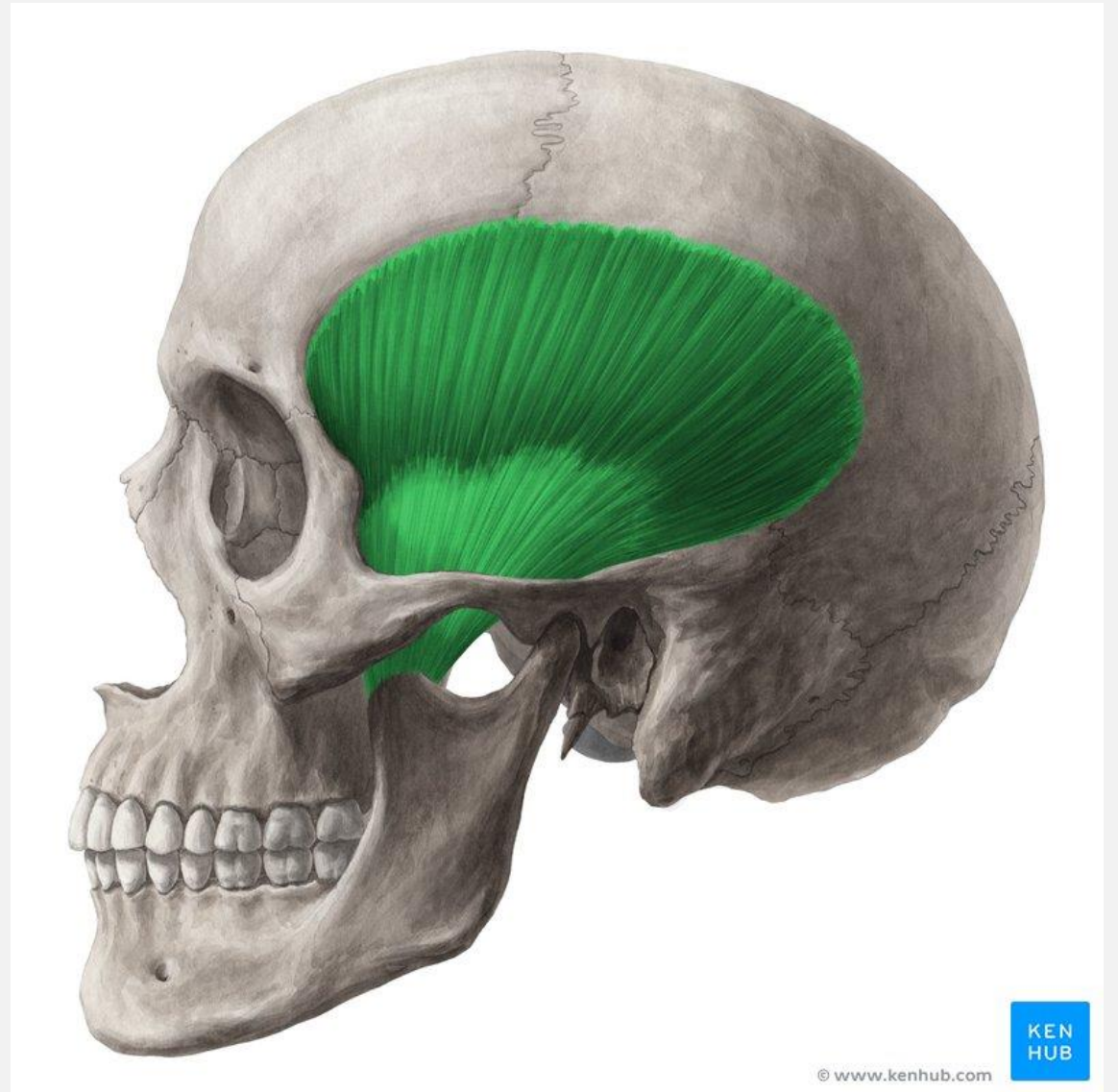


MUSCLES OF MASTICATION

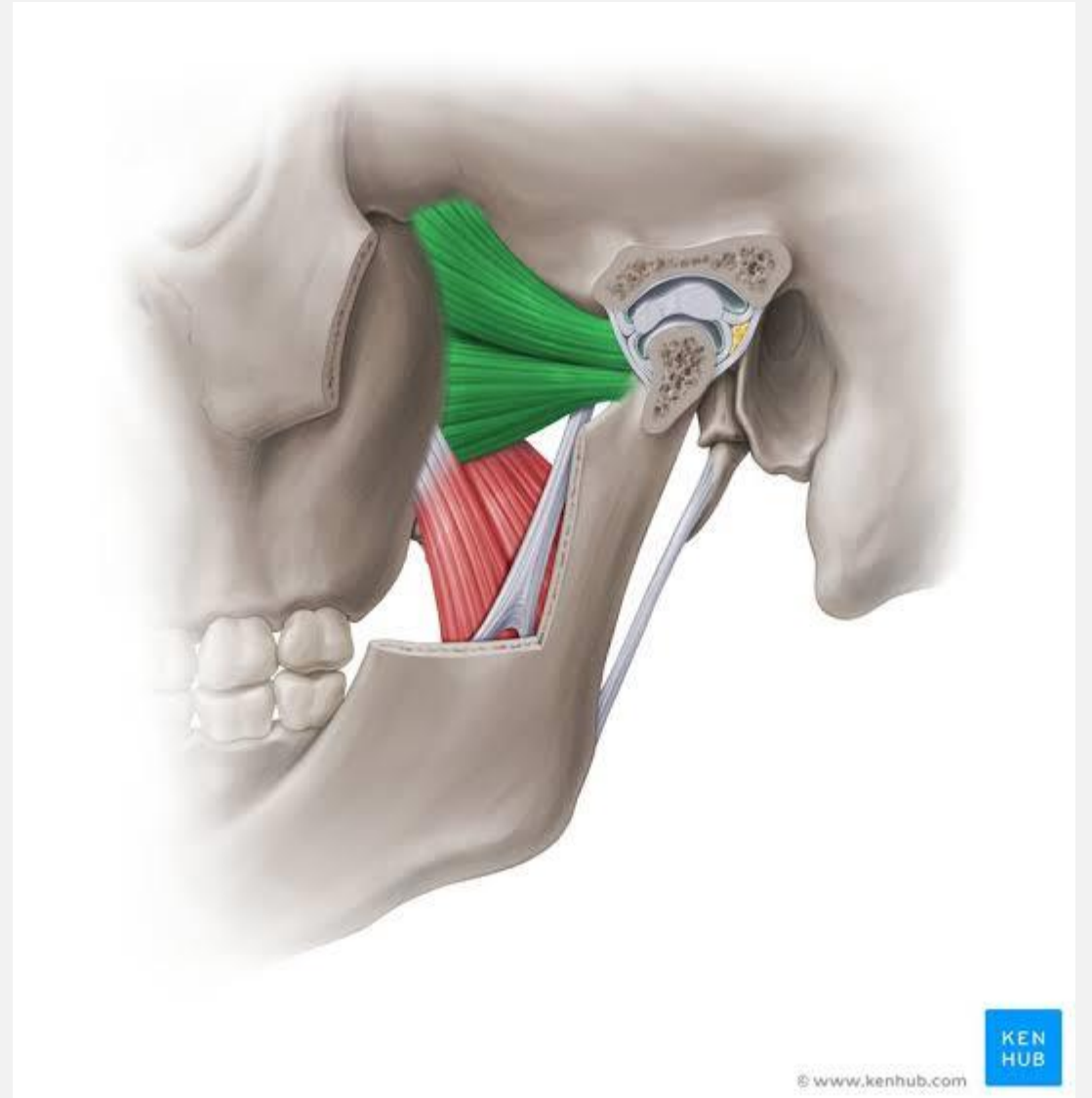
- Masseter



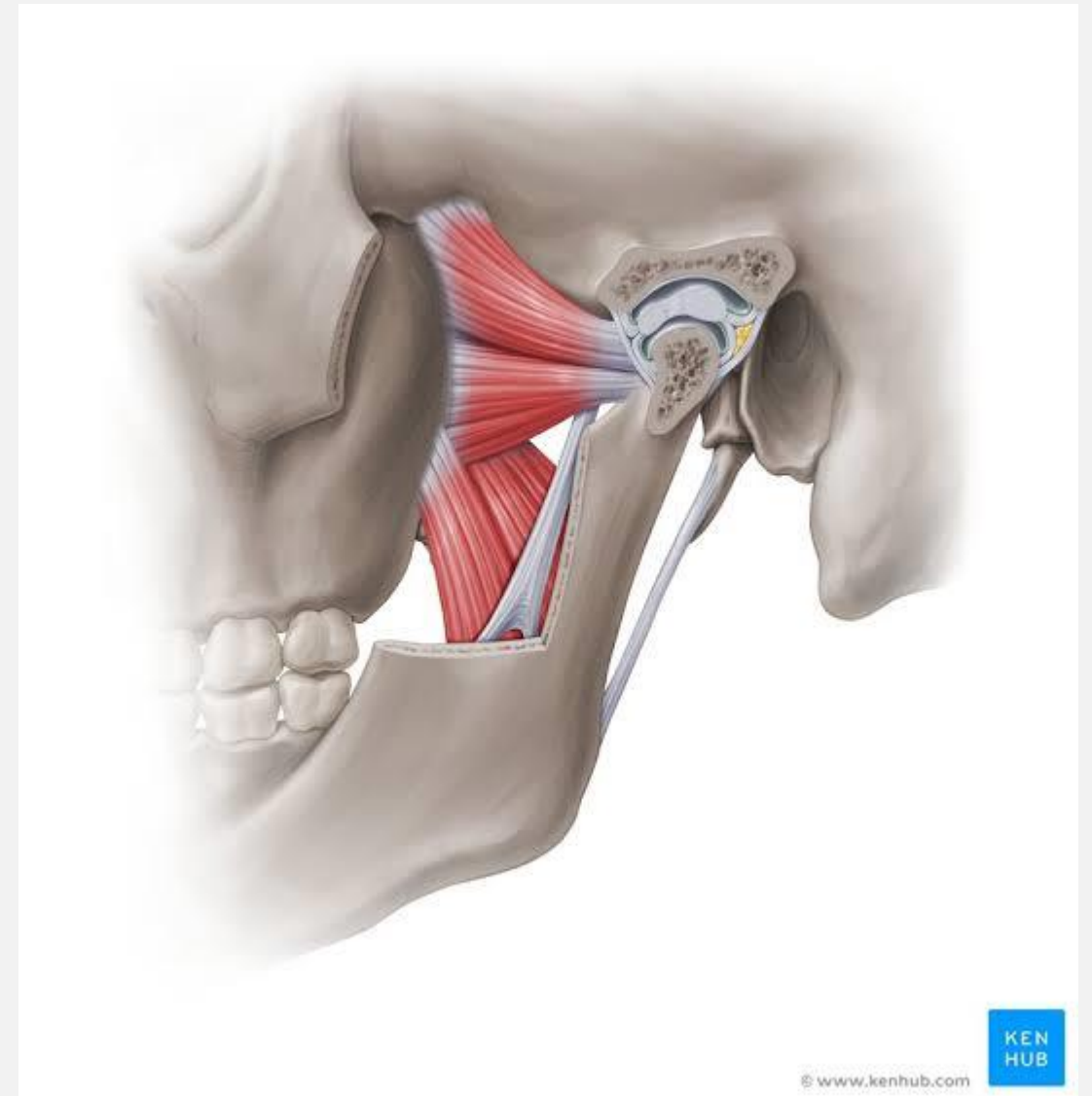
- Masseter
- Temporalis



- Masseter
- Temporalis
- Lateral pterygoid

