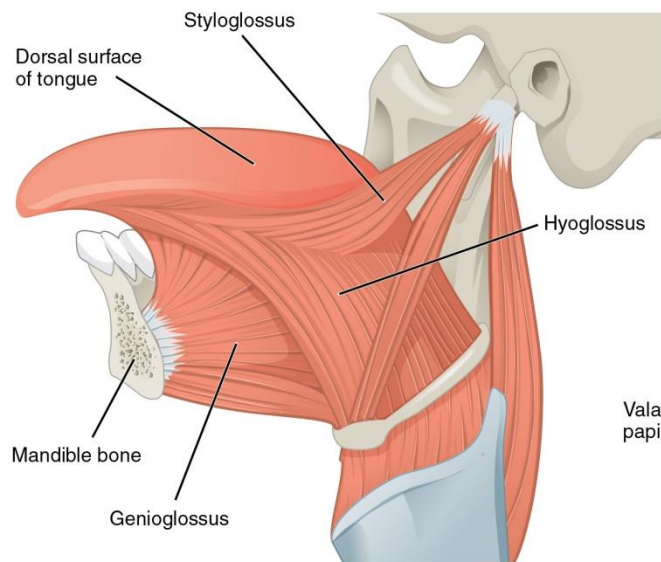
2. Facial expression



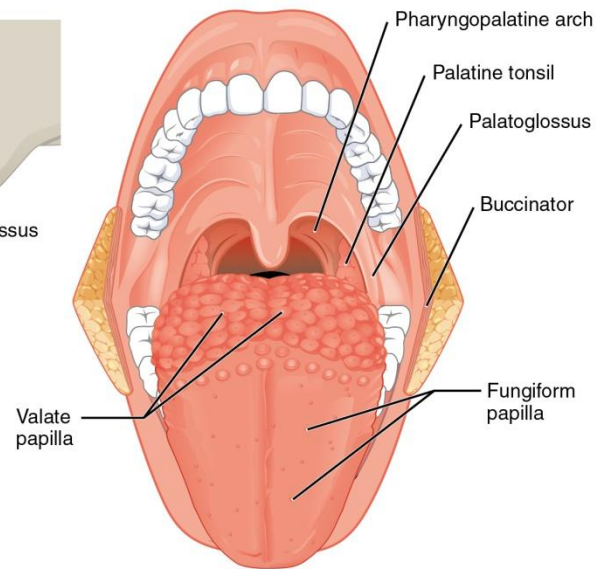
3. Mandible (chewing)



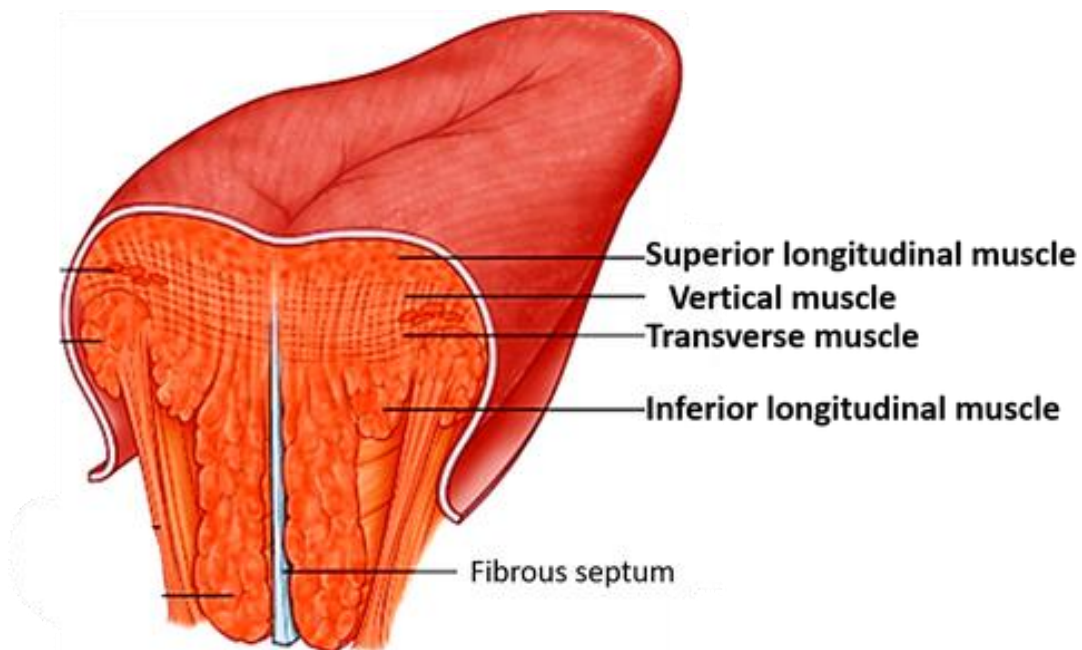
4. Extrinsic muscles of the tongue



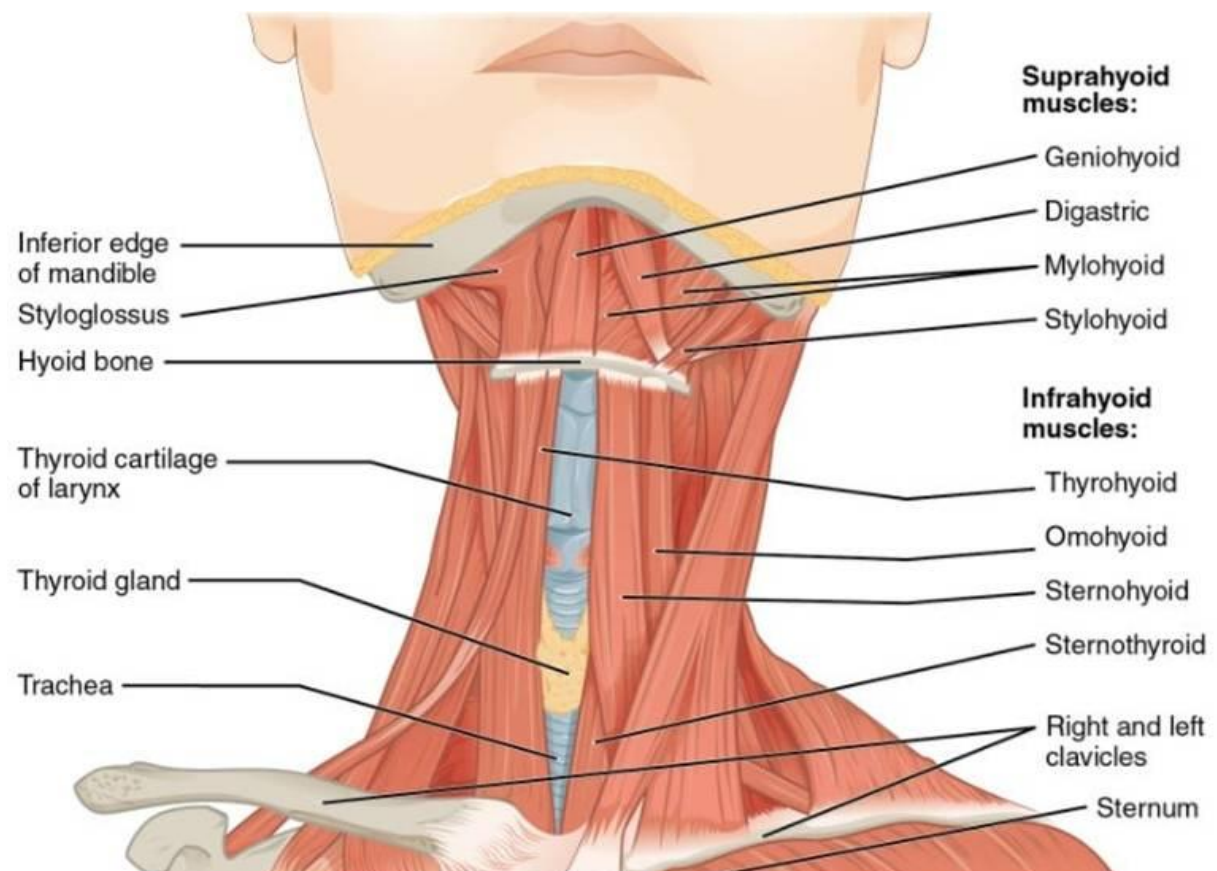
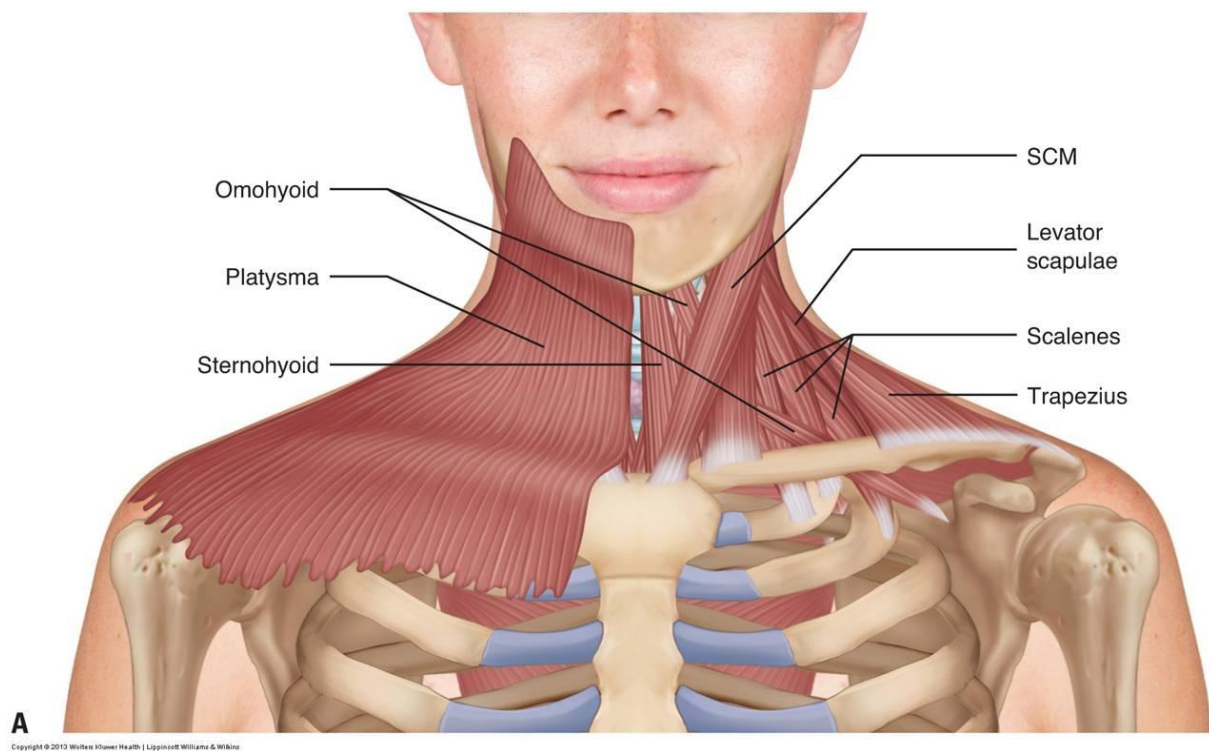
(a) Extrinsic tongue muscles



