

Lateral Pterygoid muscle

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1 OIAN

Muscle	Origin	Insertion	Nerve	Action
Lateral Pterygoid	Superior Head: Greater wing of sphenoid bone (infratemporal crest); Inferior head: Lateral surface of pterygoid plate (lat surface)	Superior Head: Tempomandibular joint (articular disc); Inferior head: Mandible (condylar process)	Mandibular (V₃) division of CN V via lateral pterygoid n.	BIL: Protrudes mandible (pulls articular disk forward); UNIL: Lateral movements of mandible (chewing)

2 Origin

Superior Head: Greater wing of sphenoid bone (infratemporal crest); **Inferior head:** Lateral surface of pterygoid plate (lat surface)¹

3 Insertion

Superior Head: Temporomandibular joint (articular disc); **Inferior head:** Mandible (condylar process)¹

4 Innervation

Mandibular (V_3) division of CN V via lateral pterygoid n.¹

5 Action

BIL: Protrudes mandible (pulls articular disk forward); **UNIL:** Lateral movements 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.