

## \* Temporalis

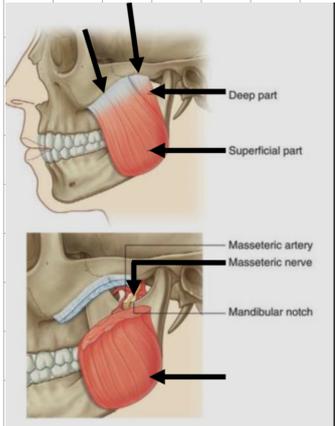
origin → skull +  
insertion → mandible

**Origin:** floor of the temporal fossa  
Deep surface of the temporal fascia.

**insertion:** Tip, Margins and inner surface  
of the coronoid process of the Mandible.

**Nerve supply:** Deep temporal branches of mandibular N.

**Action:** Anterior fibers elevate  
posterior fibers retract.



## \* Masseter

**Origin superficial part:** From the lower border of the zygomatic arch

**Deep part:** From the deep surface of the zygomatic arch

**insertion:** lateral surface of the ramus of mandible

**Nerve Supply:** masseteric branch of Anterior division of Mandibular N.

**Action:** elevates, Protrude

## \* lateral pterygoid

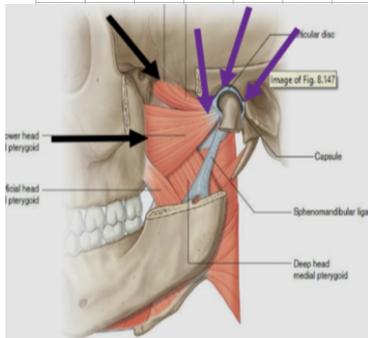
**Origin upper head:** infratemporal crest & infratemporal surface of the greater wing of the sphenoid.

**Lower head:** lateral surface of the lateral pterygoid plate.

**insertion:** pterygoid fovea

Articular disc

Capsule of the temp-mandibular joint



**Nerve supply:** Anterior division of mandibular N.

**Action:** Depression of mandible

Protrusion

Side to side movements of mandible

## \* Medial Pterygoid

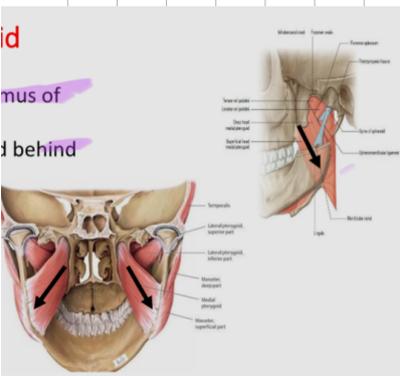
**Origin superficial head:** From the tuberosity of the maxilla

**Deep head:** From the medial surface of the lateral pterygoid plate.

**insertion:** Medial surface of the ramus  
mandibular foramen and behind  
the mylohyoid groove

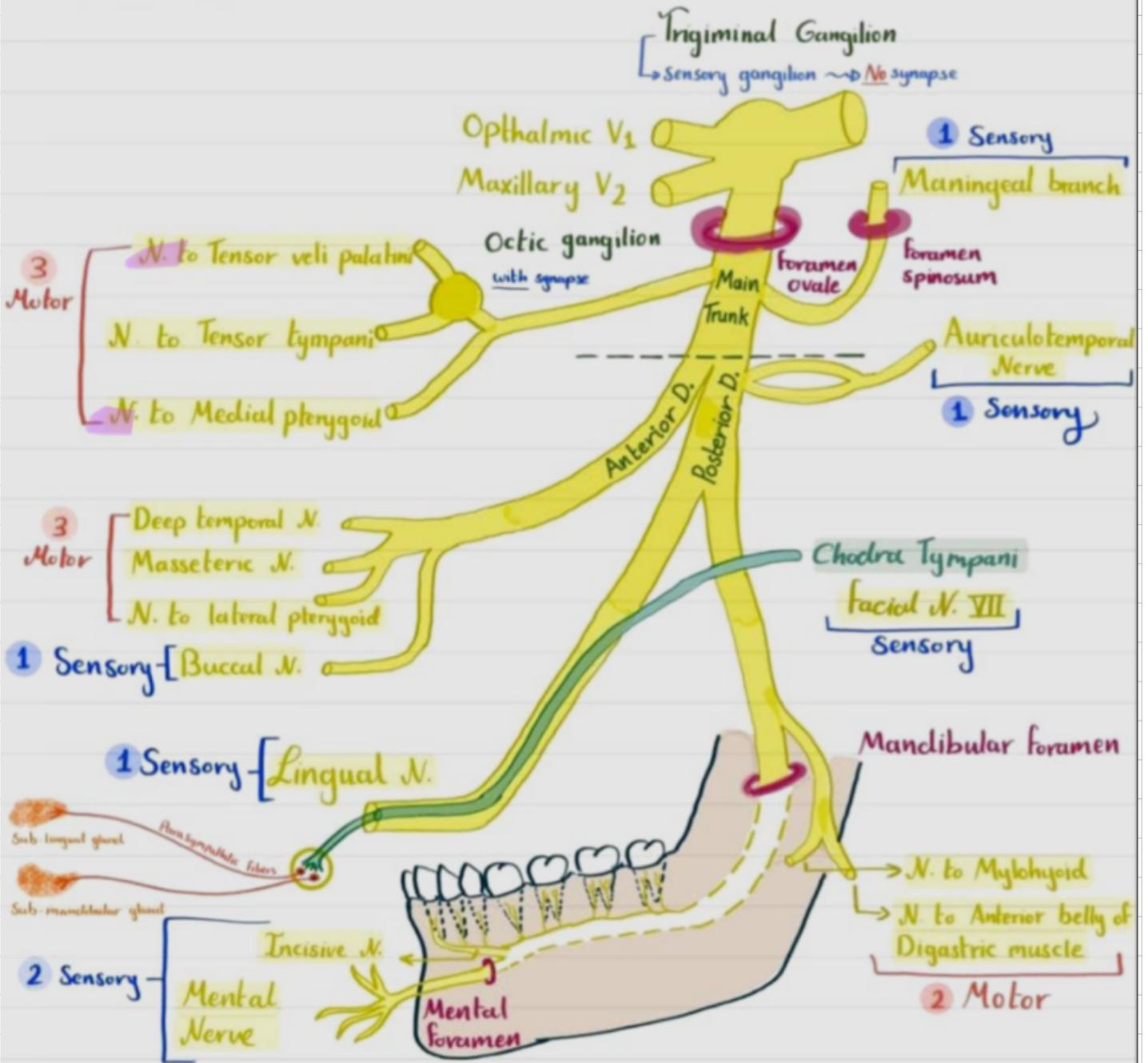
**Nerve supply:** By a branch from the trunk  
of mandibular N.

**Action:** elevation, protrusion, side to side movements



# ✿ Mandibular Nerve (V<sub>3</sub>)

- largest division of Trigeminal Nerve V
- Pass through foramen ovale
- Mixed Nerve
  - ↳ Sensory root
  - ↳ Motor root
- Two trunks



Baleelgemal