

Muscles masticateurs

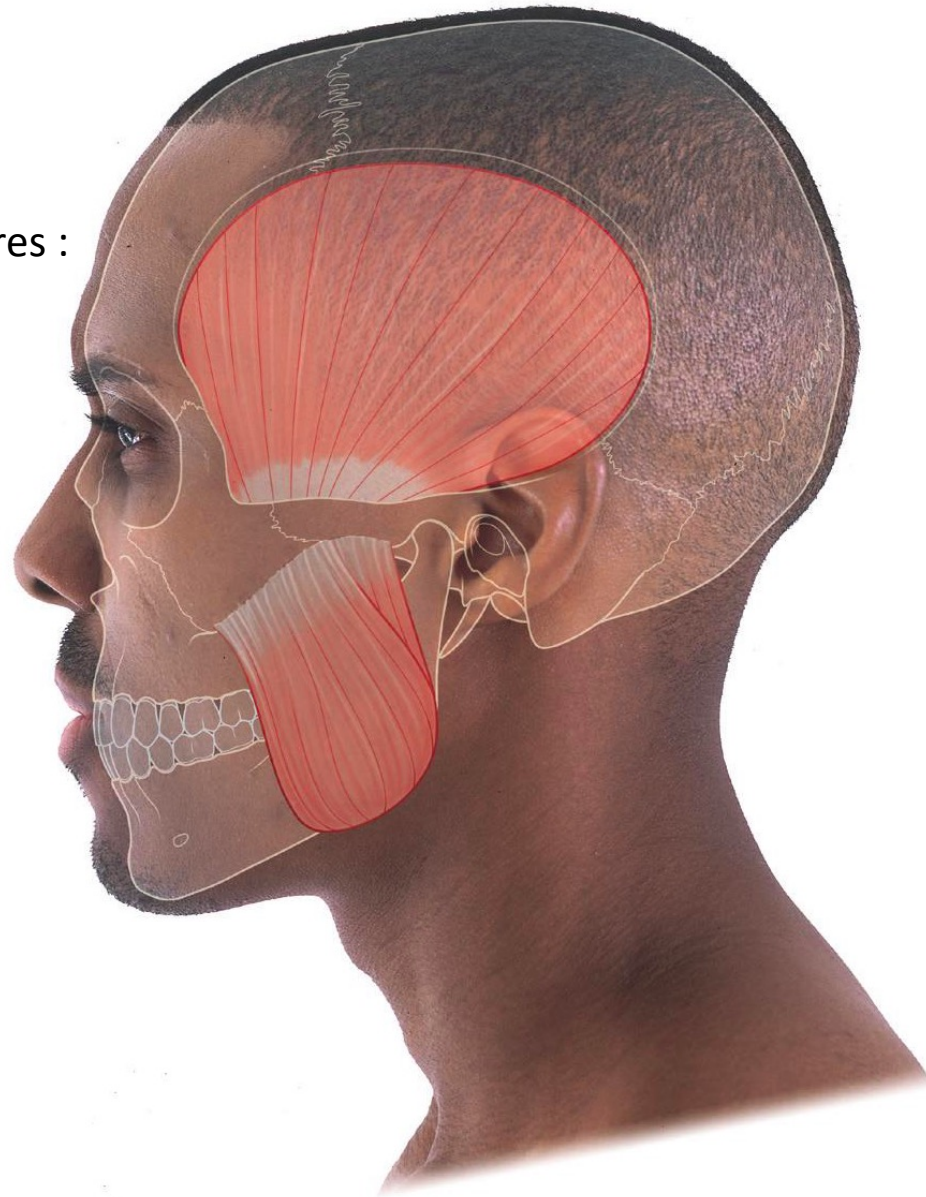
Muscles masticateurs primaires :
un groupe de 4 muscles

superficiels

- muscle temporal
- muscle masséter

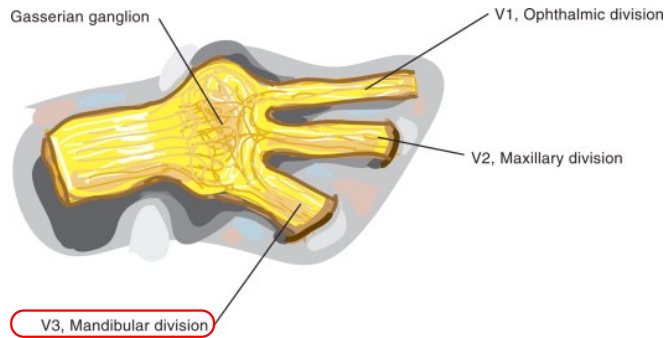
profonds

- muscle ptérygoïdien médial
- muscle ptérygoïdien latéral



Muscles masticateurs

primaires



V3 nerf mandibulaire

M. temporalis

Nn. temporales profundi (N. mandibularis [V/3])



O: Os temporale below the Linea temporalis inferior, deep layer of the Fascia temporalis

I: Apex and medial surface of the Proc. coronoideus of the Mandibula

F: Anterior fibres close the jaws, posterior fibres retract the mandible (= retrusion)

M. masseter

N. massetericus (N. mandibularis [V/3])



O: Pars superficialis: anterior two thirds of the inferior margin of the Arcus zygomaticus (tendinous)
Pars profunda: posterior third of the inner surface of the Arcus zygomaticus

I: Pars superficialis: Angulus mandibulae, Tuberositas masseterica
Pars profunda: inferior margin of the Mandibula

F: Closes the jaws

M. pterygoideus medialis

N. pterygoideus medialis (N. mandibularis [V/3])



O: Fossa pterygoidea, medial surface of the Lamina lateralis of the Proc. pterygoideus, Proc. pyramidalis of the Os palatinum

I: Inferior margin of the Mandibula, Tuberositas pterygoidea

F: Closes the jaws

M. pterygoideus lateralis

N. pterygoideus lateralis (N. mandibularis [V/3])



O: Caput superius: outer surface of the Lamina lateralis of the Proc. pterygoideus, Tuber maxillae (accessory)
Caput inferius: Facies temporalis of the Ala major of the Os sphenoidale

I: Caput superius: disc and capsule of the Articulatio temporo-mandibularis
Caput inferius: Fovea pterygoidea of the Proc. condylaris of the Mandibula

F: Caput inferius: draws the mandible anteriorely (=protrusion)

Muscles	Innervation
Primary Muscles	
Masseter	Branch of the mandibular nerve, a division of cranial nerve V
Temporalis	Branch of the mandibular nerve, a division of cranial nerve V
Medial pterygoid	Branch of the mandibular nerve, a division of cranial nerve V
Lateral pterygoid	Branch of the mandibular nerve, a division of cranial nerve V
Secondary Muscles	
<i>Suprahyoid Group</i>	
Digastric (posterior belly)	Facial nerve (cranial nerve VII)
Digastric (anterior belly)	Inferior alveolar nerve (branch of the mandibular nerve, a division of cranial nerve V)
Geniohyoid	C ¹ via the hypoglossal nerve (cranial nerve XII)
Mylohyoid	Inferior alveolar nerve (branch of the mandibular nerve, a division of cranial nerve V)
Stylohyoid	Facial nerve (cranial nerve VII)
<i>Infradyoid Group</i>	
Omohyoid	Ventral rami of C ¹ -C ³
Sternohyoid	Ventral rami of C ¹ -C ³
Sternothyroid	Ventral rami of C ¹ -C ³
Thyrohyoid	Ventral rami of C ¹ (via cranial nerve XII)

Muscle	Insertion proximale	Insertion distale	Innervation tronculaire et radulaire	Action
Temporal	Fosse temporale	Processus coronoïde et branche antérieure de la mandibule	Branches profondes du nerf mandibulaire	Élévation de la mandibule
Masséter	Partie inférieure et médiale de l'arche zygomatique	Processus coronoïde et branche latérale de la mandibule	Nerf massétérique, collatéral du nerf mandibulaire	Élévation et propulsion de la mandibule