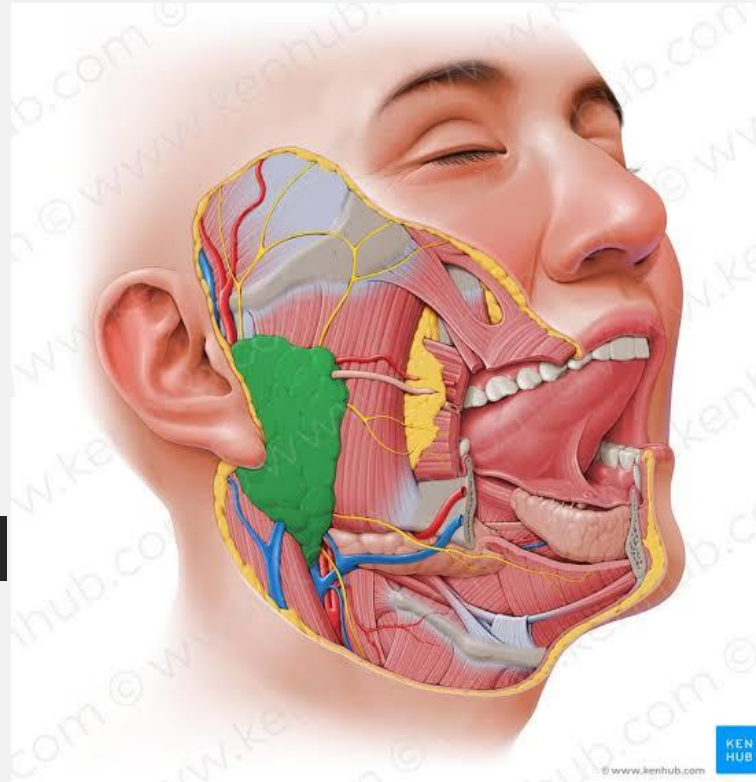


- Masseter
- Temporalis
- Lateral pterygoid
- Medial pterygoid



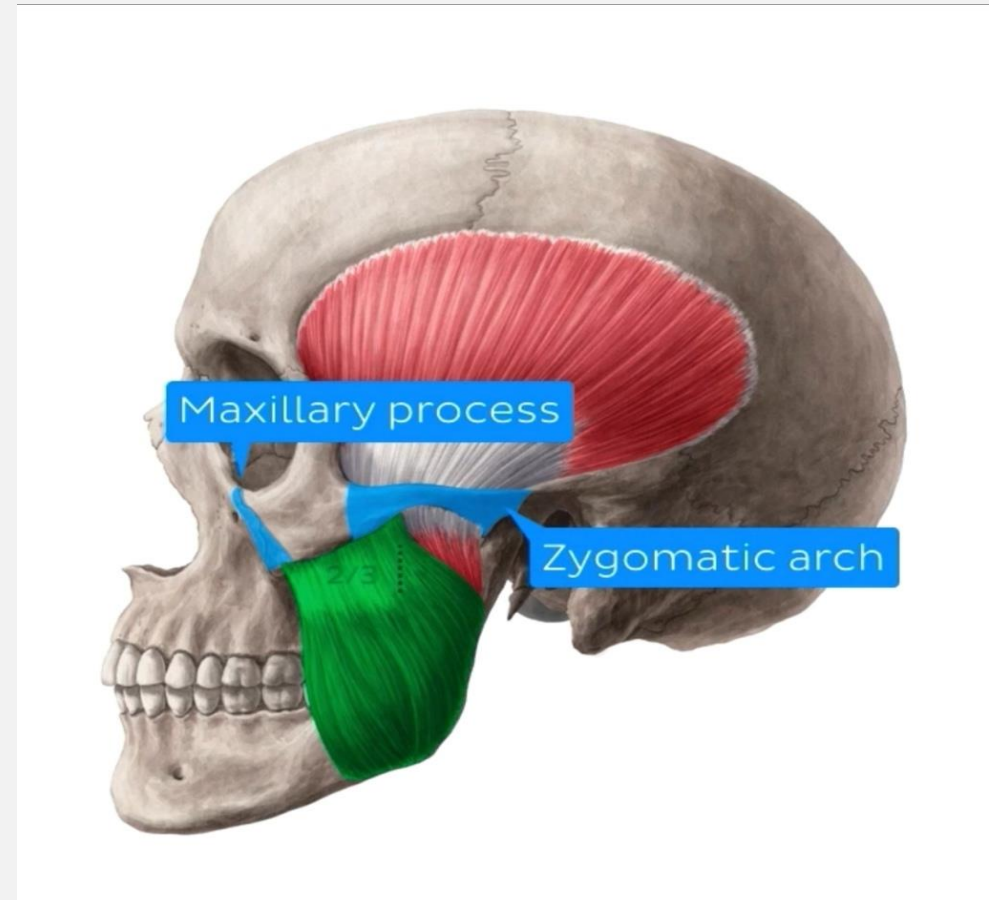
MASSETER

- Strongest
- Rectangular
- Covered with masseteric fascia
- Has a superficial and deep layer



