

Muscles of inspiration

Accessory

Sternocleidomastoid
(elevates sternum)

Scalenes

Anterior

Middle

Posterior

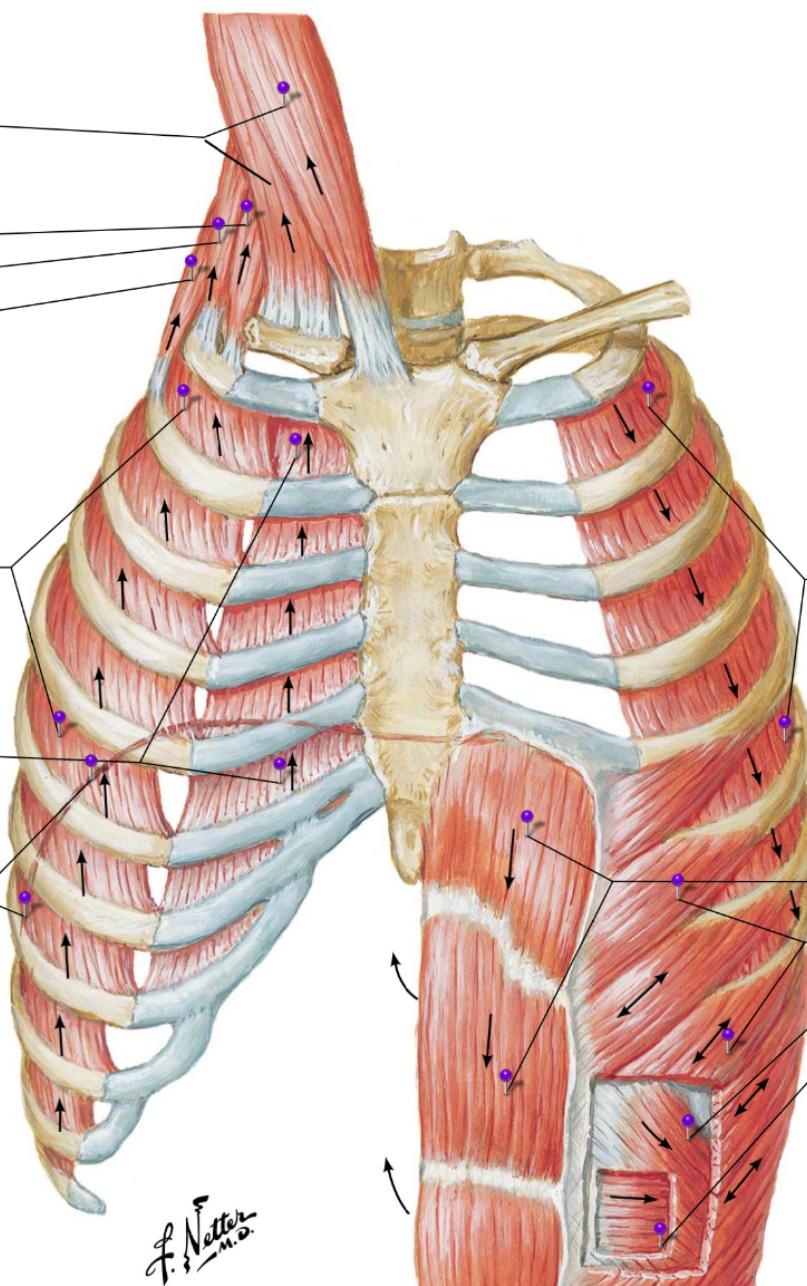
(elevate and fix upper ribs)

Principal

External intercostals
(elevate ribs, thus increasing width of thoracic cavity)

Interchondral part of internal intercostals
(also elevates ribs)

Diaphragm
(domes descend, thus increasing vertical dimension of thoracic cavity; also elevates lower ribs)



Muscles of expiration

Quiet breathing

Expiration results from passive recoil of lungs and rib cage

Active breathing

Internal intercostals, except interchondral part

Abdominals
(depress lower ribs, compress abdominal contents, thus pushing up diaphragm)

Rectus abdominis

External oblique

Internal oblique

Transversus abdominis