Muscle	Insertion proximale	Insertion distale	Innervation tronculaire et radulaire	Action
Ptérygoïdien médial	Face médiale de la lame latérale du processus ptérygoïde, processus pyramidal de l'os palatin et tubérosité maxillaire	Face médiale de la branche de la mandibule	Nerf ptérygoïdien médial, collatéral du nerf mandibulaire	Élévation et propulsion de la mandibule
Ptérygoïdien latéral	Chef supérieur $\frac{1}{4}$	Col de la mandibule, disque articulaire et capsule de l'ATM	Nerf ptérygoïdien latéral, collatéral du nerf mandibulaire	En bilatéral : propulsion et décompression de la mandibule En unilatéral : diduction vers le côté opposé
	Chef inférieur $\frac{3}{4}$			


 n'élève pas la mandibule

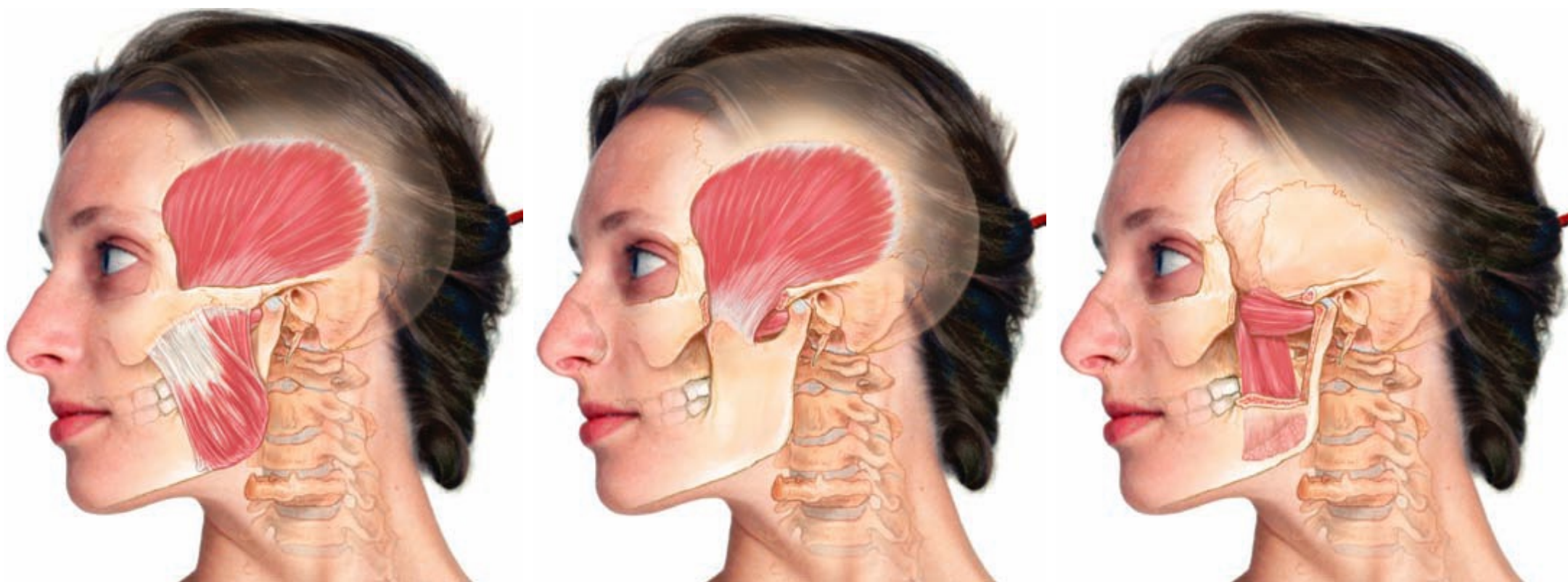
Table 8.11 Muscles of mastication

Muscle	Origin	Insertion	Innervation	Function
Masseter	Zygomatic arch and maxillary process of the zygomatic bone	Lateral surface of ramus of mandible	Masseteric nerve from the anterior trunk of the mandibular nerve [V ₃]	Elevation of mandible
Temporalis	Bone of temporal fossa and temporal fascia	Coronoid process of mandible and anterior margin of ramus of mandible almost to last molar tooth	Deep temporal nerves from the anterior trunk of the mandibular nerve [V ₃]	Elevation and retraction of mandible
Medial pterygoid	<u>Deep head</u> —medial surface of lateral plate of pterygoid process and pyramidal process of palatine bone; <u>superficial head</u> —tuberosity of the maxilla and pyramidal process of palatine bone	Medial surface of mandible near angle	Nerve to medial pterygoid from the mandibular nerve [V ₃]	Elevation and side-to-side movements of the mandible
Lateral pterygoid	Upper head—roof of infratemporal fossa; lower head—lateral surface of lateral plate of the pterygoid process	Capsule of temporomandibular joint in the region of attachment to the articular disc and to the pterygoid fovea on the neck of mandible	Nerve to lateral pterygoid directly from the anterior trunk of the mandibular nerve [V ₃] or from the buccal branch	Protrusion and side-to-side movements of the mandible