(b) Palatoglossus and surface of tongue

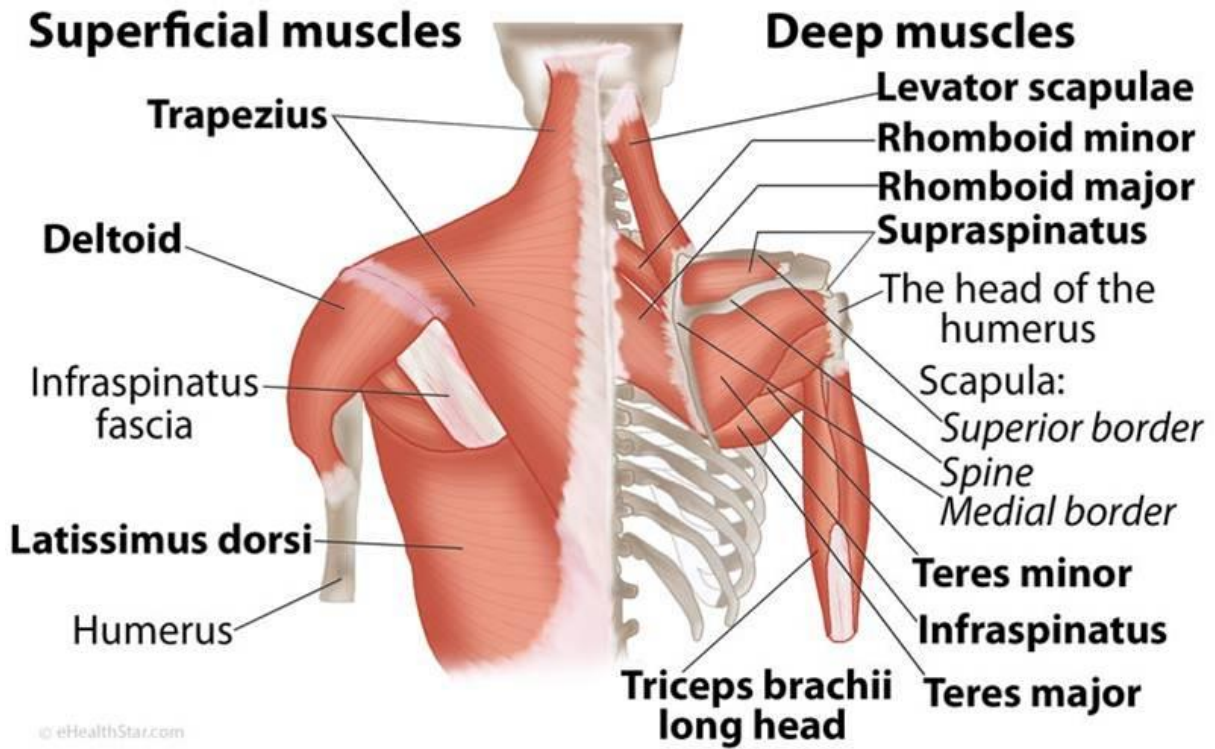


5. Neck (Anterior)

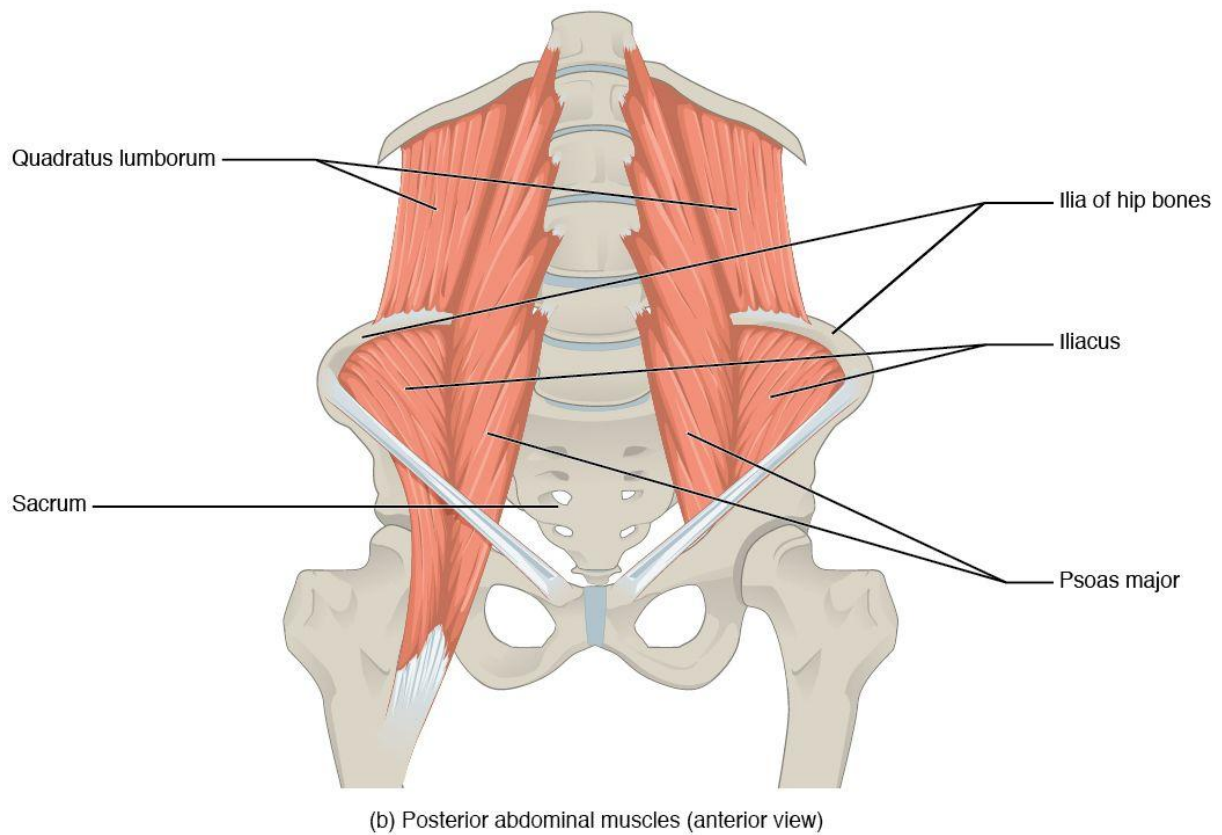
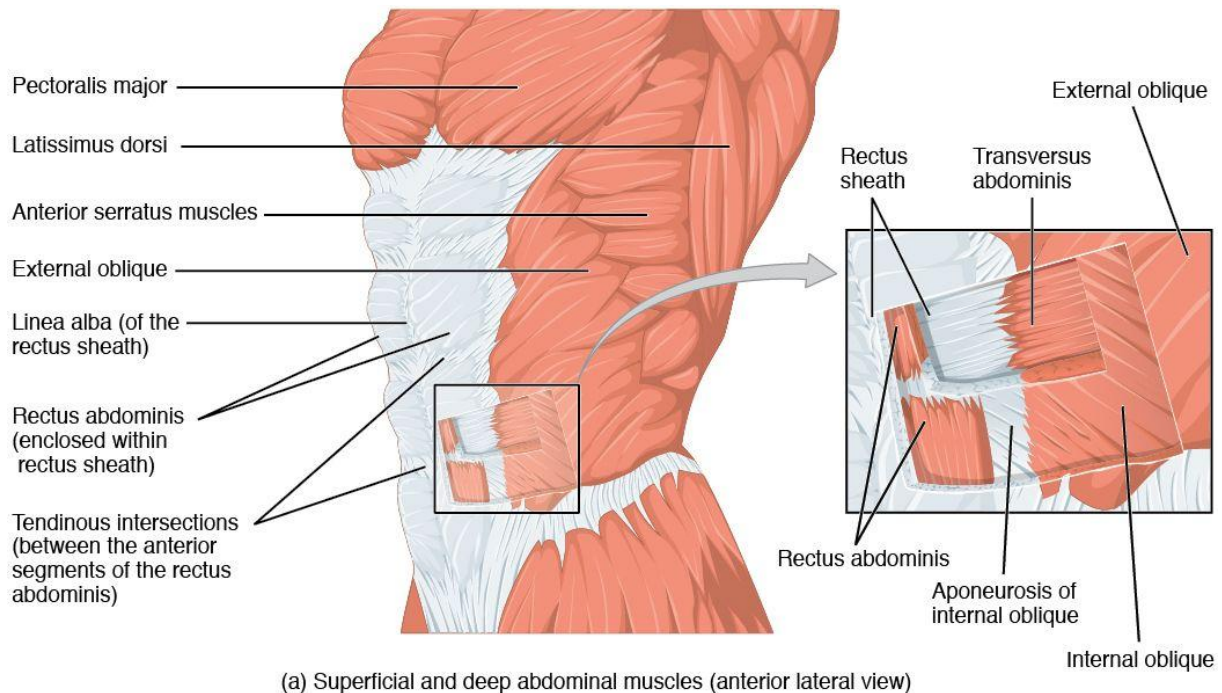