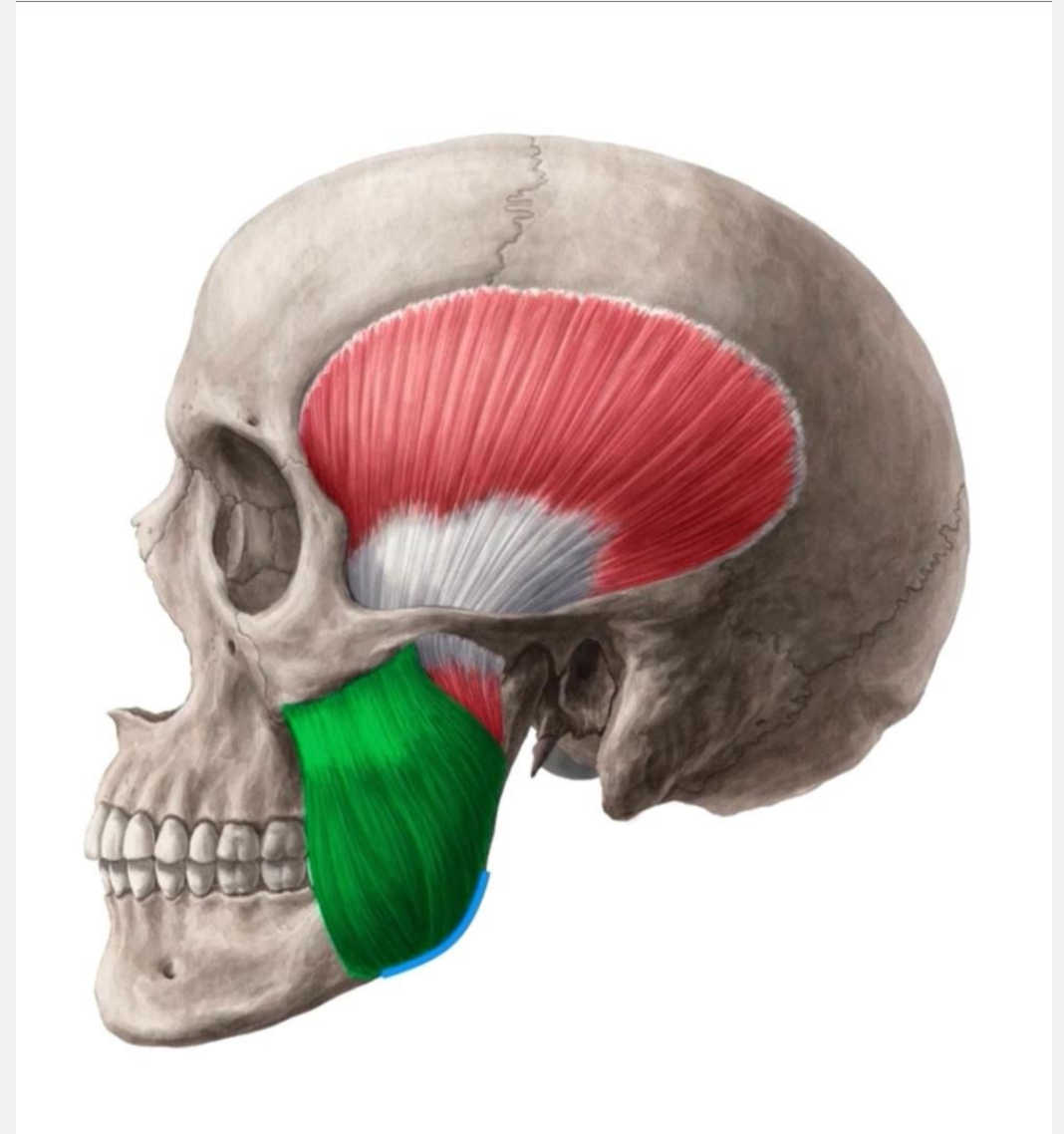
SUPERFICIAL PART OF THE MASSETER MUSCLE

- Origin
 - Maxillary process of zygomatic bone
 - Anterior two-third of zygomatic arch



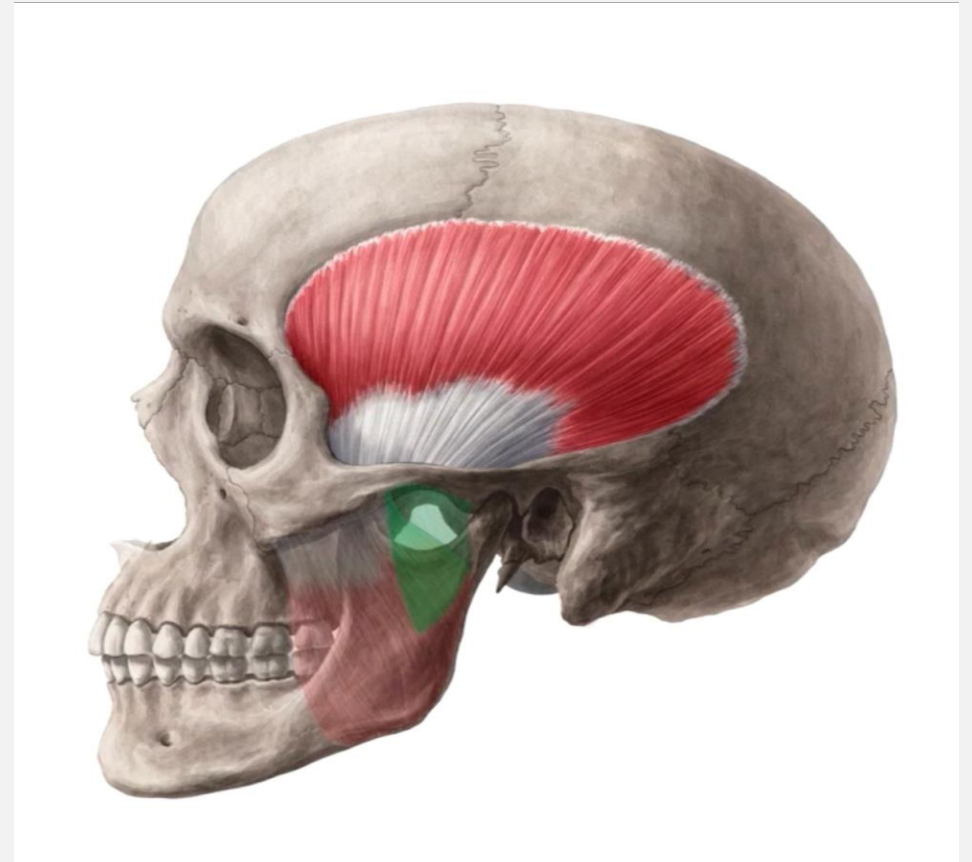
- Insertion

Lateral surface of
mandibular ramus
and
angle mandible

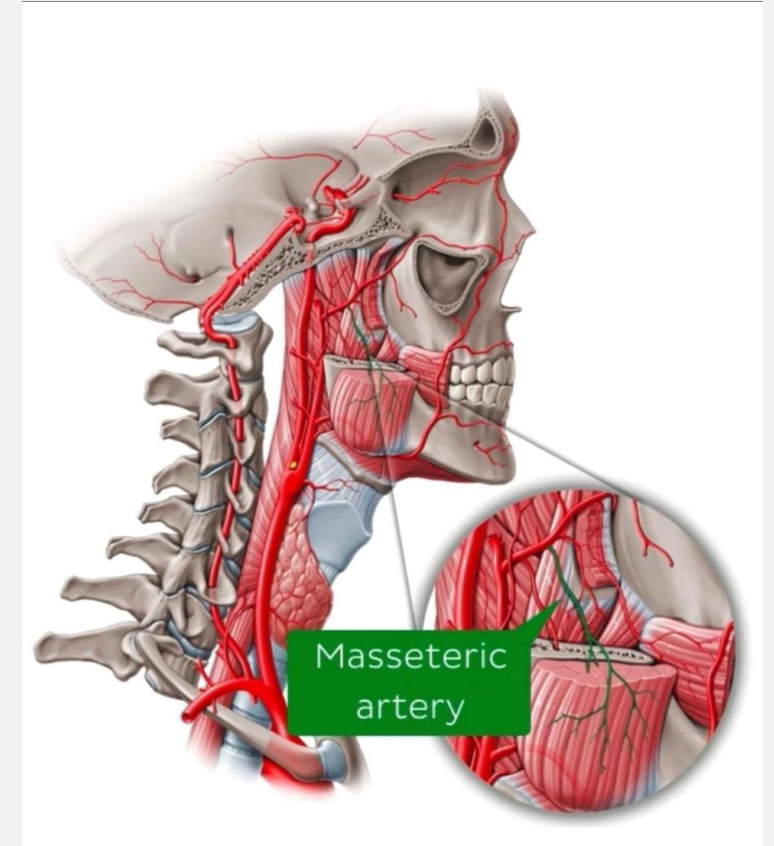
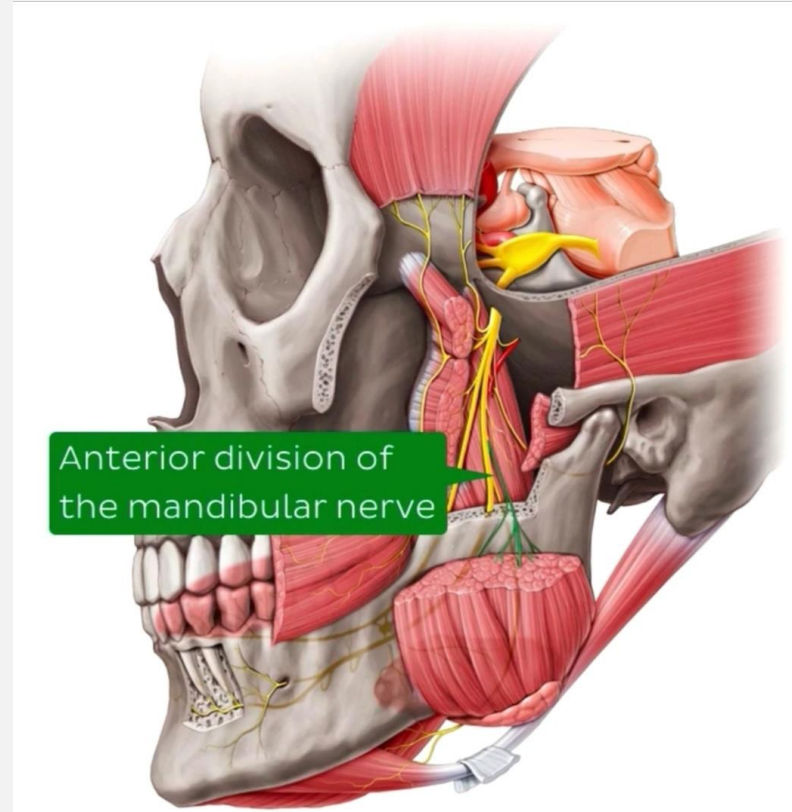


DEEP PART OF THE MASSETER MUSCLE

- Origin
Inferior surface of
posterior one-third of
zygomatic arch
- Insertion
Lateral surface of the
mandibular ramus