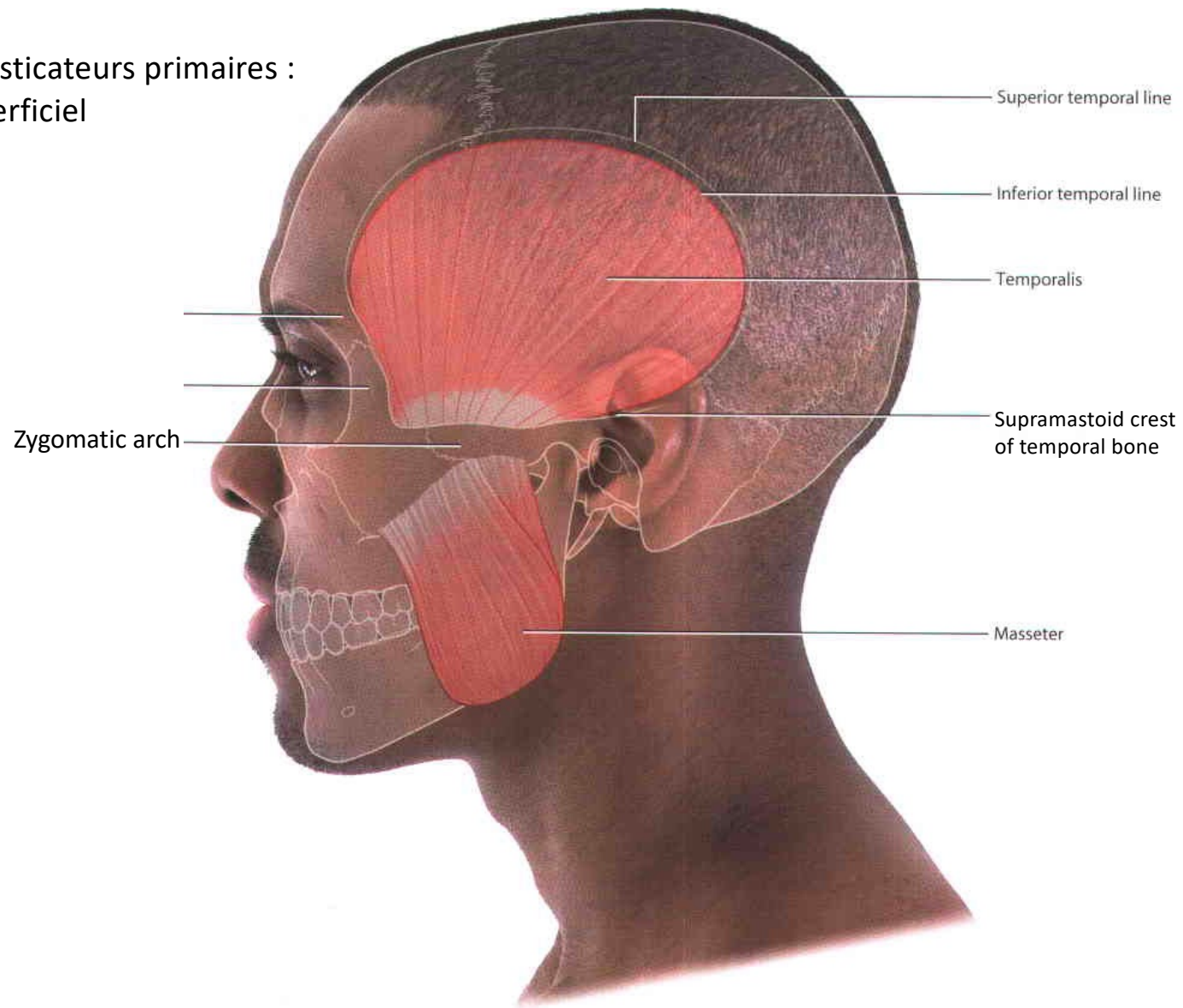
Arcade zygomatique



Les muscles de la mastication

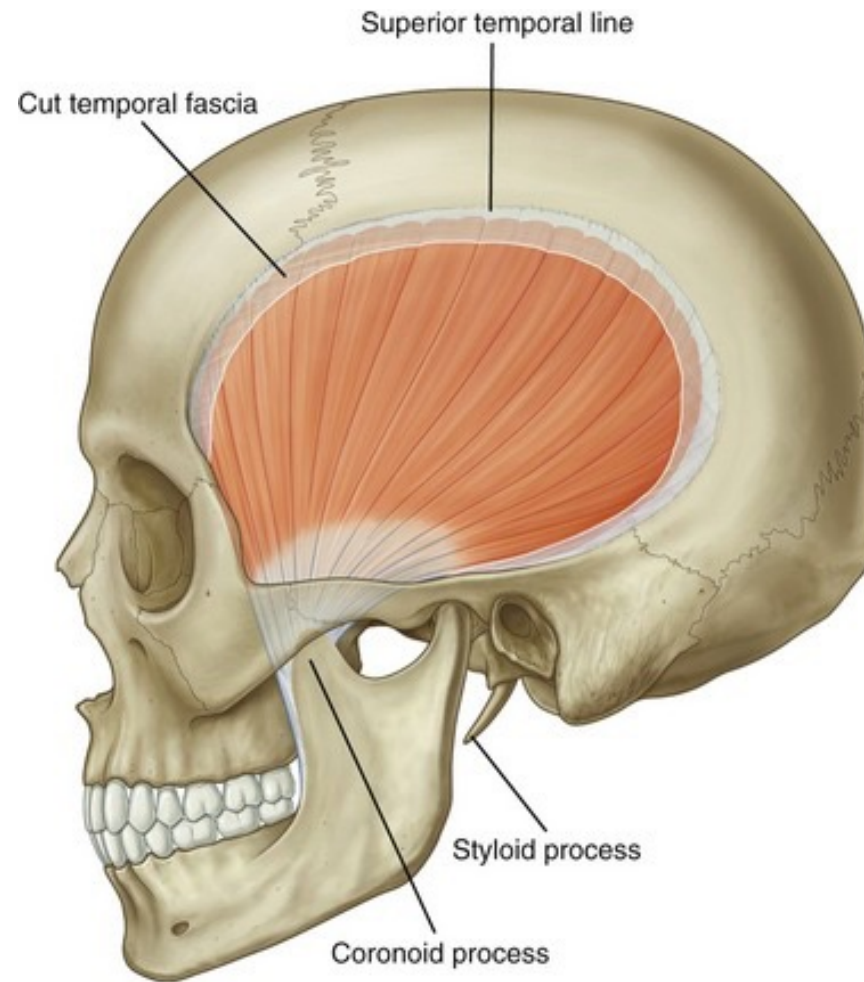


Muscles masticateurs primaires :
groupe superficiel



Muscles masticateurs :

- muscle temporal



Muscles auriculaires:

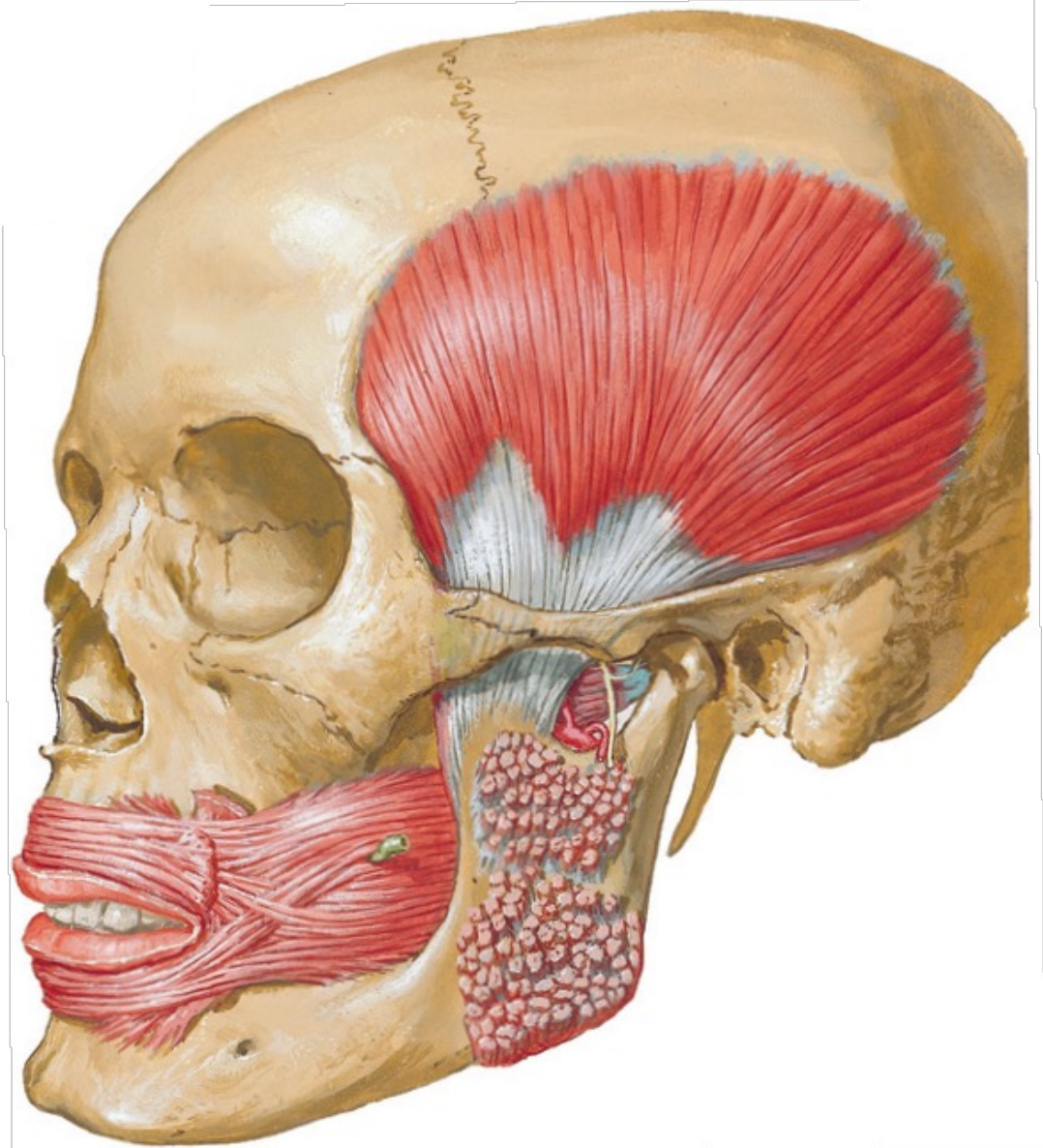
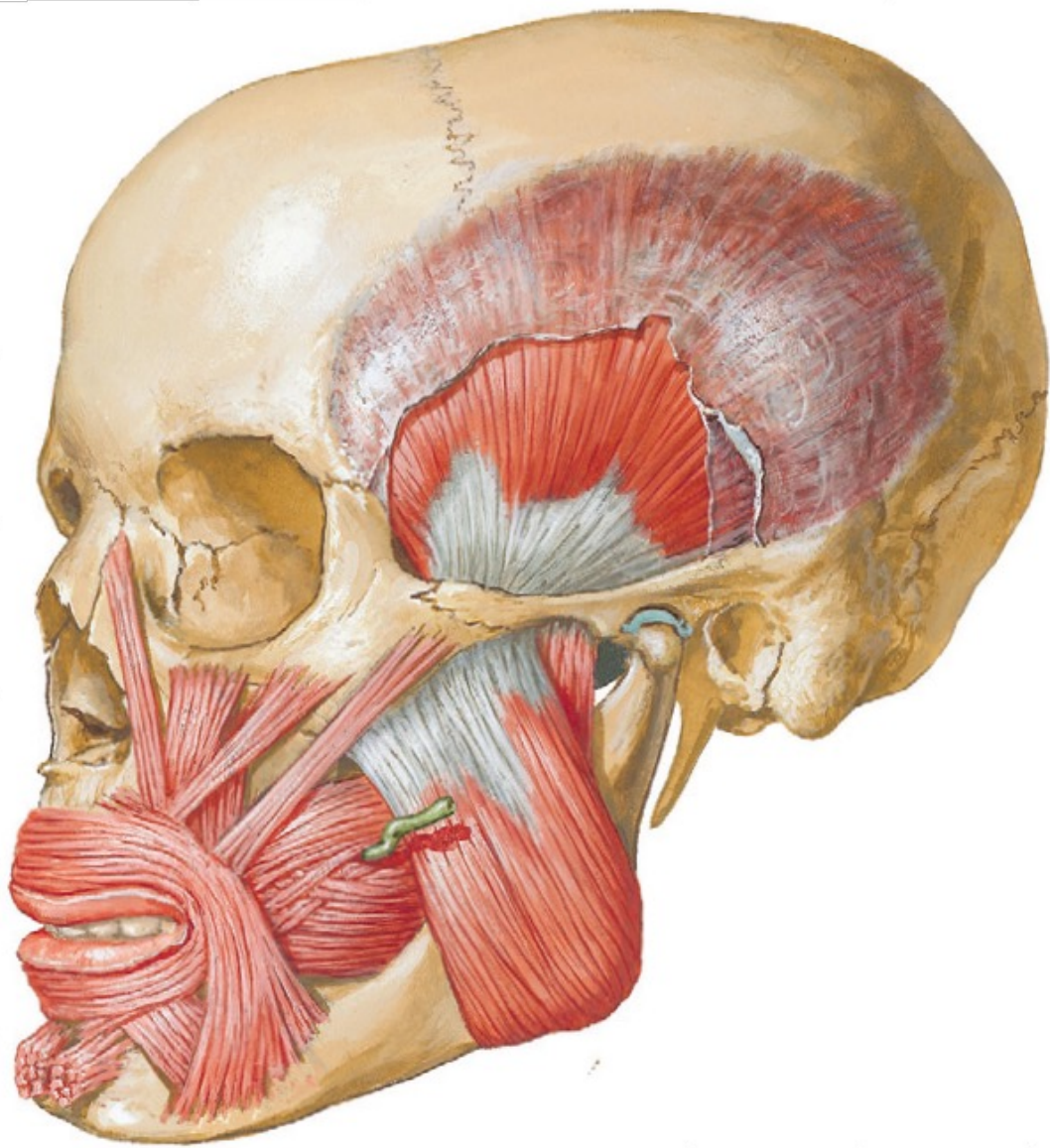
Origine :

fascia temporal (m. auriculaire antérieur [1]),
galea aponeurotica (m. auriculaire supérieur [2]),
processus mastoïde (m. auriculaire postérieur [3])

Insertion :

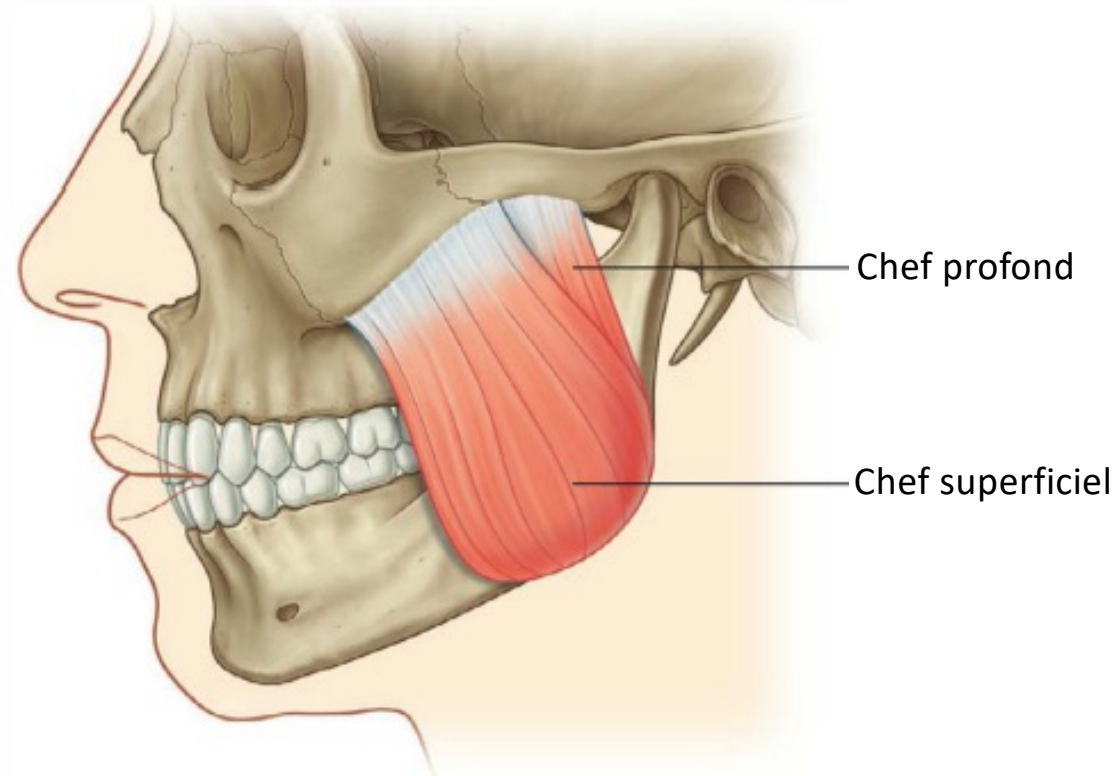
pavillon de l'oreille
(auricule)
[pinna]