Shoulder Muscles

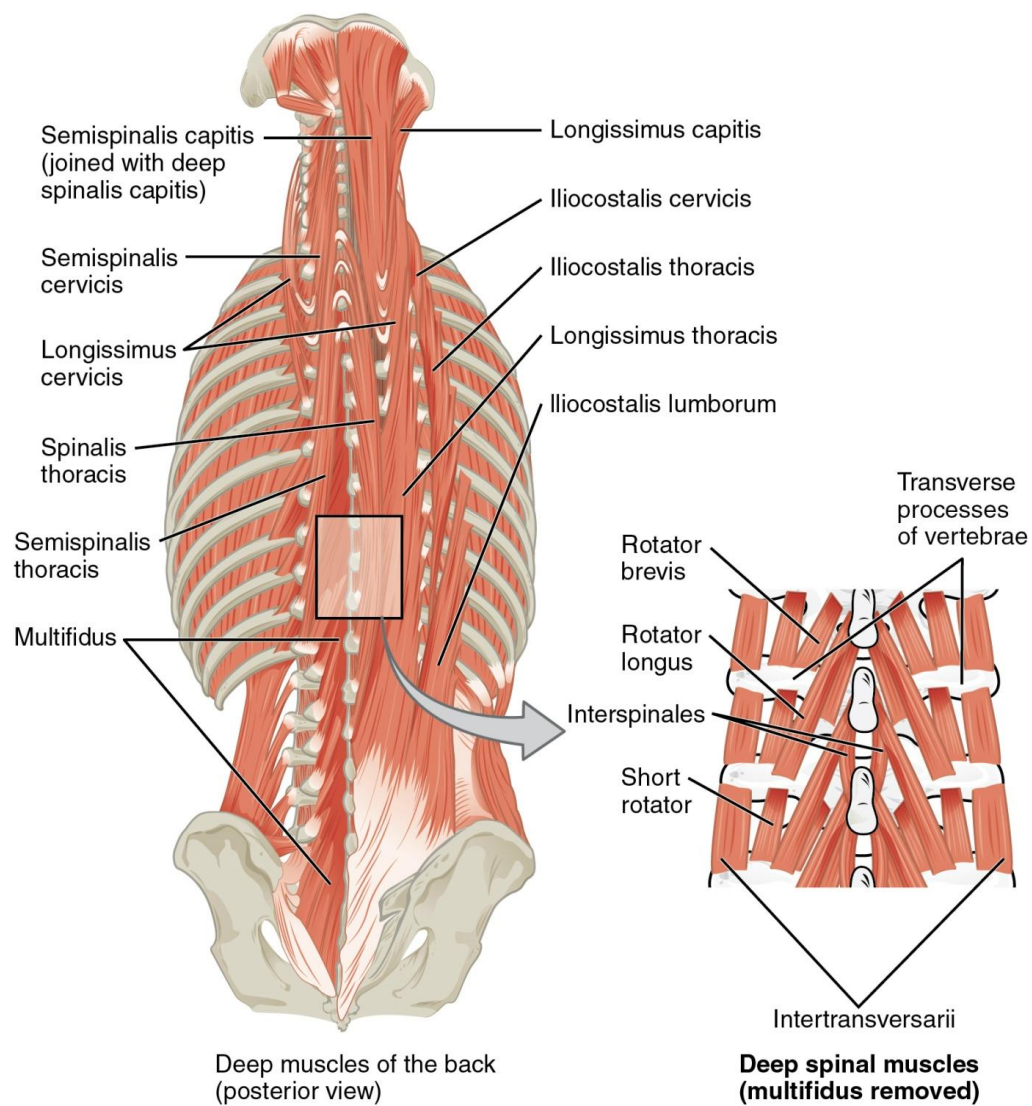
Back view



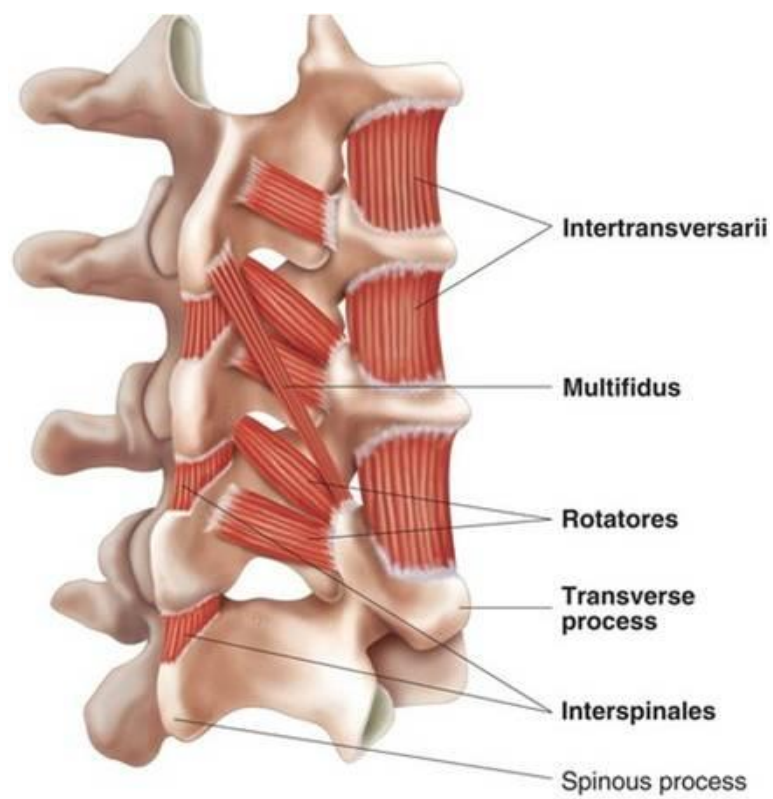
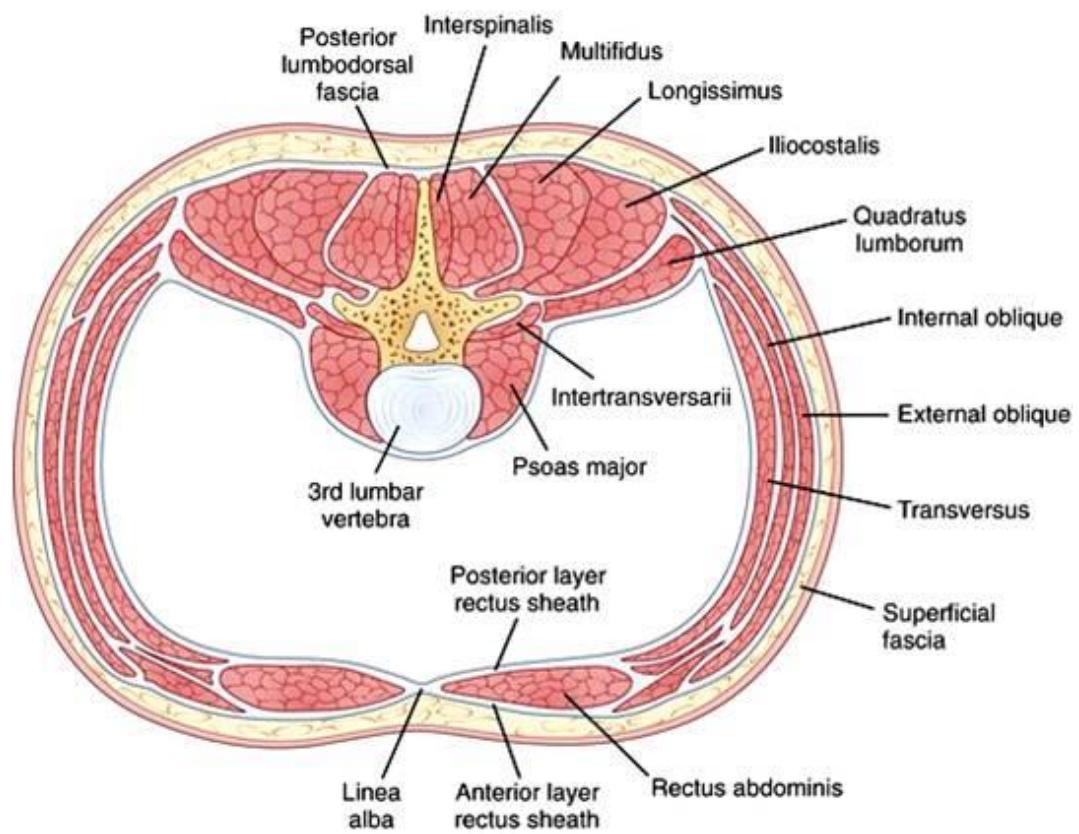
7. Abdominal wall (Anterior & Posterior)