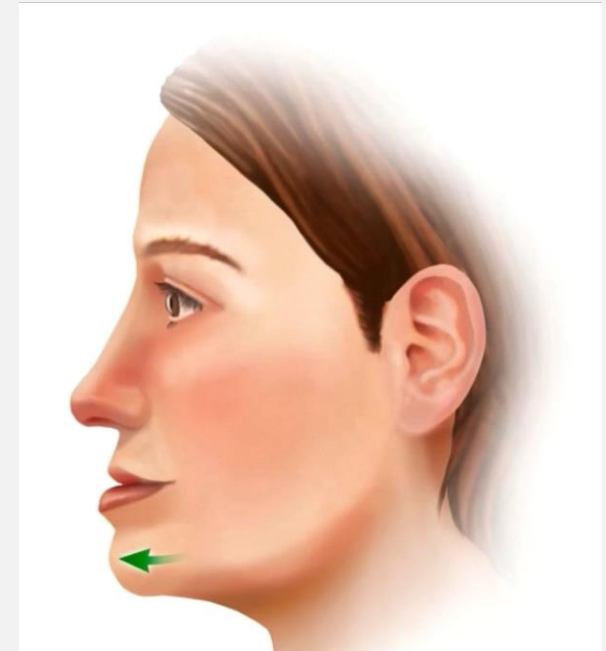
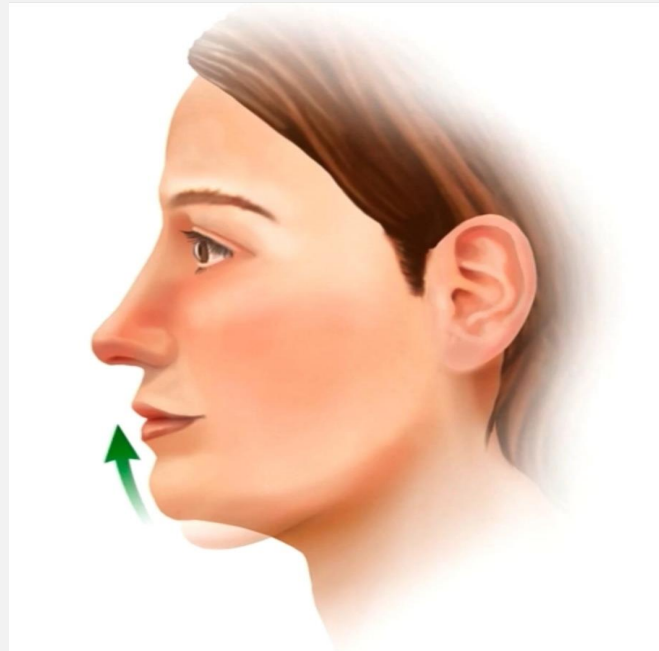


- Innervation
- Masseteric nerve of the mandibular branch
- Blood supply
- Masseteric Artery



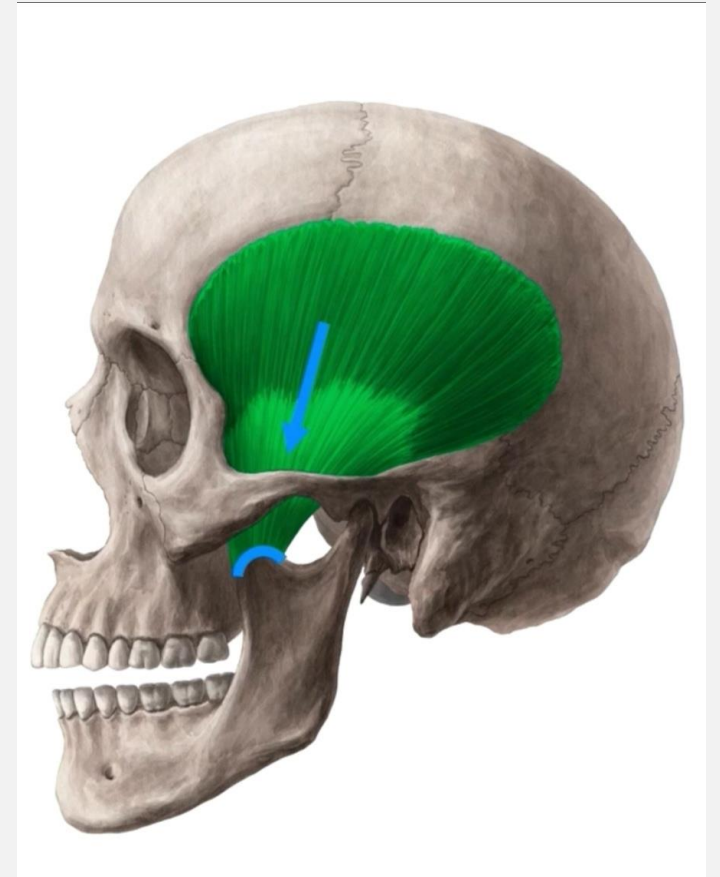
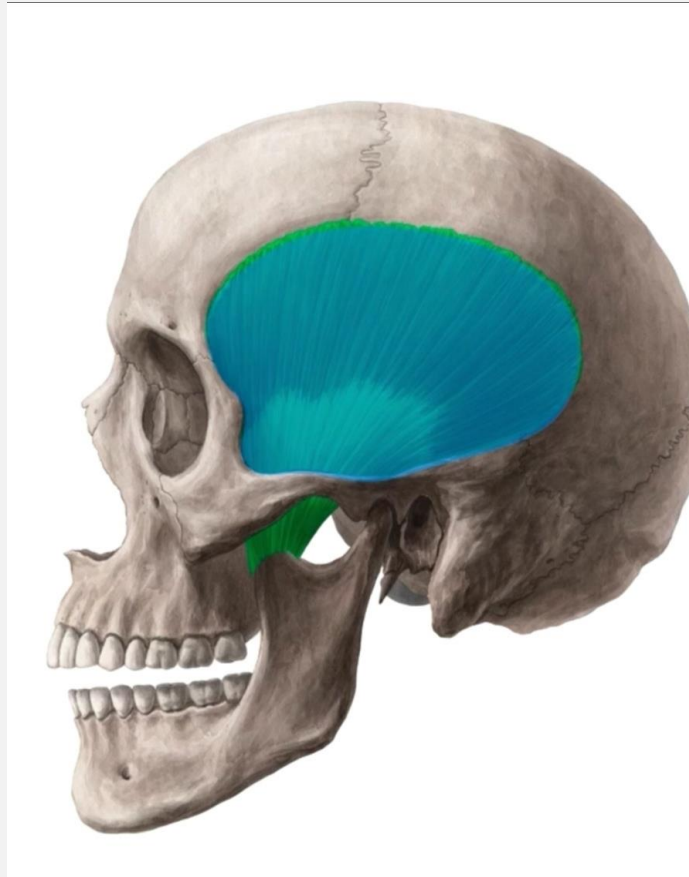
FUNCTIONS OF MASSETER

- Elevation of mandible
- Protusion of mandible



TEMPORALIS

- Origin
Temporal fossa
- Insertion
Apex and medial surface of the coronoid process of mandible

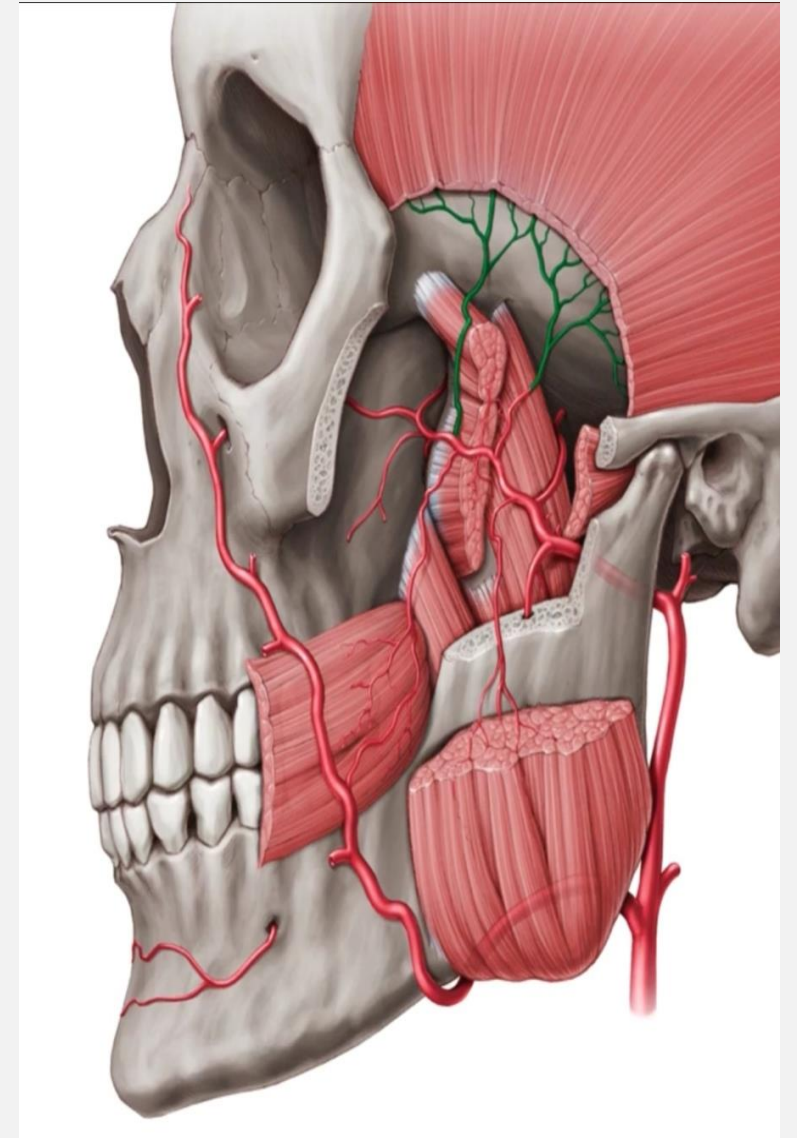
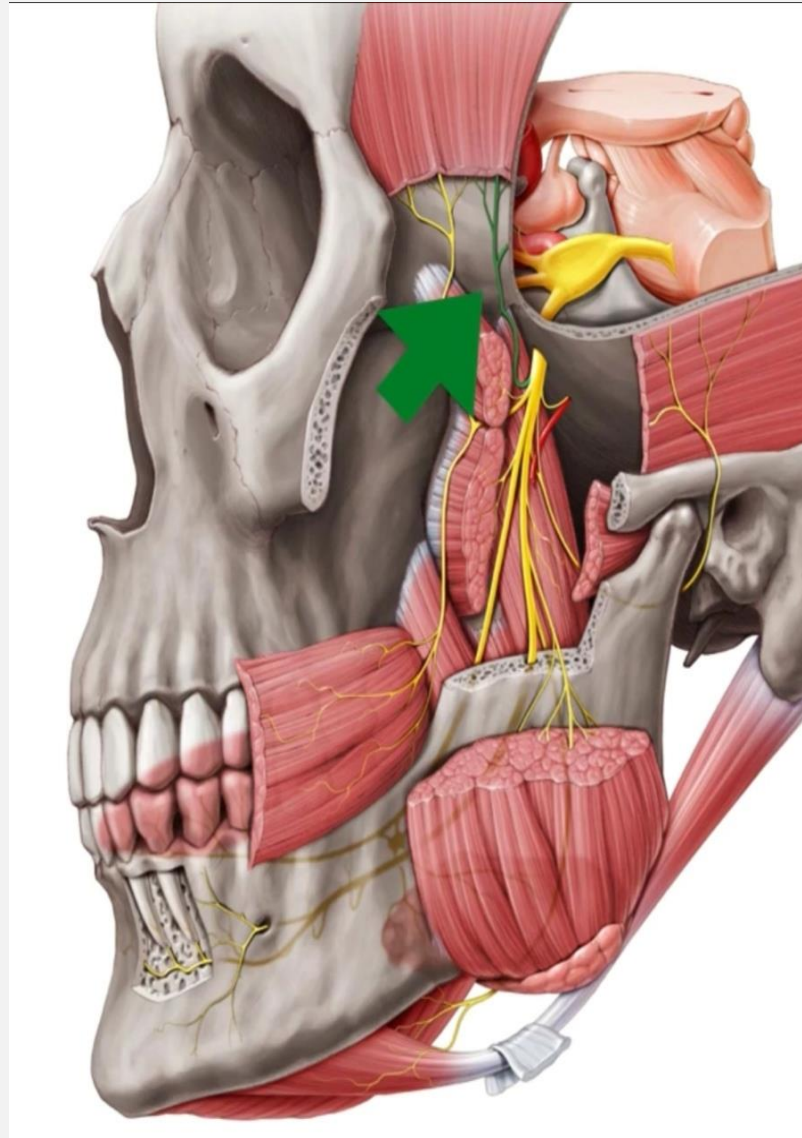


