

# The Muscular System

6 page study note

## Axial Muscles

### MUSCLES OF THE THORAX

**Internal intercostals**  
 - lie deep, posterior to external intercostals  
 - flexes ribs posteriorly & inferiorly  
 - expiration

### External intercostals

- most superficial intercostal muscle  
 - flexes ribs anteriorly & inferiorly  
 - inhaling



### MUSCLES OF THE ABDOMEN

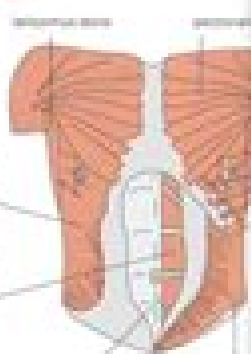
**External oblique**  
 - most superficial of anterolateral abdominal wall  
 - flexes ribs anteriorly & inferiorly

**Internal oblique**  
 flexes vertebral column & compresses abdominal wall used in forced expiration

**Transverse abdominis**  
 - deepest muscle & rotation around vertebral column

**Rectus abdominis**  
 - lies on either side of linea alba  
 - separated by tendinous intersections

**Linea alba**  
 - line of connective tissue down middle of abdomen for muscle attachment



## Axial Muscles

**Levator palmarum**  
 - elevates hand  
 - flexes wrist

**Levator palmarum**  
 - elevates hand  
 - flexes wrist

**Levator palmarum**  
 - elevates hand  
 - flexes wrist

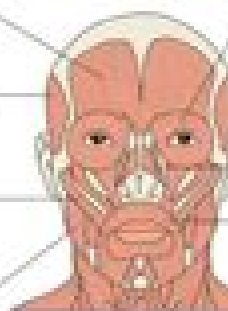
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### FACIAL & NECK MUSCLES



**Levator palmarum**  
 - elevates hand  
 - flexes wrist

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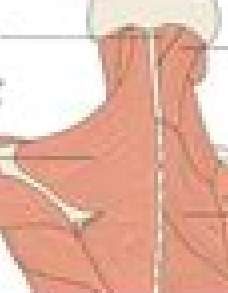
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 - flexes wrist

### NECK & BACK MUSCLES



**Levator palmarum**  
 - elevates hand  
 - flexes wrist

**Levator palmarum**  
 - elevates hand  
 - flexes wrist

**Levator palmarum**  
 - elevates hand  
 - flexes wrist

## Lower Limb Muscles

### Quick notes:

In correct anatomical terms, "leg" only refers to the region of the lower limb below the knee, while "thigh" refers to the region from the knee to the hip.

### POSTERIOR THIGH & LEG MUSCLES

**Gluteus maximus**  
 - extends thigh  
 - deep to gluteus medius

**Gluteus medius**  
 - extends thigh

**Gluteus minimus**  
 - extends thigh

**Hamstrings**  
 - extends hip  
 - flexes knee

**Hamstrings**  
 - extends hip  
 - flexes knee

**Hamstrings**  
 - extends hip  
 - flexes knee

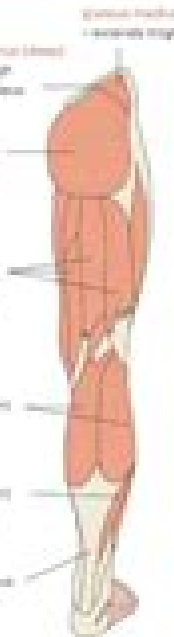
**Hamstrings**  
 - extends hip  
 - flexes knee

**Hamstrings**  
 - extends hip  
 - flexes knee

**Hamstrings**  
 - extends hip  
 - flexes knee

**Hamstrings**  
 - extends hip  
 - flexes knee

**Hamstrings**  
 - extends hip  
 - flexes knee



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**Saladin**



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