

Anatomy & Physiology: Muscles—Trapezius, Middle.

STRUCTURE.

- Origin: superior nuchal line, ligamentum nuchae; spinous process of C7, T1-T12.
- Insertion: acromion process of scapula; superior aspect of scapular spine.

FUNCTION.

- Concentric action: scapular retraction.
- Reverse mover action: contralateral rotation of the trunk at spinal joints.
- Eccentric action: scapular protraction and elevation. Controls/restrains/slows scapular protraction at ScC and ipsilateral rotation of trunk at spinal joints.
- Isometric action: stabilization of the scapula.
- Innervation: accessory XI nerve; cervical spinal nerves C3-C5.
- Arterial supply: transverse cervical artery (branch from thyrocervical trunk), dorsal scapular artery (branch from subclavian artery).

CLINICAL SIGNIFICANCE.

References

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