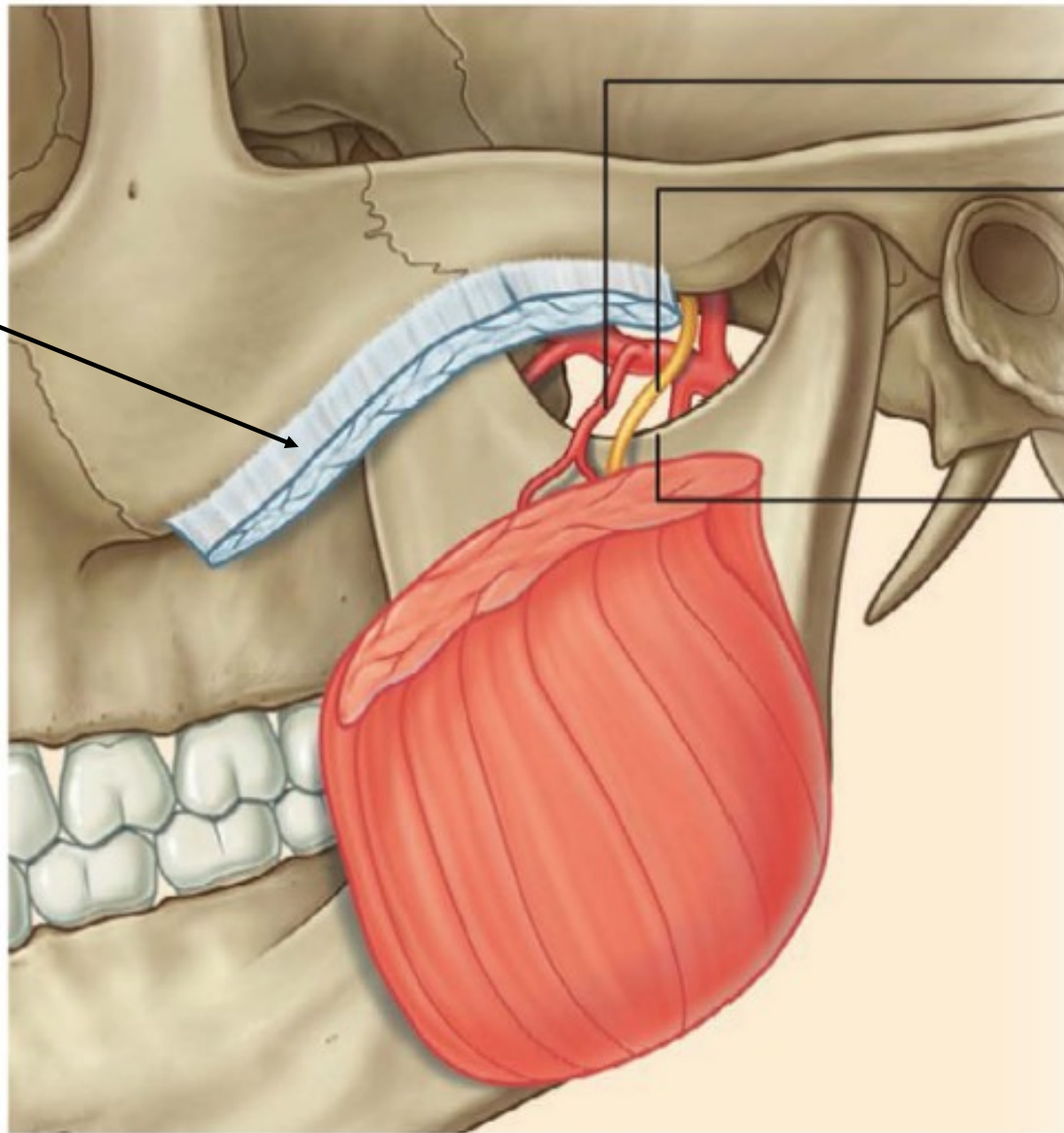


Muscles masticateurs :

