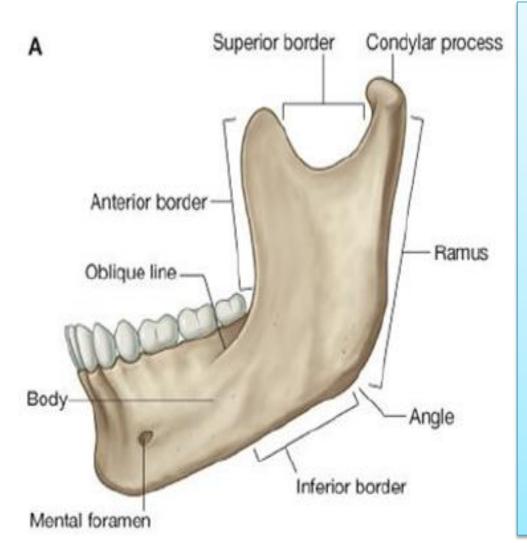
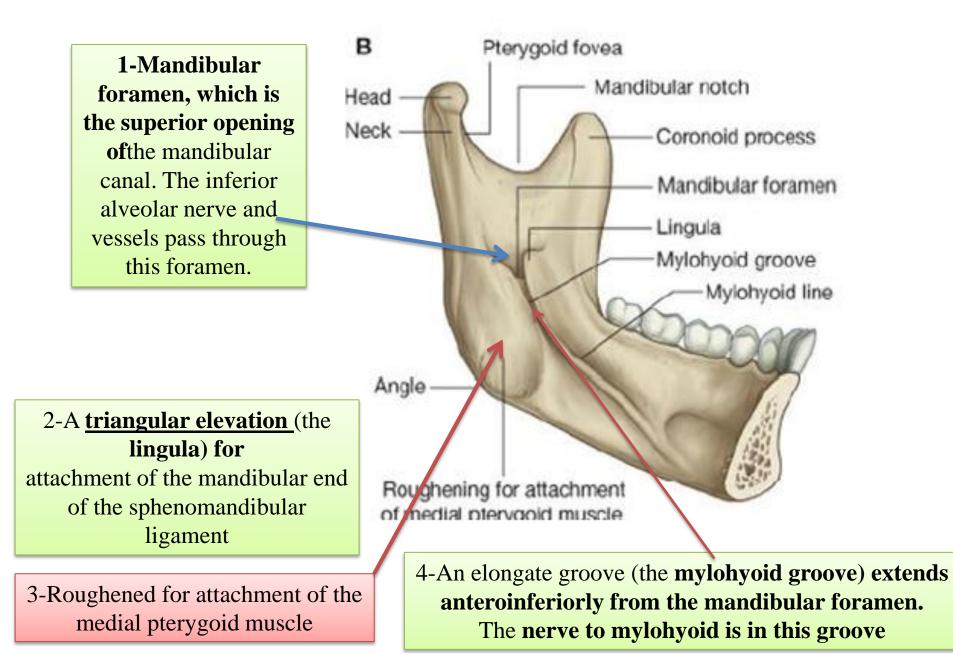


The condylar process is made of:



1-the **head of** mandible, participates in forming the temporomandibul ar joint; and 2-the **neck of** mandible, which bears a shallow depression (the pterygoid fovea) on its anterior surface for attachment of the lateral pterygoid muscle.

The medial surface of the ramus of shows the following featuers:

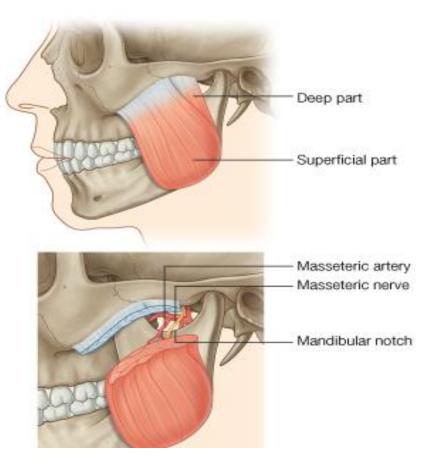


Masseter muscle

The masseter muscle is quadrangular in shape is Origin: inferior border and inner surface of the zygomatic arch.

insertion: into the lateral surface of the ramus of the mandible and its coronoid process.

The masseter is innervated by the masseteric nerve from the mandibular nerve $[V_3]$



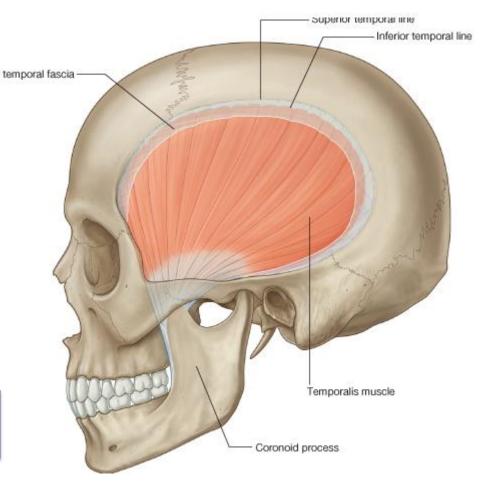
Temporalis muscle

The temporalis muscle is a large fan-shaped muscle that fills much of the temporal fossa

- It originates from the bony surfaces of the temporal fossa superiorly to the inferior temporal line
- Tip and medial surface of the coronoid process And anterior border of the ramus of the mandible

Temporalis is a powerful elevator of the mandible, closes the mandible

Temporalis is innervated by deep temporal nerves that originate from the mandibular nerve



Medial pterygoid

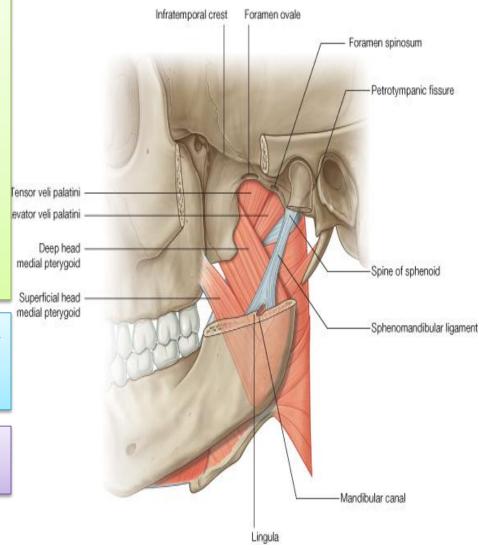
The medial pterygoid muscle is quadrangular in shape and has deep and superficial heads

Origin: medial surface of the lateral plate of the pterygoid process and the pyramidal process of the palatine bone

Insertion: medial surface of the ramus of mandible inferior to mandibular foramen

The medial pterygoid is innervated by the nerve to medial pterygoid from the mandibular nerve $[V_3]$.

The medial pterygoid mainly elevates the mandible, closing jaws



Lateral pterygoid

The lateral pterygoid is a thick triangular muscle

The upper head originates from the roof of the infratemporal fossa (inferior surface of the greater wing of the sphenoid and the infratemporal crest

The lower head is larger and originates from the lateral surface of the lateral plate of the pterygoid process

Insertion:

into the neck of mandible into the capsule of the Temporomandibular joint Into the articular disc.

The lateral pterygoid is innervated by the nerve to lateral pterygoid from the mandibular nerve $[V_3]$.