8. Back (dorsal)



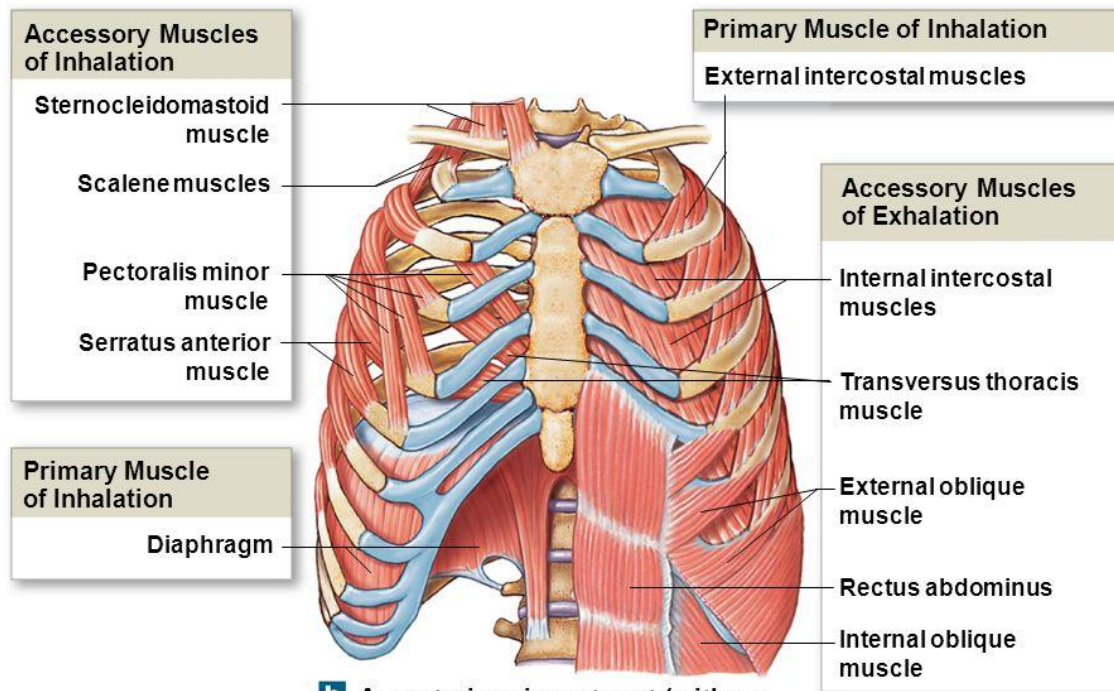
9. Lumbar region



Posterolateral view

10. Thoracic (breathing)

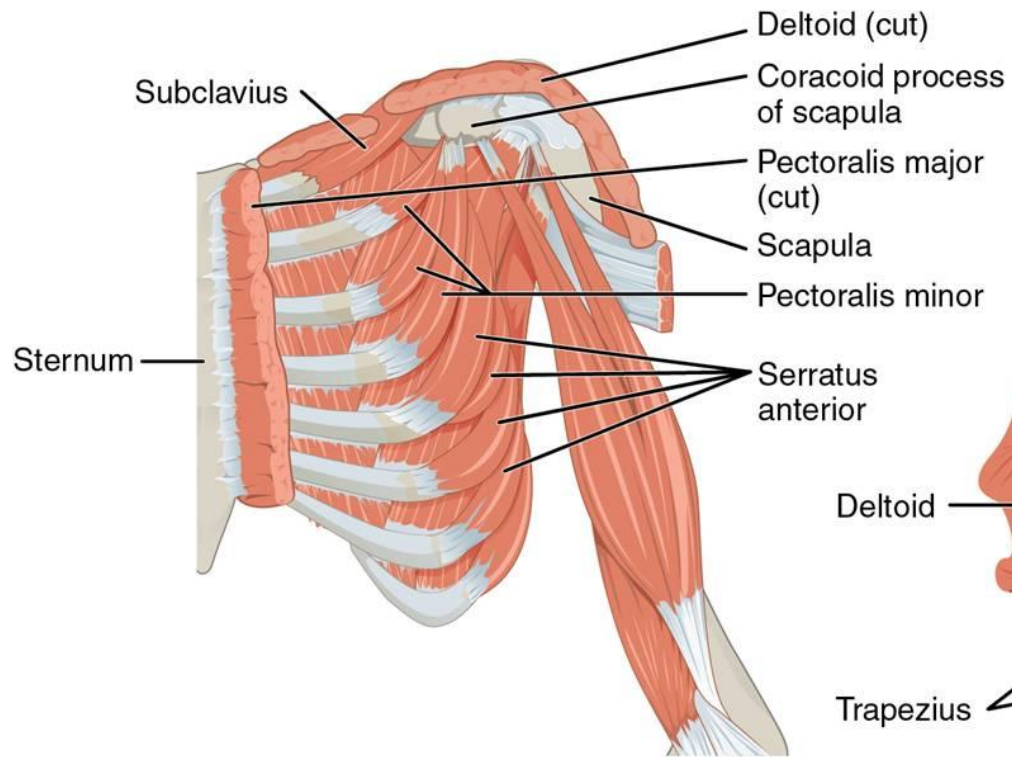
Figure 23-16b The Respiratory Muscles



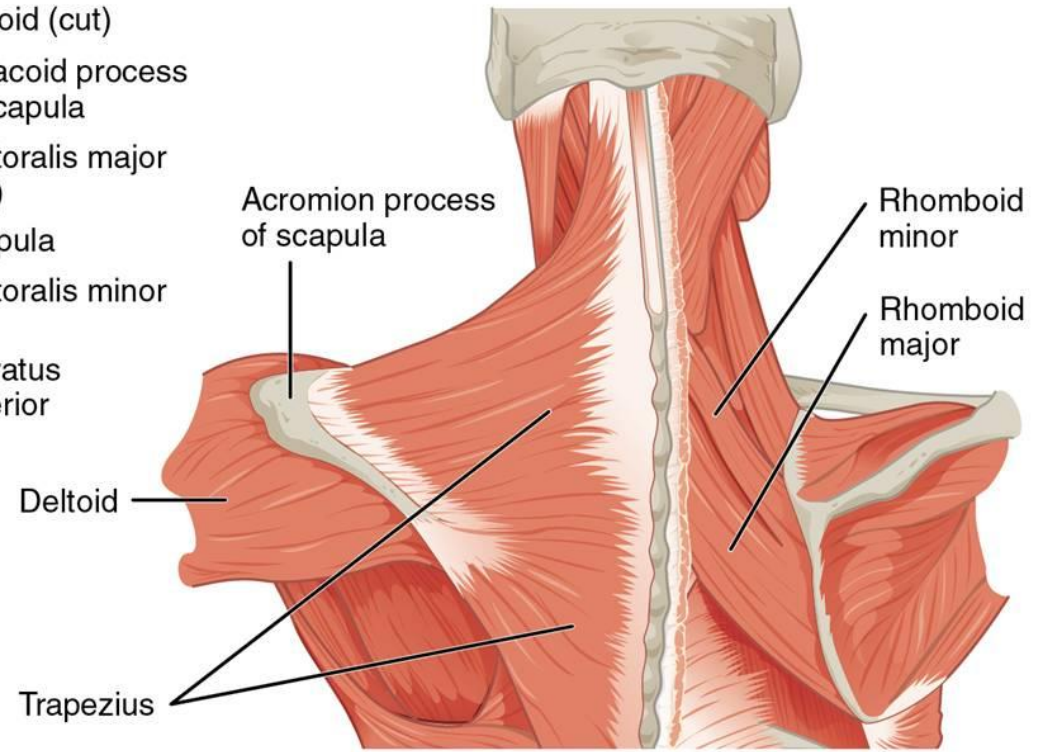
b An anterior view at rest (with no air movement), showing the primary and accessory respiratory muscles.