- muscle masséter



Tendon
d'origine

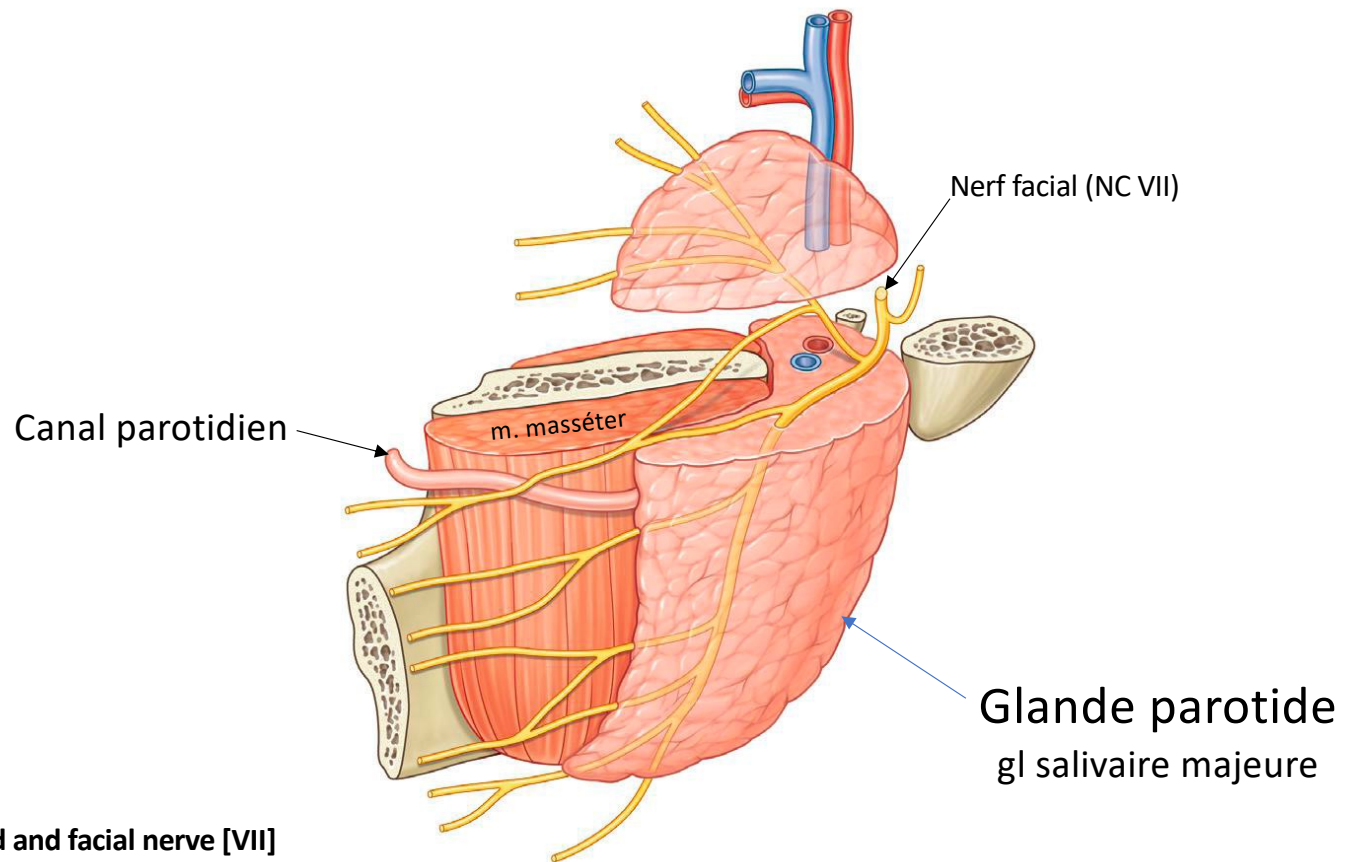


Artère
massétérienne

Nerf
massétérien

Incisure de la
mandibule

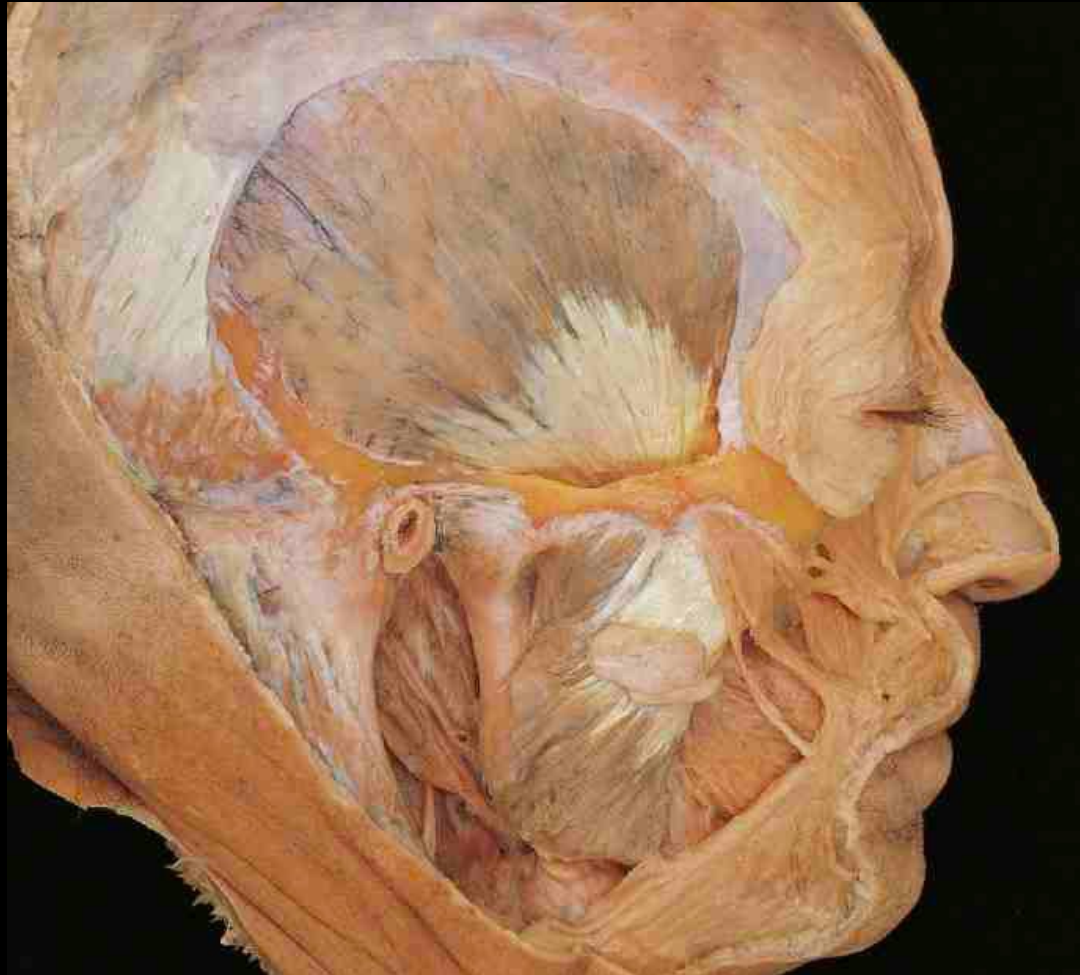
Rapports anatomiques du muscle masséter



Parotid gland and facial nerve [VII]

