Anatomy & Physiology: Muscles—Thyrohyoid.

## STRUCTURE.

- Origin: thyroid cartilage of larynx.
- Insertion: greater horn of hyoid.

## FUNCTION.

- Concentric action: elevates thyroid cartilage of larynx; depress hyoid.
- Reverse mover action: elevate thyroid cartilage.
- Eccentric action: controls/restrains/slows elevation of hyoid, depression of thyroid cartilage.
- Isometric action: stabilize hyoid bone and thyroid cartilage.
- Innervation: branches of spinal nerves C1-C3; descending hypoglossal XII nerve.
- Arterial supply: superior thyroid artery.

CLINICAL SIGNIFICANCE.

## References

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