

Proximal Attachment

The seventh intercostal internus muscle arises from the floor of the subcostal groove and adjacent costal cartilage of the seventh rib, deep to the seventh intercostal externus muscle.

Distal Attachment

Its fibers are at nearly 90° to those of the seventh intercostal externus, passing infero-laterally anteriorly and infero-medially posteriorly to insert onto the superior border of the eighth rib. It spans from the sternum anteriorly to the rib angle posteriorly, where it continues as the internal intercostal membrane, which is continuous with the anterior fibers of the superior costotransverse ligament.

Nerve Supply

The seventh intercostal internus muscle is supplied by the seventh intercostal nerve.

Action

The seventh intercostal internus muscle is most active during expiration, but its primary role is with the seventh intercostal externus to stiffen the chest wall during respiration.