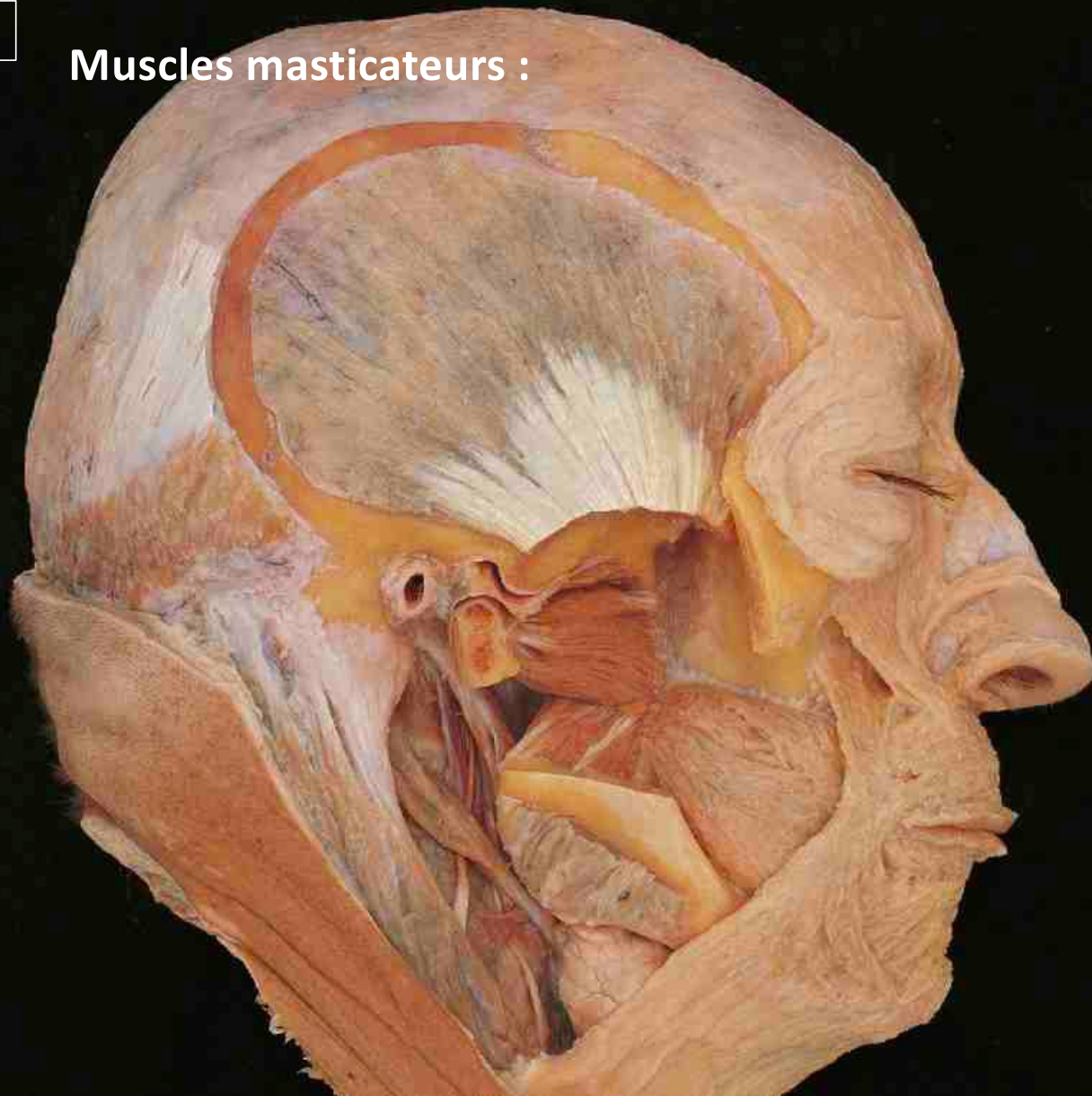
Dissection

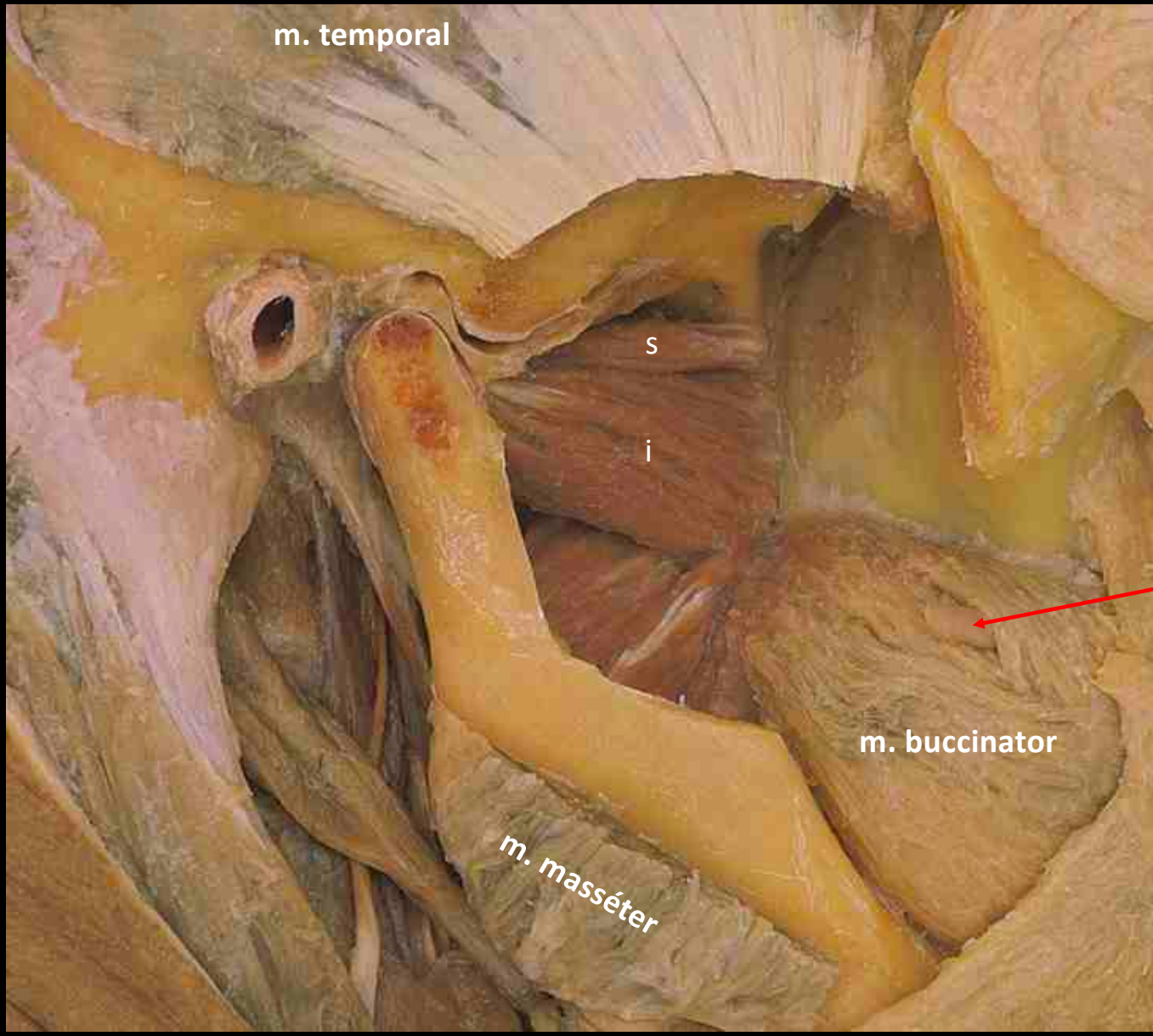
Muscles masticateurs :



Dissection

Muscles masticateurs :





m. temporal

s

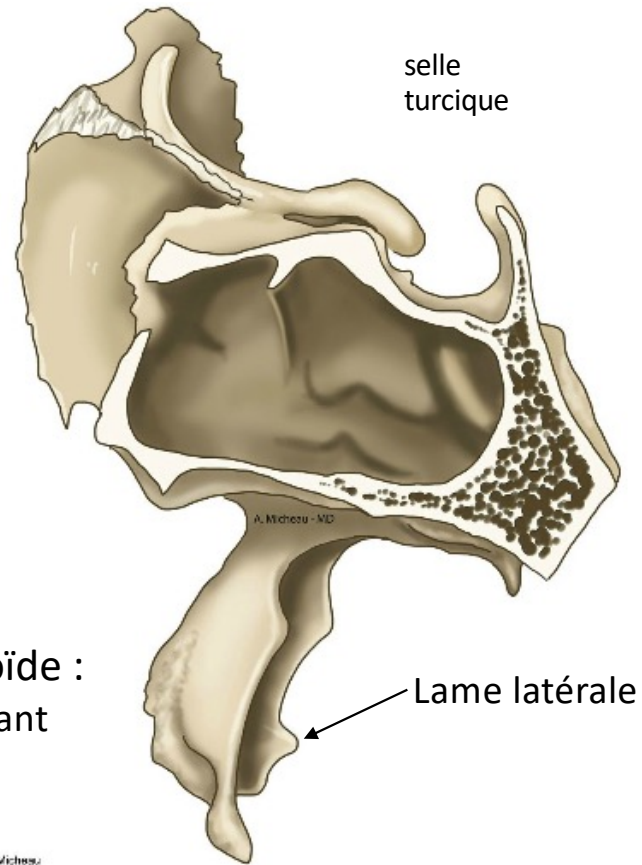
i

Conduit parotidien

m. buccinator

m. masséter

Os sphénoïde



Processus ptérygoïde :
2 lames unies en avant

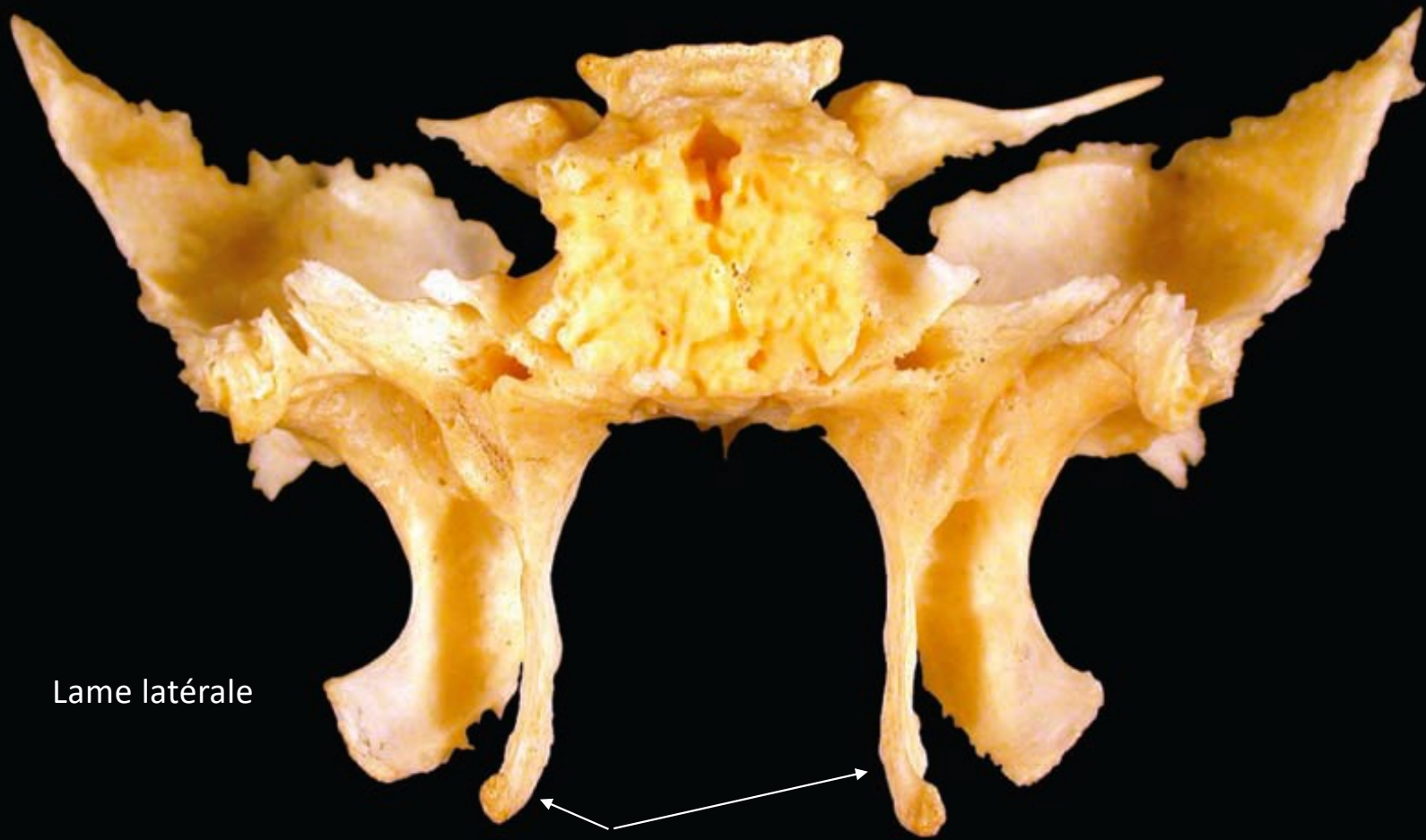
Lame latérale

L'os sphénoïde (du [grec ancien](#) σφηνοειδής / *sphênoeidés* « en forme de coin »)