- Innervation

Deep temporal branches of the mandibular nerve

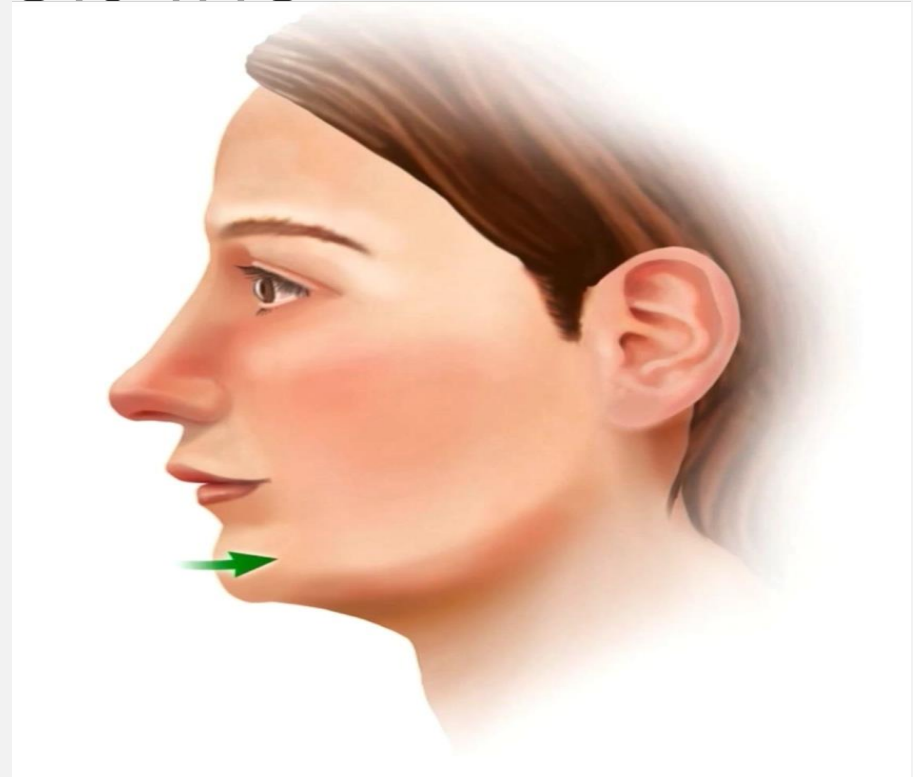
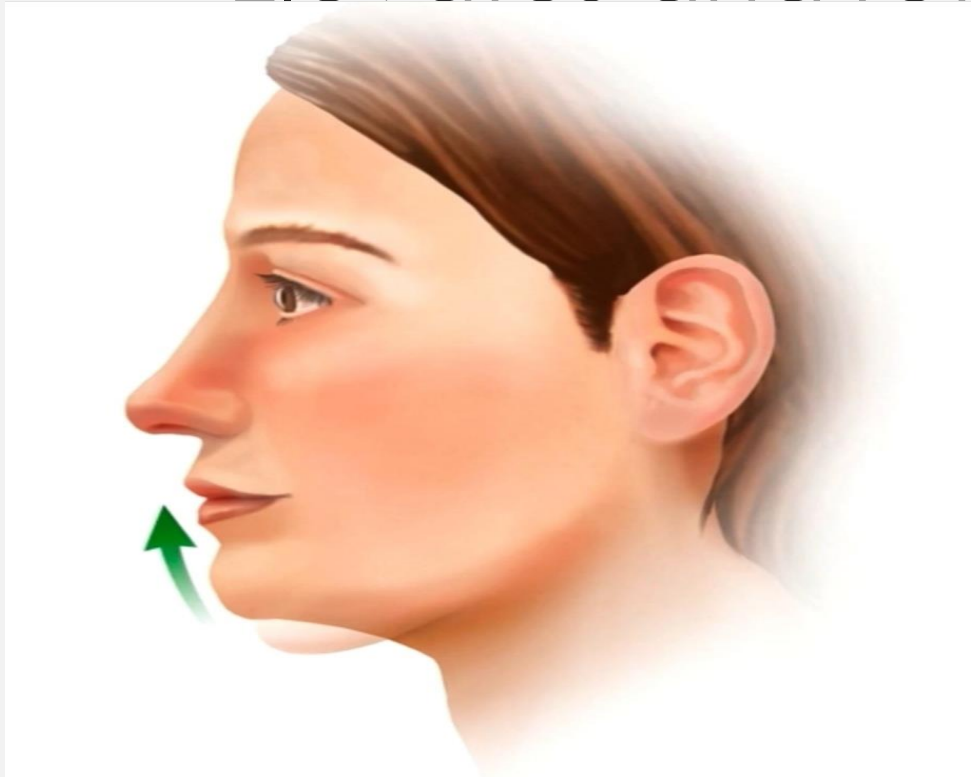
- Blood Supply