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11. Pectoral girdle

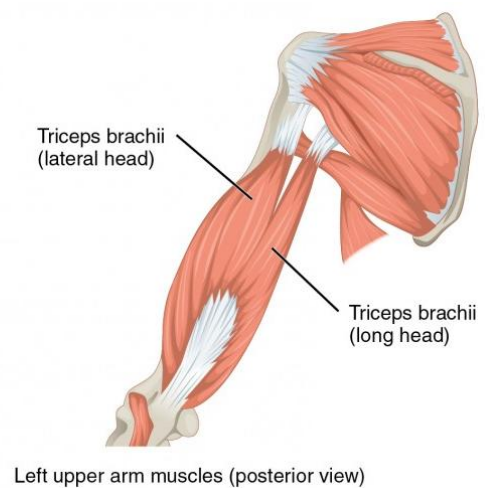
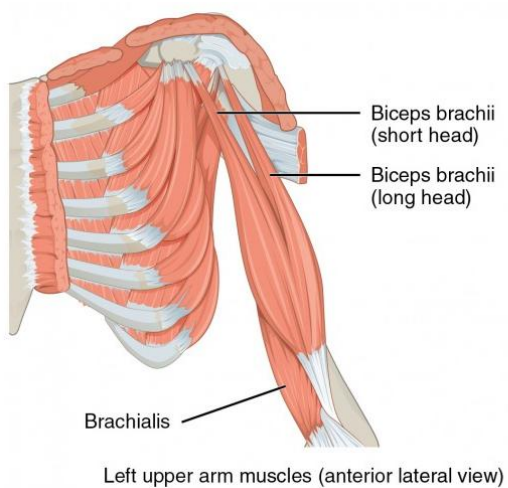
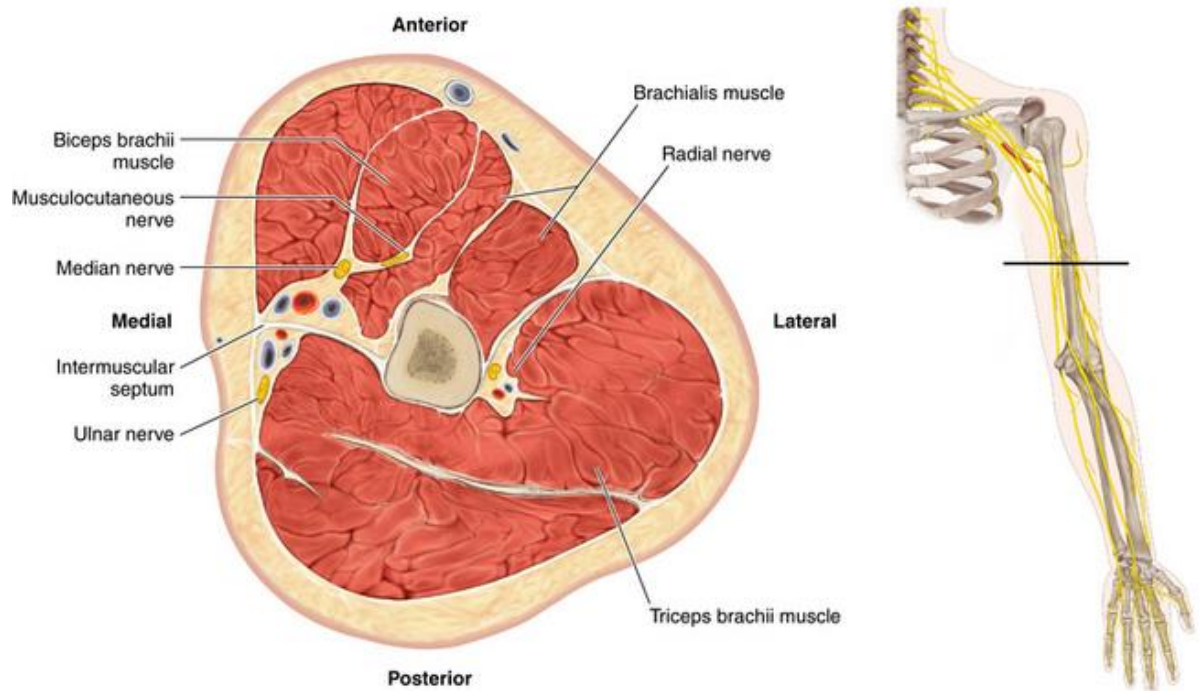


Pectoral girdle muscle (left anterior lateral view)

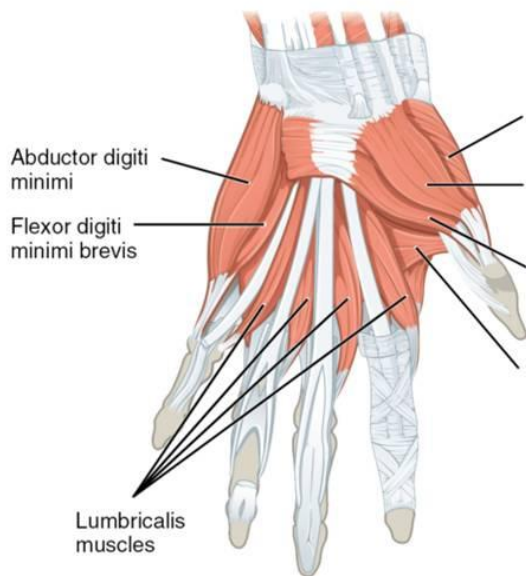


Pectoral girdle muscles (posterior view)

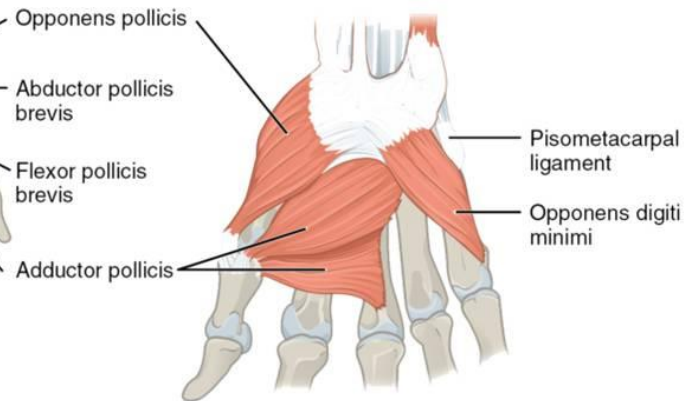
12. Humerus (Brachial region)



