Anatomy & Physiology: Muscles—Longus Colli.

STRUCTURE.

- Superior Oblique
 - o Origin: transverse process of C3-C5.
 - o Insertion: anterior arch of C1.
- Inferior Oblique
 - o Origin: anterior bodies of T1-T3.
 - o Insertion: transverse processes of C5-C6.
- Vertical
 - o Origin: anterior bodies of C5-T3.
 - o Insertion: anterior bodies C2-C4.

FUNCTION.

- Concentric action: neck flexion, lateral flexion, contralateral rotation.
- Reverse mover action: flexion, lateral flexion, and ipsilateral rotation of neck and upper back.
- Eccentric action: controls/restrains/slows extension and contralateral later flexion of neck; ipsilateral rotation of neck; contralateral rotation of neck and upper back.
- Isometric action: stabilization of cervical and upper thoracic spine.
- Innervation: cervical spinal nerves.
- Arterial supply: inferior thyroid artery, vertebral artery, ascending pharyngeal artery.

CLINICAL SIGNIFICANCE.

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