Deep temporal branch of



FUNCTIONS OF TEMPORALIS

- Elevates and retracts the



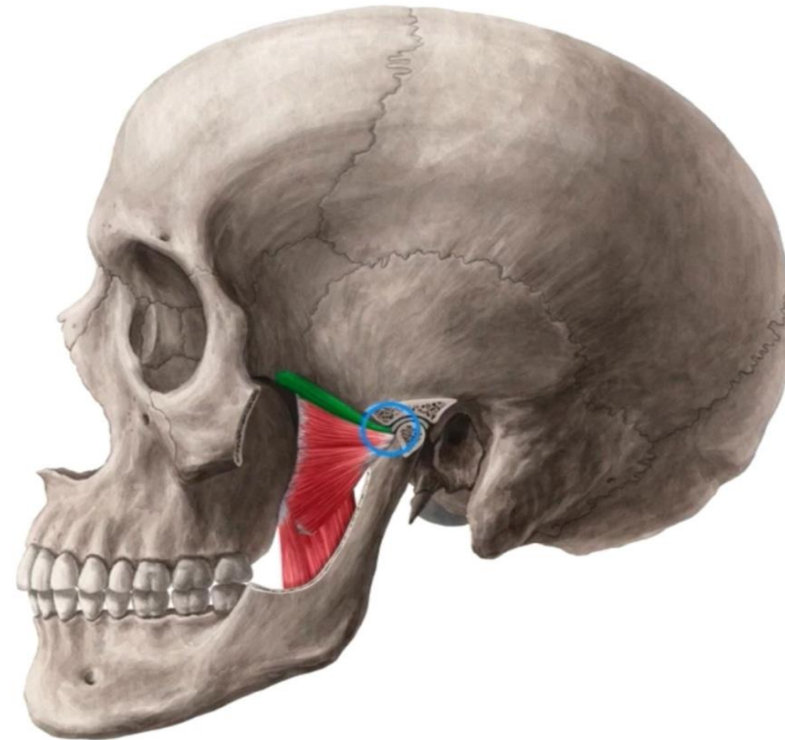
LATERAL PTERYGOID MUSCLE

- Has two heads
 1. Smaller superior head
 2. Large Inferior head



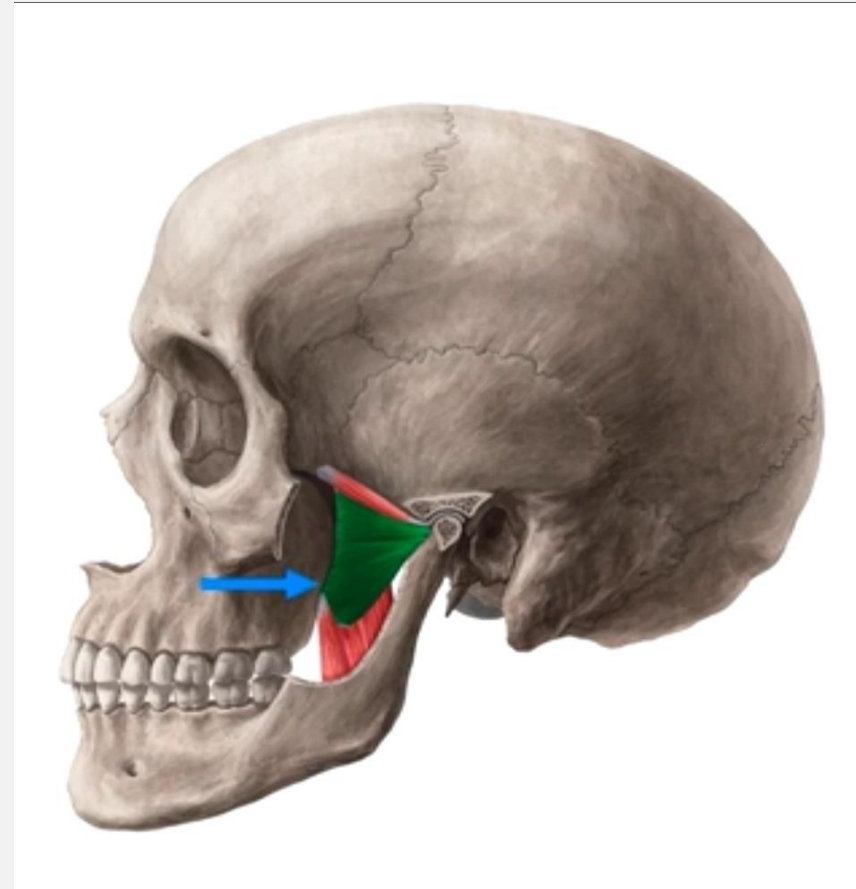
SUPERIOR HEAD OF THE PTERYGOID

- Origin
Infratemporal crest of the greater wing of sphenoid bone
- Insertion
Joint capsule of TMJ

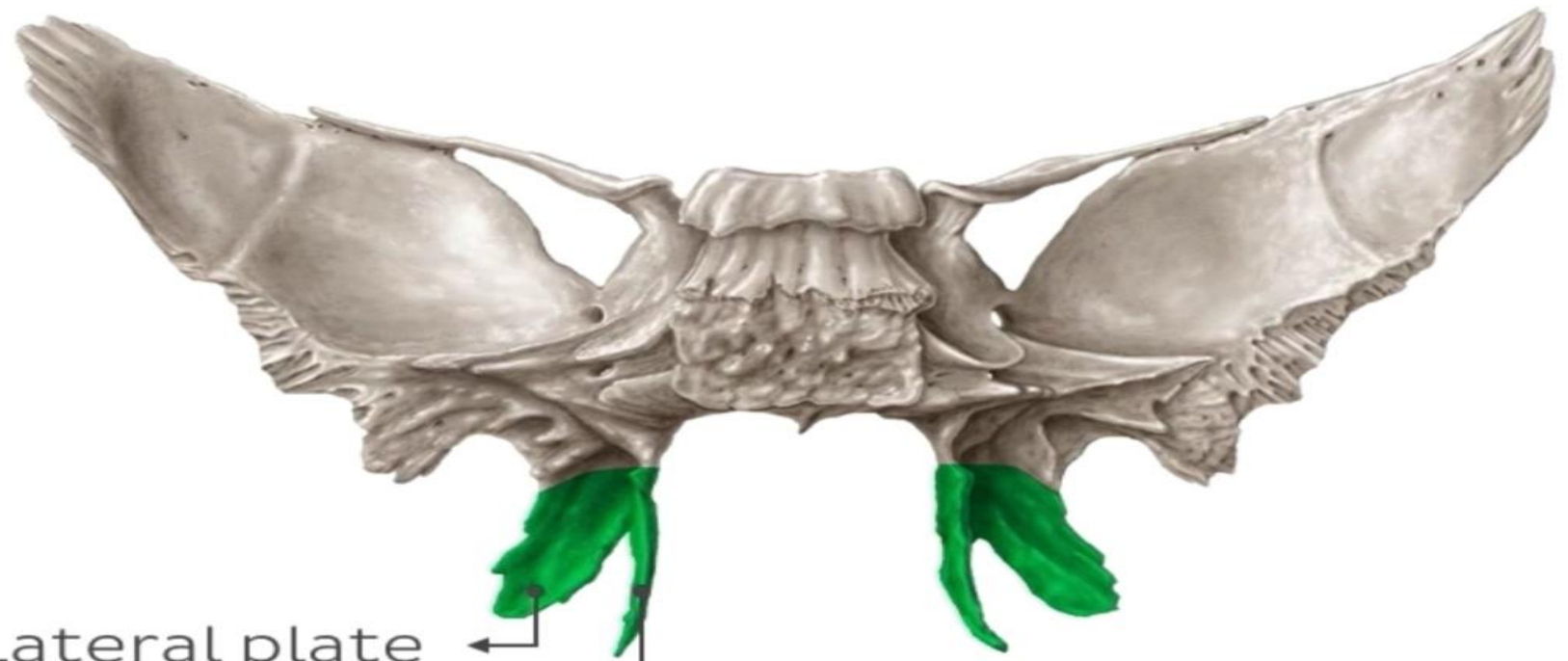


INFERIOR PART OF THE LATERAL PTERYGOID

- Origin
Lateral surface
of the lateral
pterygoid plate
of sphenoid
bone
- Insertion
Pterygoid fovea
on the neck of
condyloid

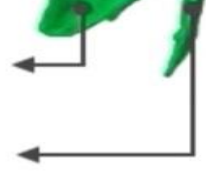


P



Lateral plate

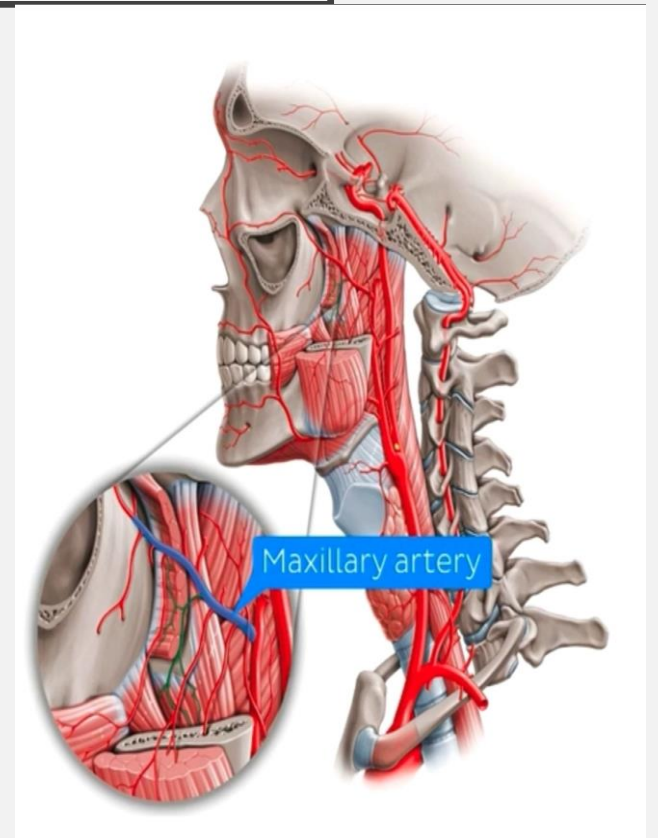
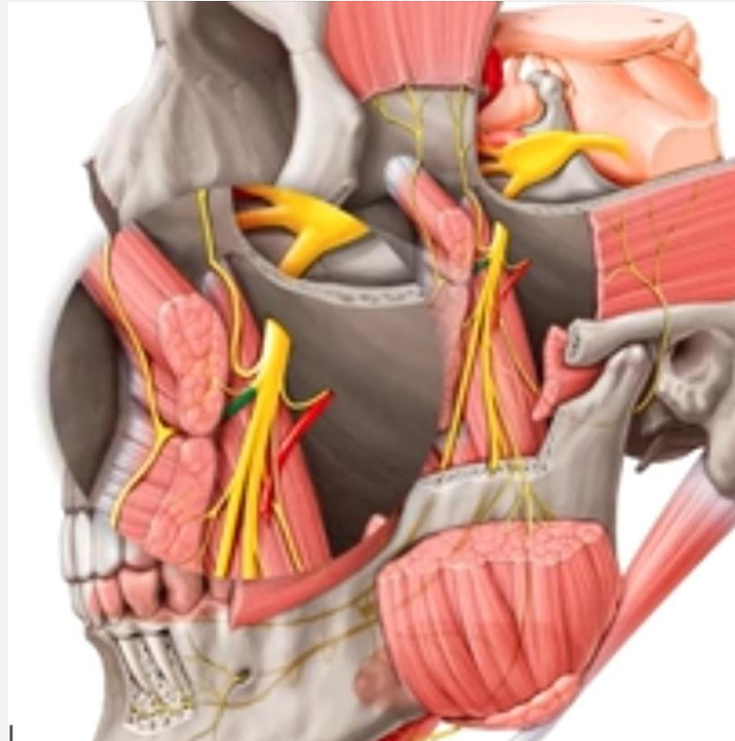
Medial plate





