

## Anatomy & Physiology: Muscles—Longissimus Cervicis.

### STRUCTURE.

- Origin: transverse processes of T4-T5.
- Insertion: transverse process C6-C2.

### FUNCTION.

- Concentric action: spinal extension, rotation and lateral flexion.
- Eccentric action: spinal flexion, rotation, and lateral flexion.
- Isometric action: stabilization of the spine.
- Innervation: cervical and superior thoracic spinal nerves.
- Arterial supply: intercostal and lumbar arteries; branches of the occipital and deep cervical of the costocervical trunk arteries.

### CLINICAL SIGNIFICANCE.

#### References

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