

Temporalis muscle

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1 OIAN

Muscle	Origin	Insertion	Nerve	Action
Temporalis muscle	Temporal fossa (inferior temporal line)	Coronoid process of mandible (apex and medial surface)	Mandibular (V_3) division of CN V via deep temporal nn	Vertical fibers: Elevate mandible; Horizontal Fibers: Retract (retrude) mandible; Unilateral Fibers: Lateral movement of mandible (chewing)

2 Origin

Temporal fossa (inferior temporal line)¹

3 Insertion

Coronoid process of mandible (apex and medial surface)¹

4 Innervation

Mandibular (V_3) division of CN V via deep temporal nn¹

5 Action

Vertical fibers: Elevate mandible; **Horizontal Fibers:** Retract (retrude) mandible; **Unilateral Fibers:** Lateral movement of mandible (chewing)¹

Clinical Significance

1. Gilroy AM, MacPherson BR, Wikenheiser JC, Voll MM, Wesker K, Schünke M, eds. *Atlas of Anatomy*. 4th ed. Thieme; 2020.