LATERAL PTERYGOID MUSCLE

- Innervation
Lateral pterygoid nerve of mandibular branch
- Blood supply
Pterygoid branch of maxillary artery



FUNCTIONS OF LATERAL PTERYGOID

- Protusion
- Assist in depression
- Unilateral contraction of superiorhead lead to rotation of mandible



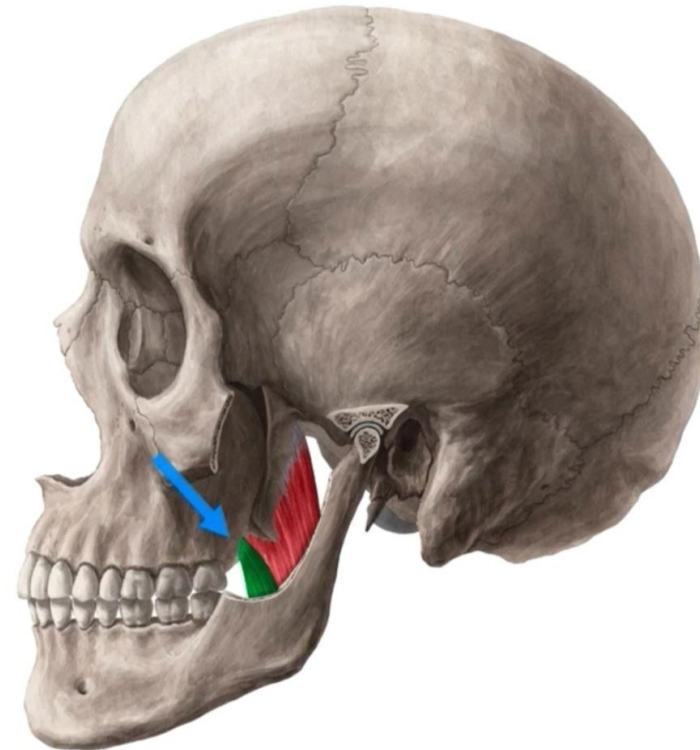
MEDIAL PTERYGOID MUSCLE

- Forms a muscular sling with masseter
- Has two parts
 1. Superficial part
 2. Deep part

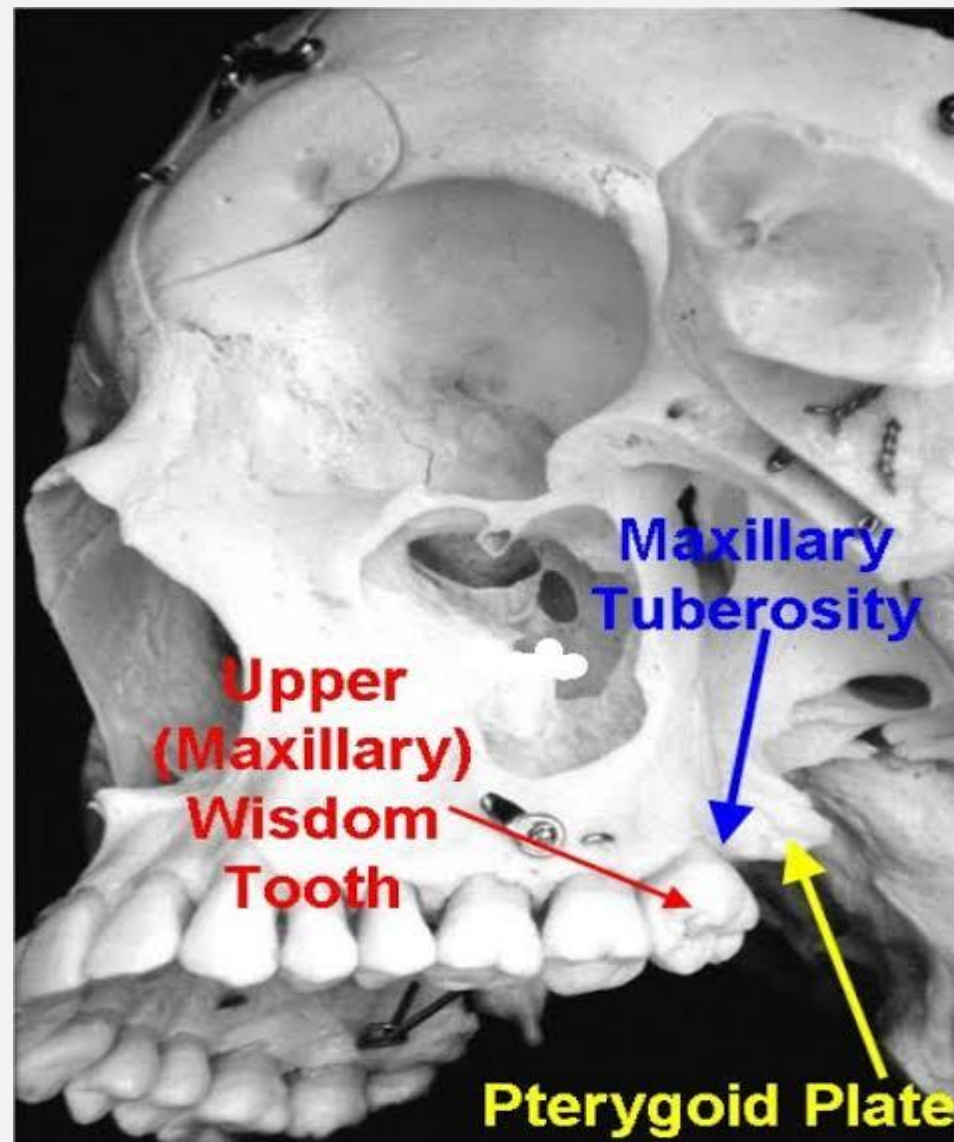
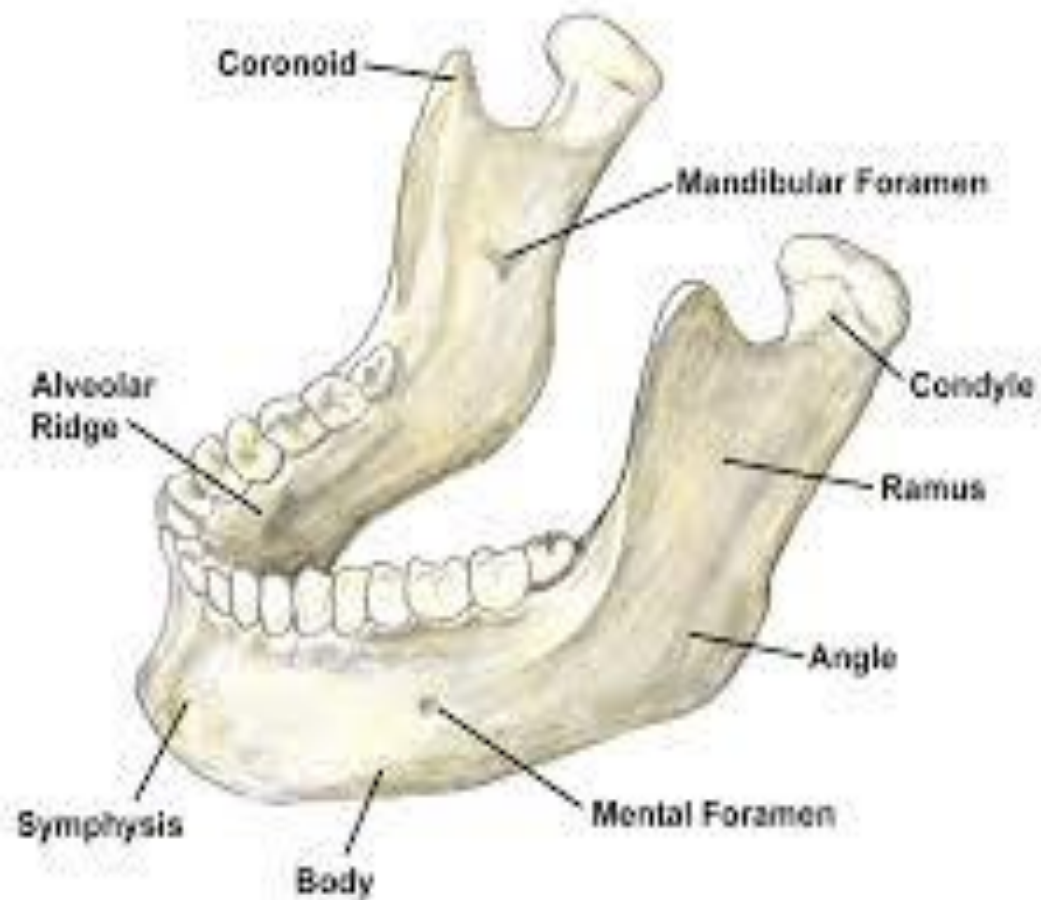


SUPERFICIAL PART OF MEDIAL PTERYGOID

- Origin
Tuberosity of
maxilla
- Insertion
Medial surface
of the angle of
mandible