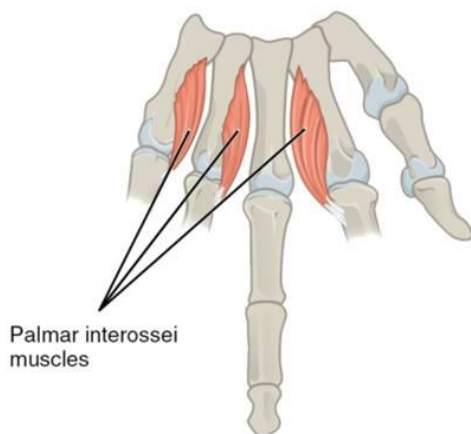
13. Radius & ulna (Antebrachial, Carpal & Manual)



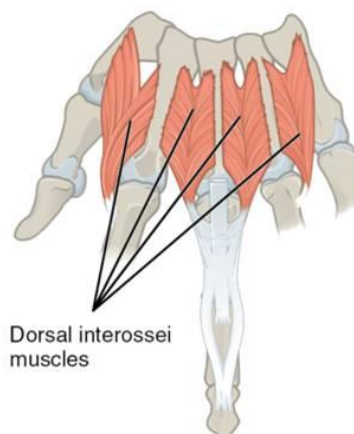
Superficial muscles of left hand (palmar)



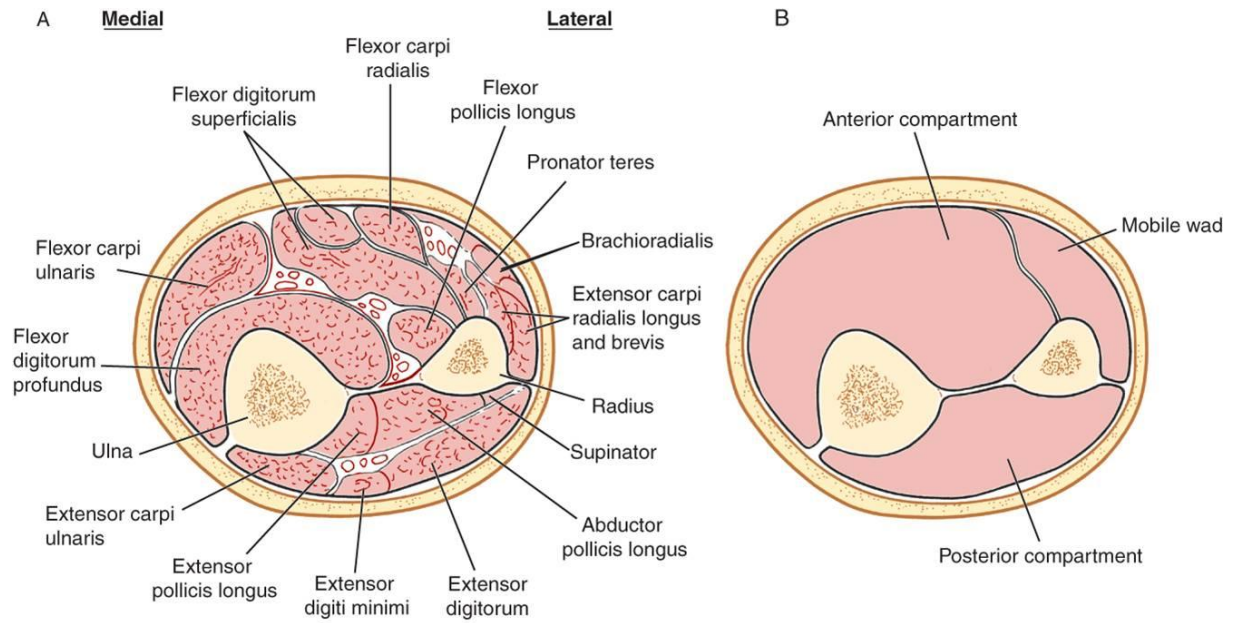
Deep muscles of left hand: (dorsal view)



Interossei muscles of left hand (palmar view)

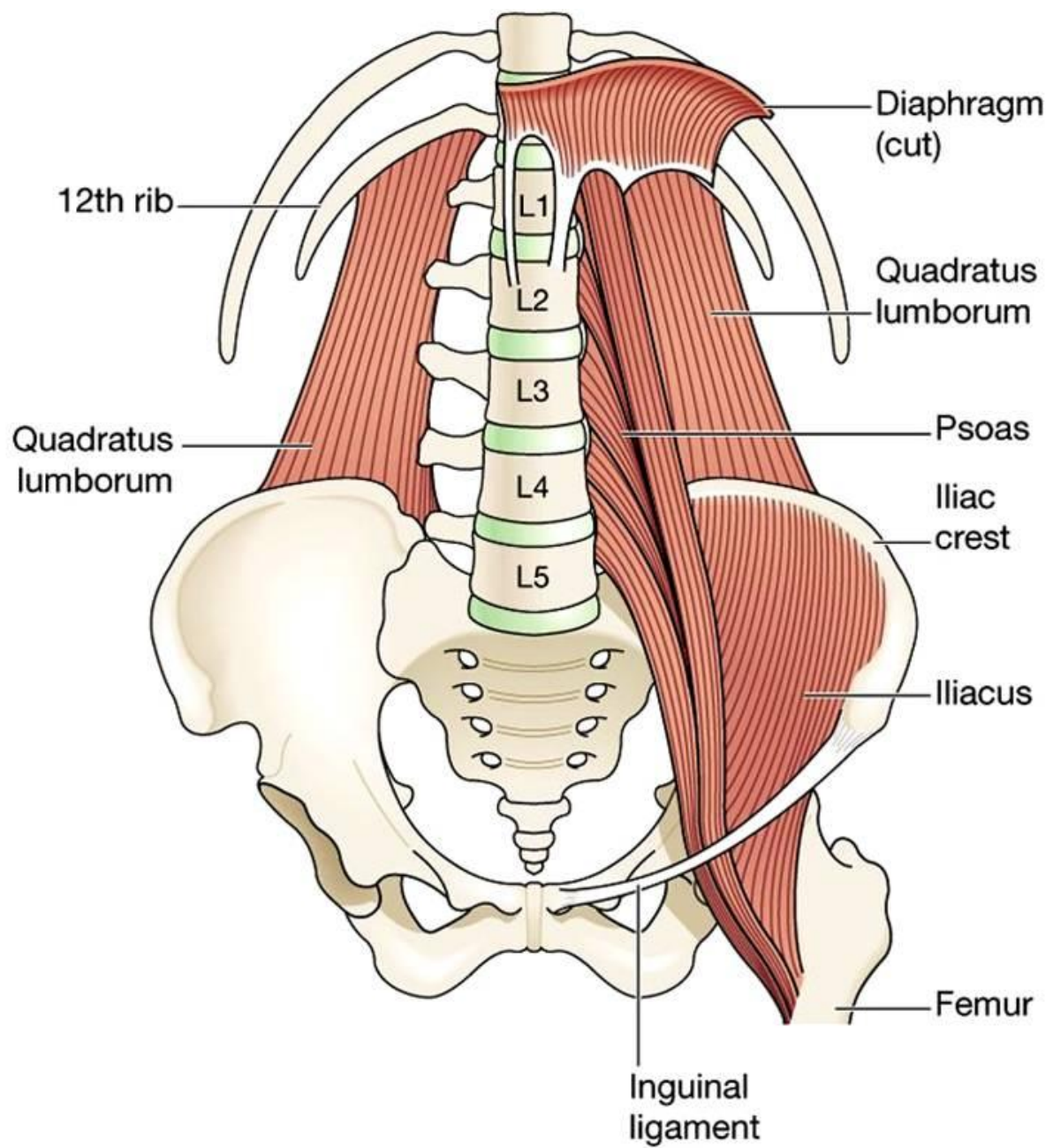


Interossei muscles of left hand (dorsal view)

