

# Lateral Pterygoid muscle

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## Table of contents

1	OIAN	1
2	Origin	2
3	Insertion	2
4	Innervation	2
5	Action	2
	Clinical Significance	2

## 1 OIAN

Muscle	Origin	Insertion	Nerve	Action
<a href="#">Lateral Pterygoid</a>	<b>Superior Head:</b> Greater wing of sphenoid bone (infratemporal crest); <b>Inferior head:</b> Lateral surface of pterygoid plate (lat surface)	<b>Superior Head:</b> Tempomandibular joint (articular disc); <b>Inferior head:</b> Mandible (condylar process)	<a href="#">Mandibular (V<sub>3</sub>) division of CN V via lateral pterygoid n.</a>	<b>BIL:</b> Protrudes mandible (pulls articular disk forward); <b>UNIL:</b> 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)<sup>1</sup>

## 3 Insertion

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

## 4 Innervation

Mandibular ( $V_3$ ) division of CN V via lateral pterygoid n.<sup>1</sup>

## 5 Action

**BIL:** Protrudes mandible (pulls articular disk forward); **UNIL:** Lateral movements of mandible (chewing)<sup>1</sup>

## Clinical Significance

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