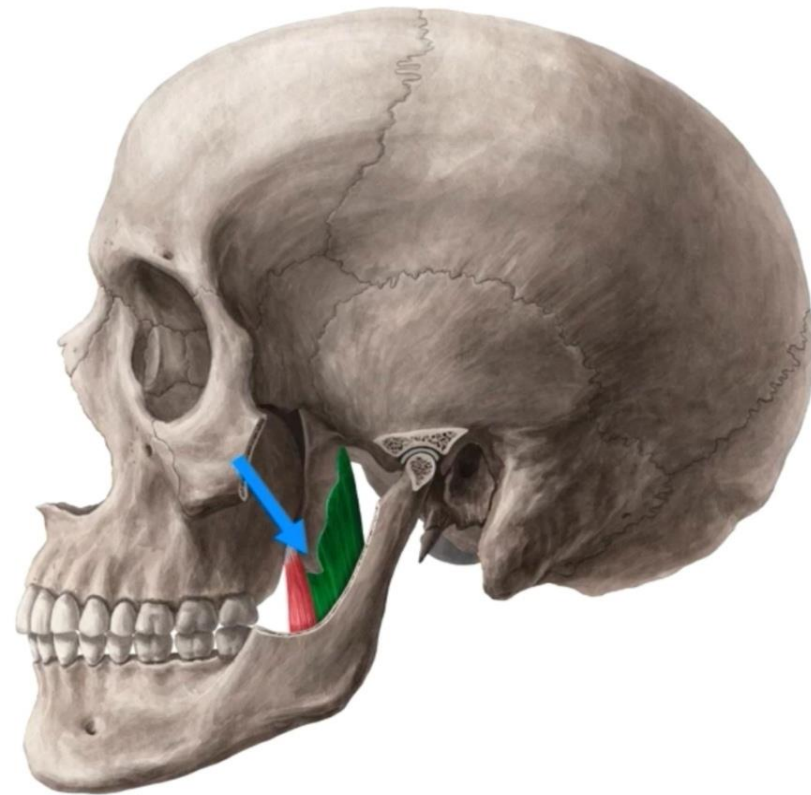


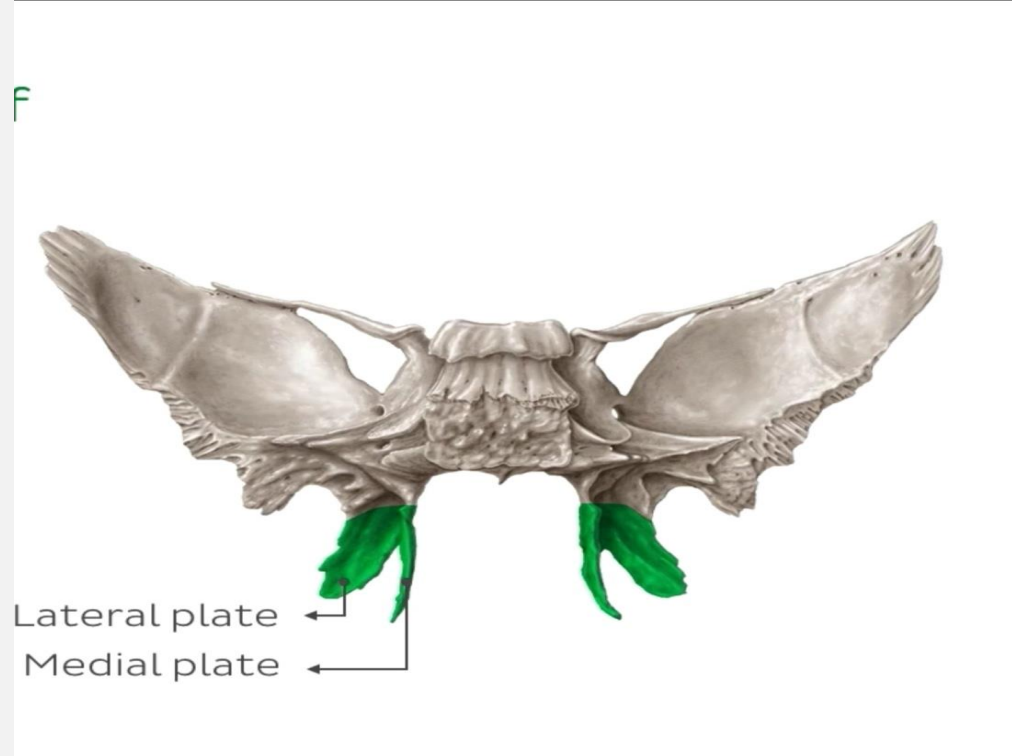
Basic Anatomy of the Mandible



DEEP PART OF MEDIAL PTERYGOID MUSCLE

- Origin
medial surface
of the lateral
plate of
pterygoid
process of
sphenoid bone





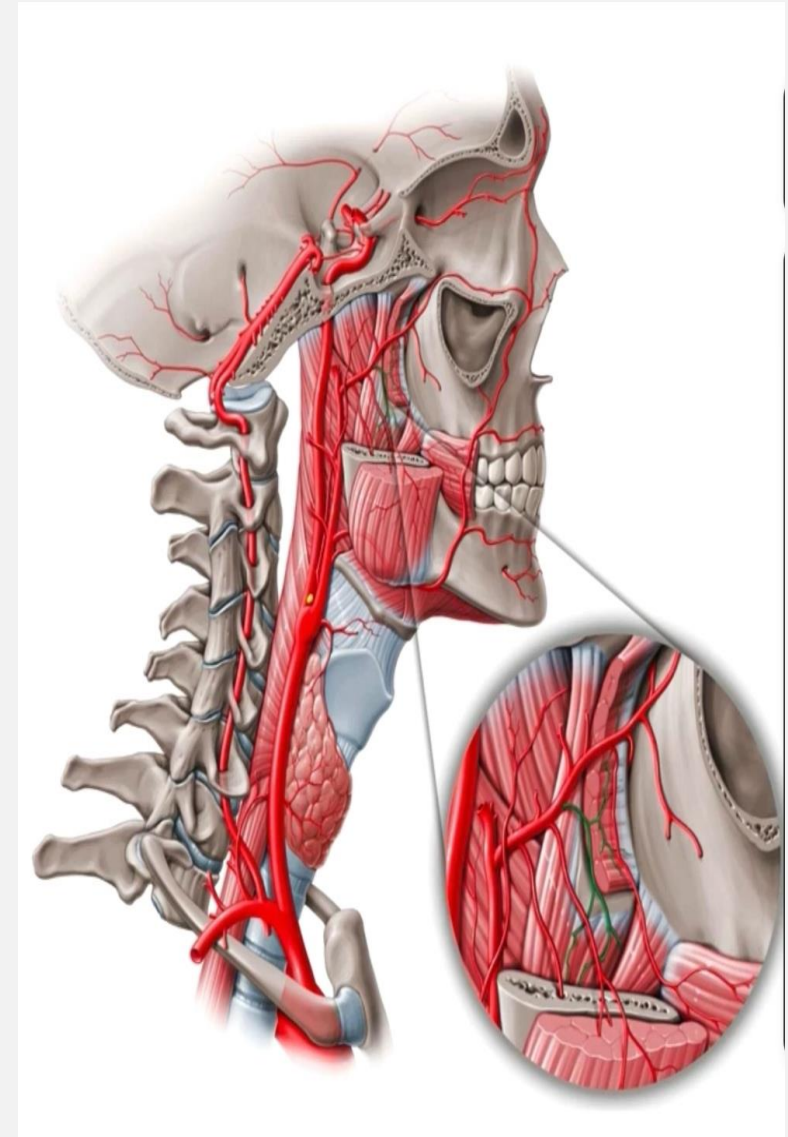
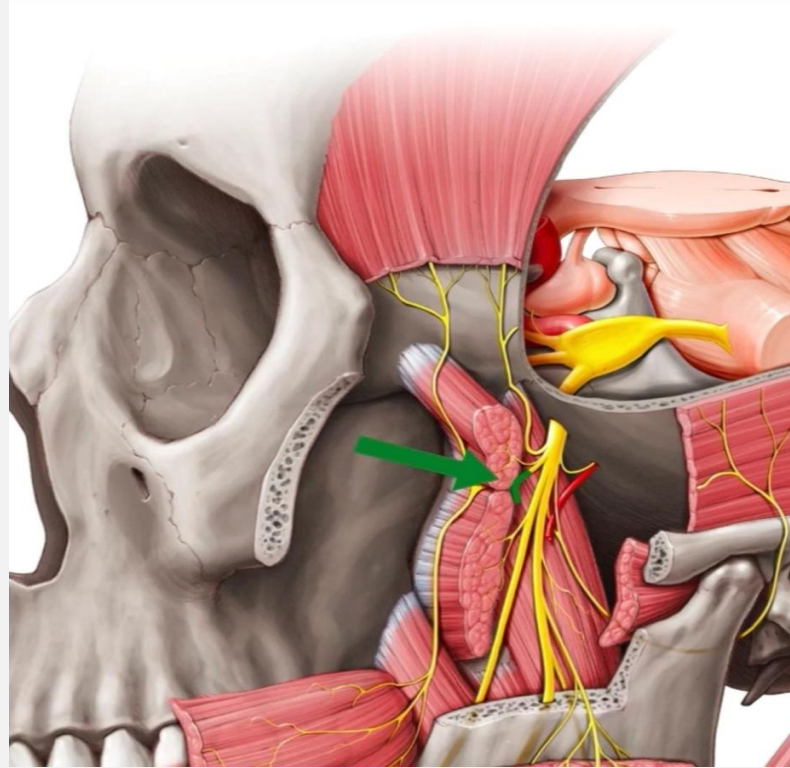
- Lateral surface of the lateral plate :Origin of the inferior head of the lateral pterygoid plate of
- Medial surface of the lateral plate : Origin of the deep head of the lateral pterygoid

DEEP PART OF THE MEDIAL PTERYGOID MUSCLE

- Insertion
Medial surface of the angle of mandible



- Innervation
Medial pterygoid nerve of mandibular nerve
- Blood supply
pterygoid branch of maxillary artery



MEDIAL PTERYGOID FUNCTIONS

- Elevation
- Protusion
- Unilateral contraction leads to medial movement

- THANK YOU