

Anatomy & Physiology: Muscles—Lateral Pterygoid.

STRUCTURE.

- Origin: greater sphenoid wing and lateral surfaces of sphenoid.
- Insertion: mandibular condyle; temporomandibular joint.

FUNCTION.

- Concentric action: protracts and depress mandible (opening mouth); moves mandible from side to side; contralateral deviation of the mandible.
- Reverse mover action: moves cranium posterior and lateral (ipsilaterally) toward mandible.
- Eccentric action: controls/restrains/slows retraction and ipsilateral deviation of mandible.
- Isometric action: stabilizes mandible.
- Innervation: trigeminal V nerve.
- Arterial supply: maxillary artery.

CLINICAL SIGNIFICANCE.

References

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