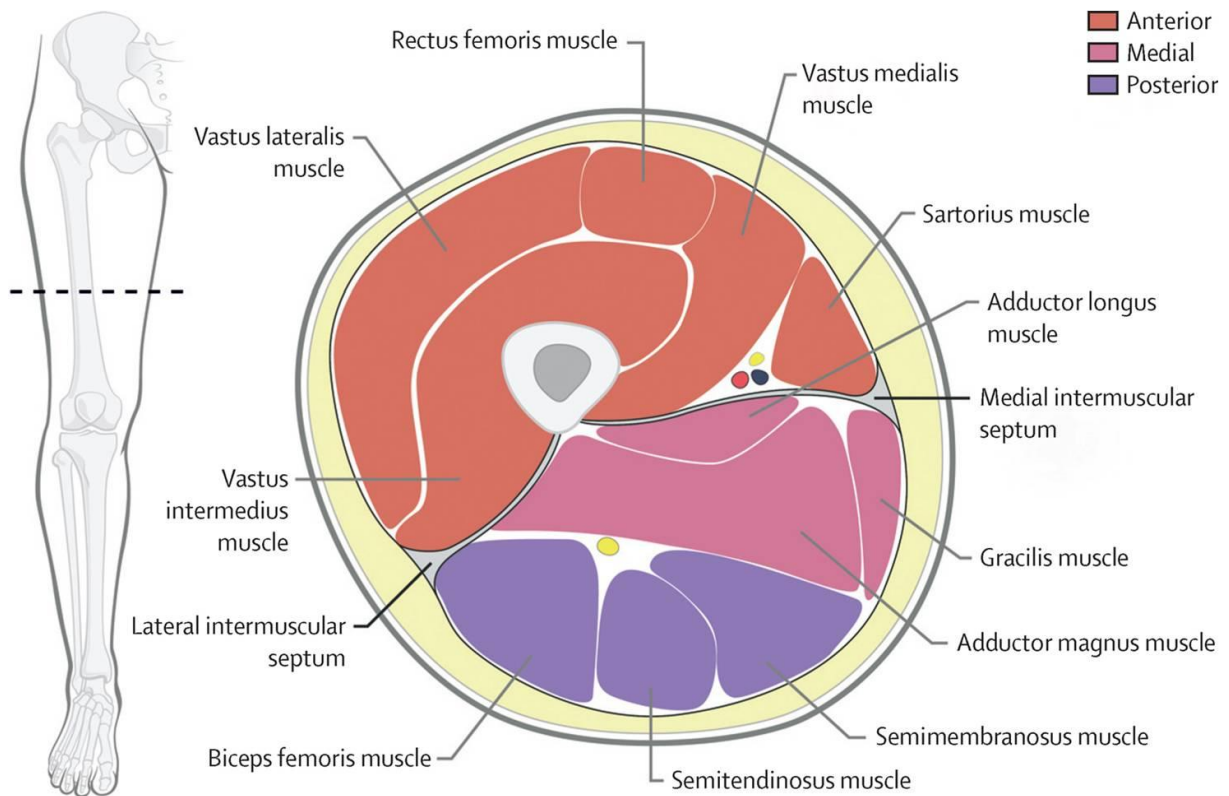


Source: Reichman EF: *Emergency Medicine Procedures*,
Second Edition: www.accessemergencymedicine.com
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14. Vertebral column & pelvic

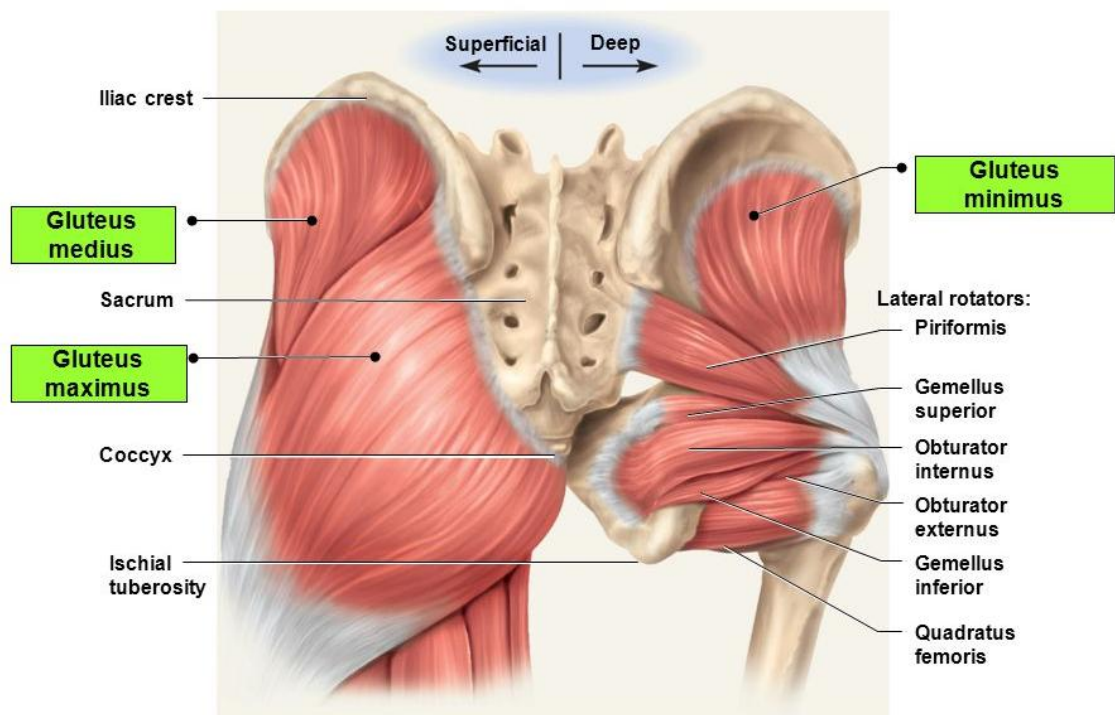


15. Femur & Knee

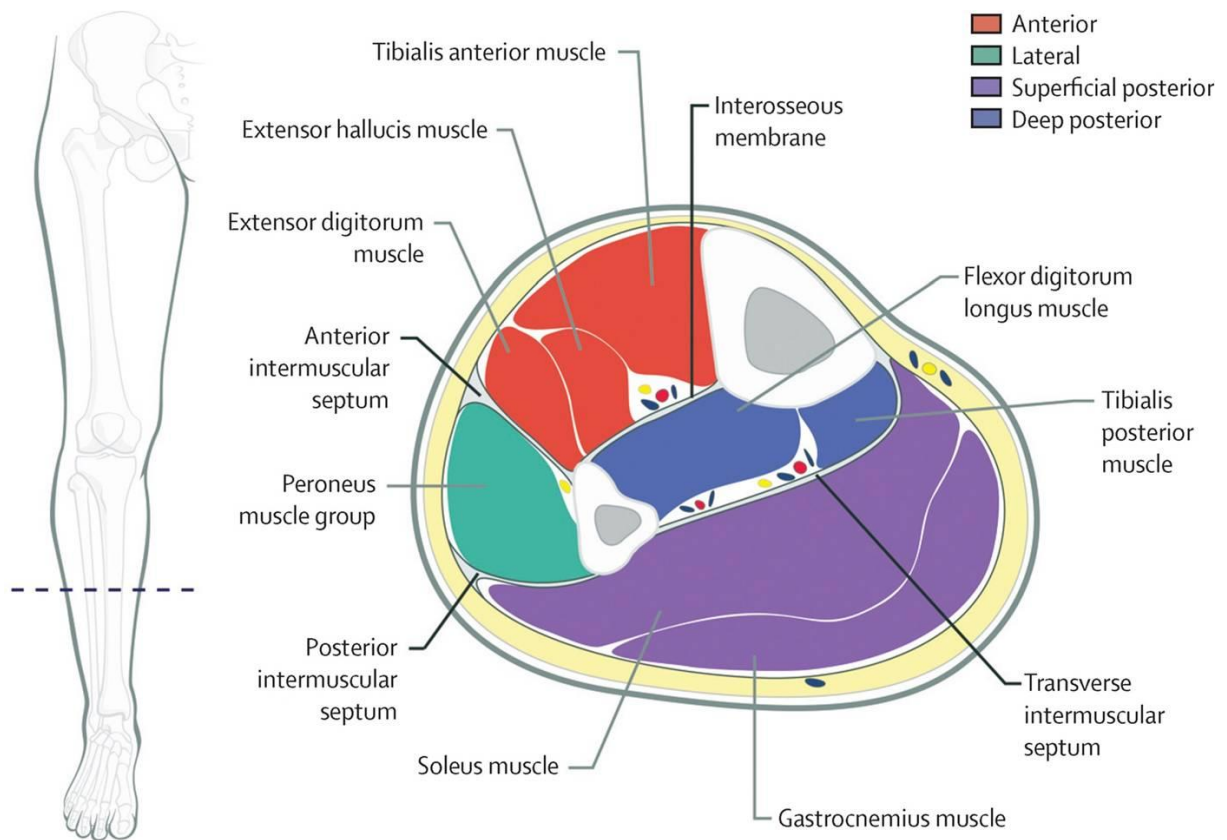


16. Gluteal

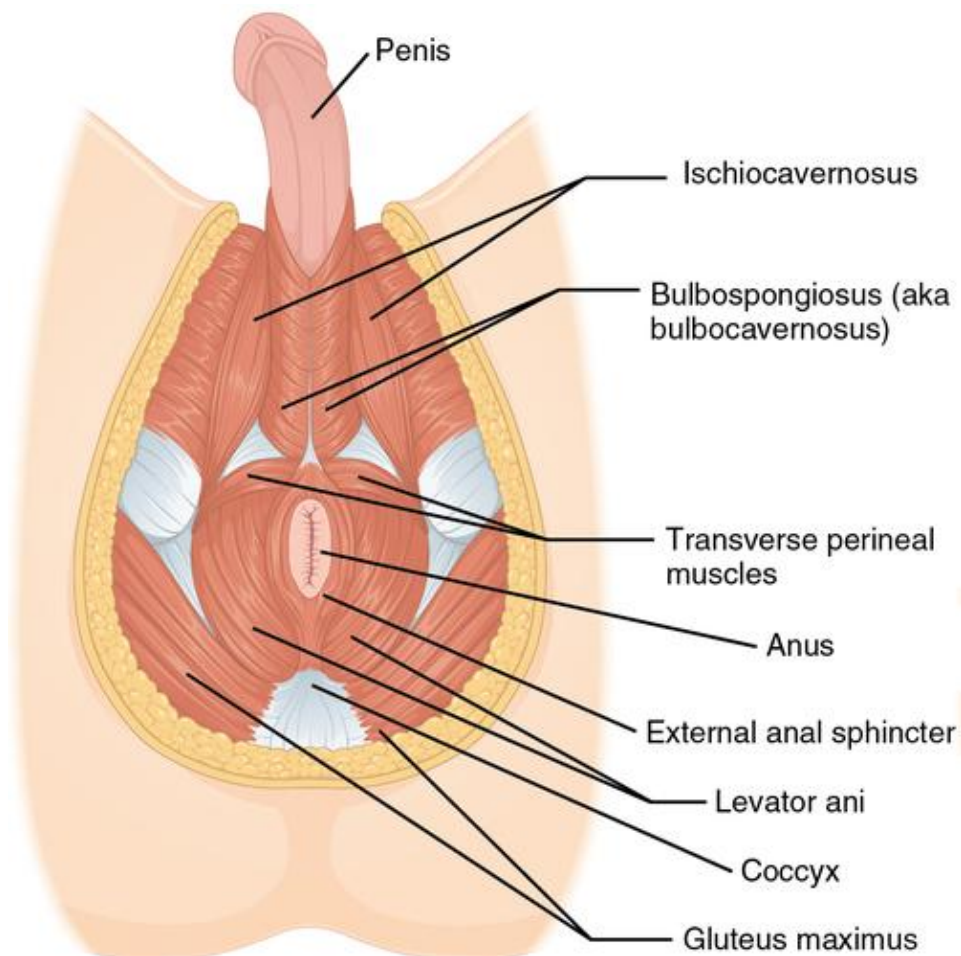
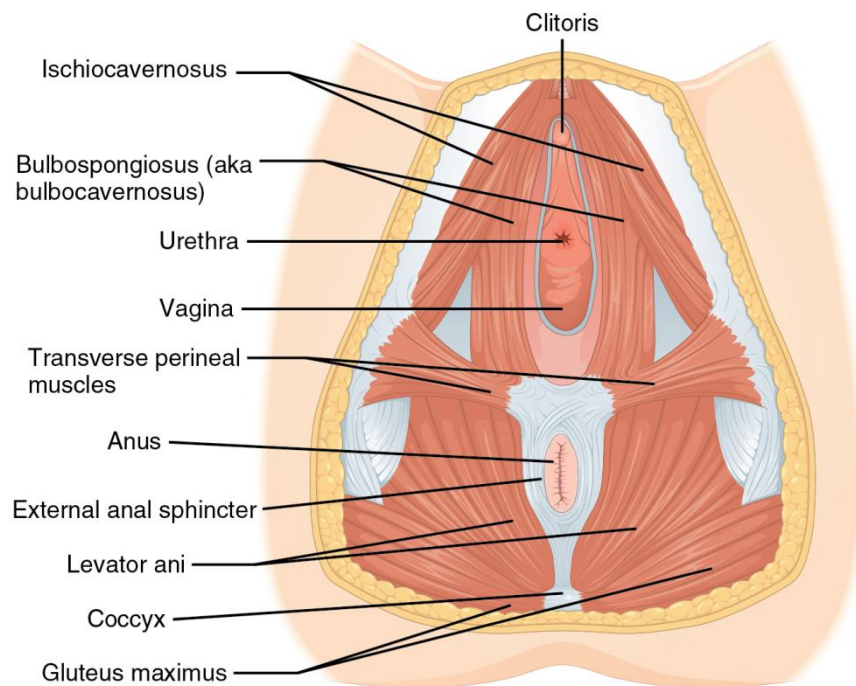
Gluteal muscles, posterior view



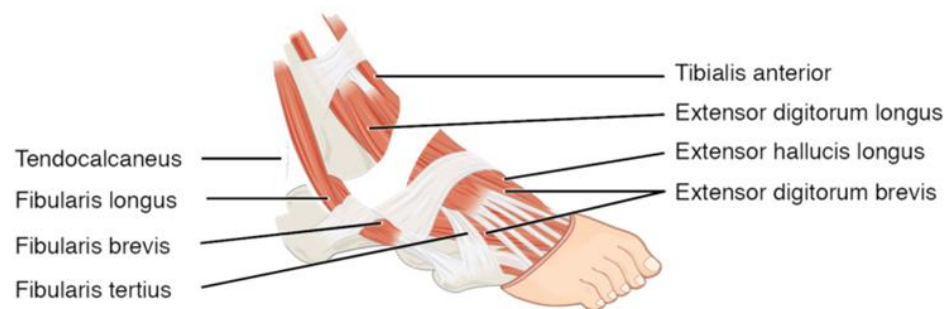
17. Tibia & Fibular



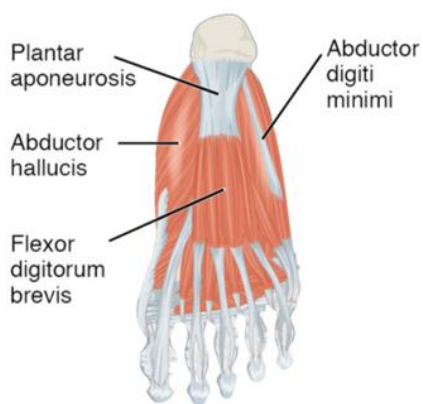
18. Anogenital/Pelvic floor



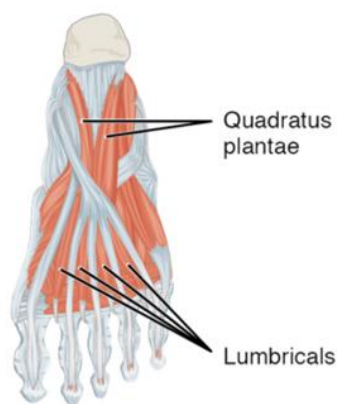
19. Foot & Toes



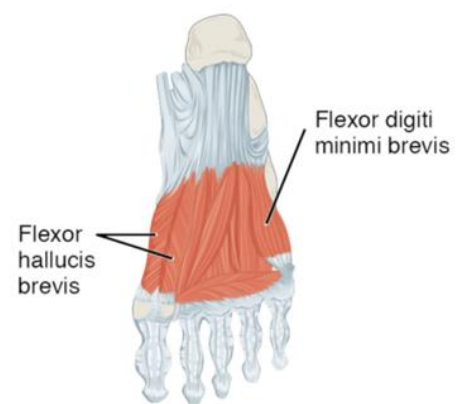
(a) Dorsal superficial muscles of the right foot (lateral view)



(b) Superficial muscles of the left sole (plantar view)



(c) Intermediate muscles of the left sole (plantar view)



(d) Deep muscles of the left sole (plantar view)

END OF PRACTICAL 4