Os sphénoïde



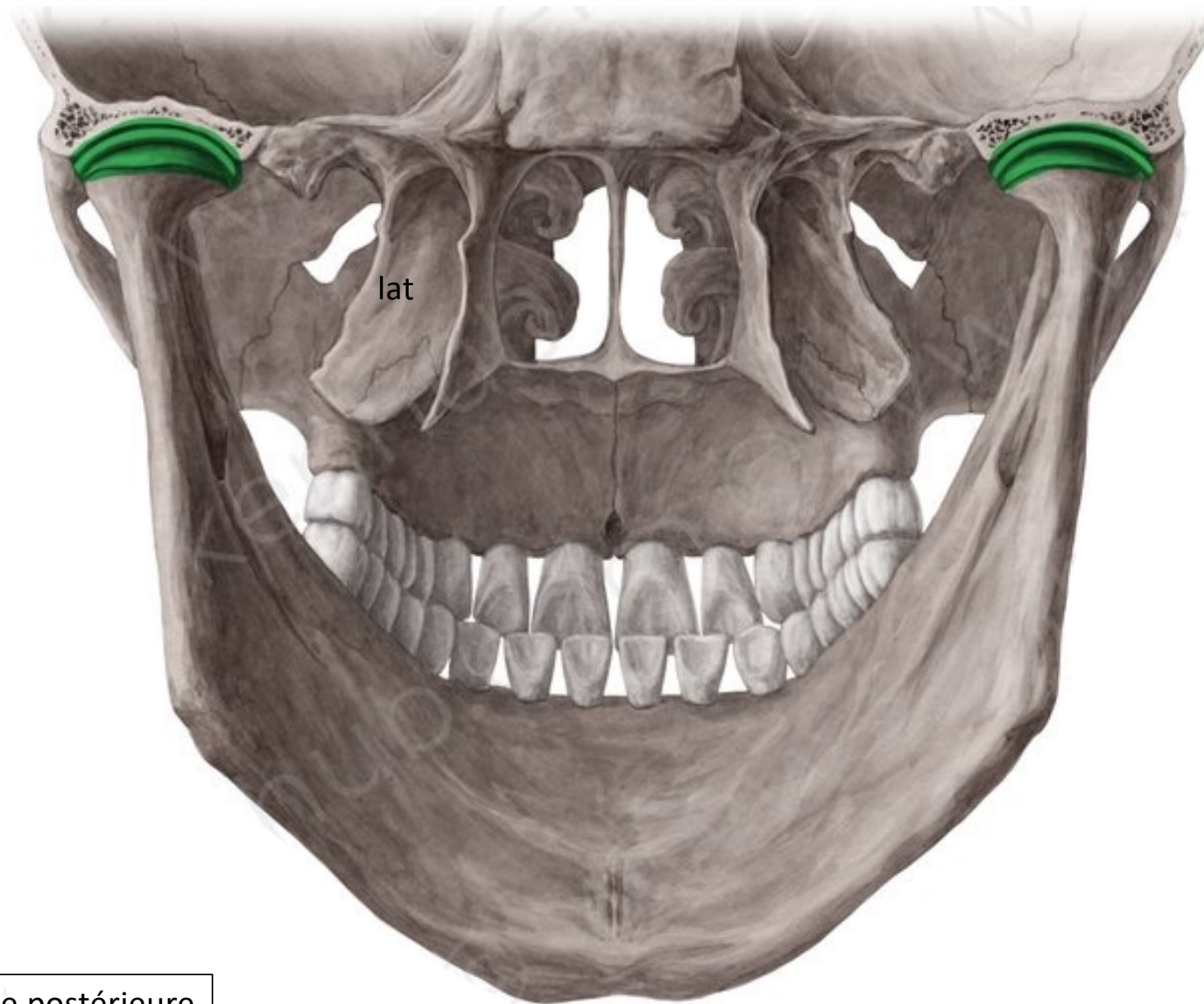
Vue antérieure



Lame latérale

Lame médiale

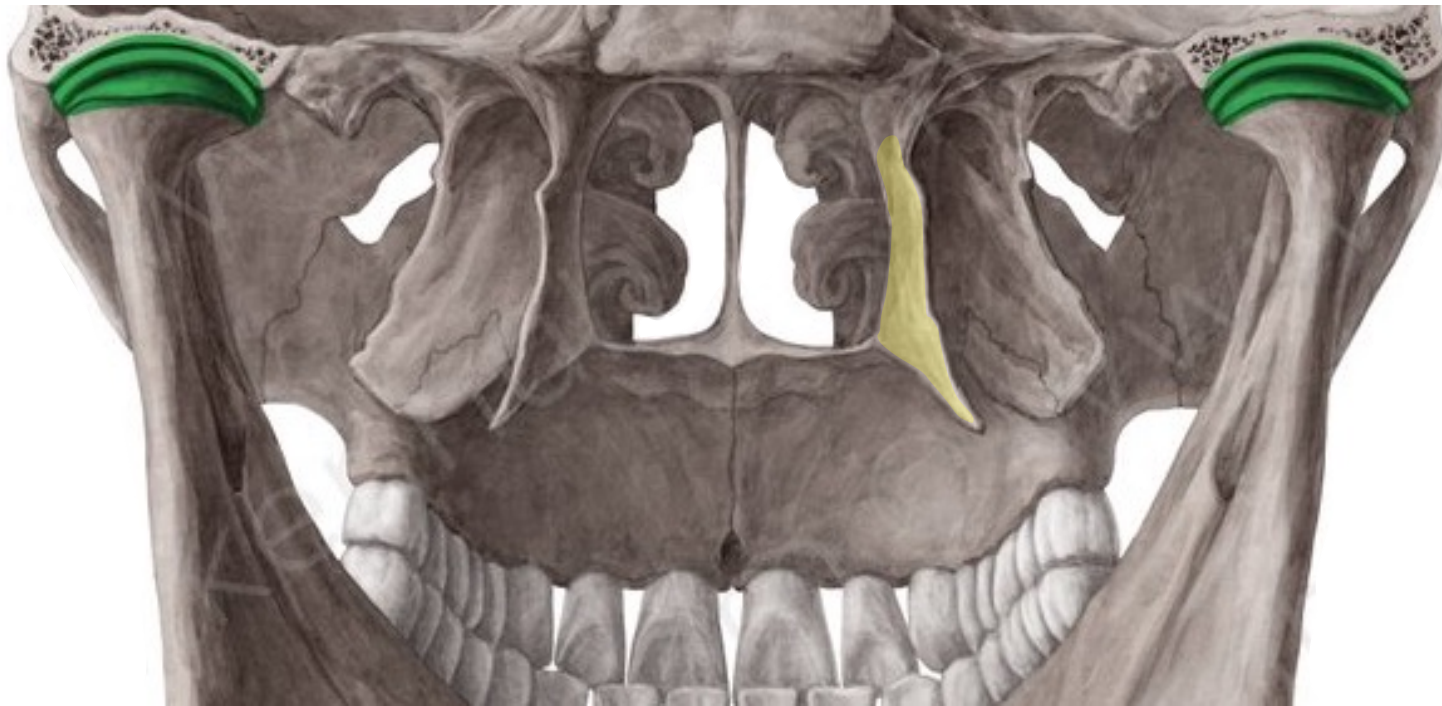
Vue postérieure



Vue postérieure

Processus ptérygoïde :

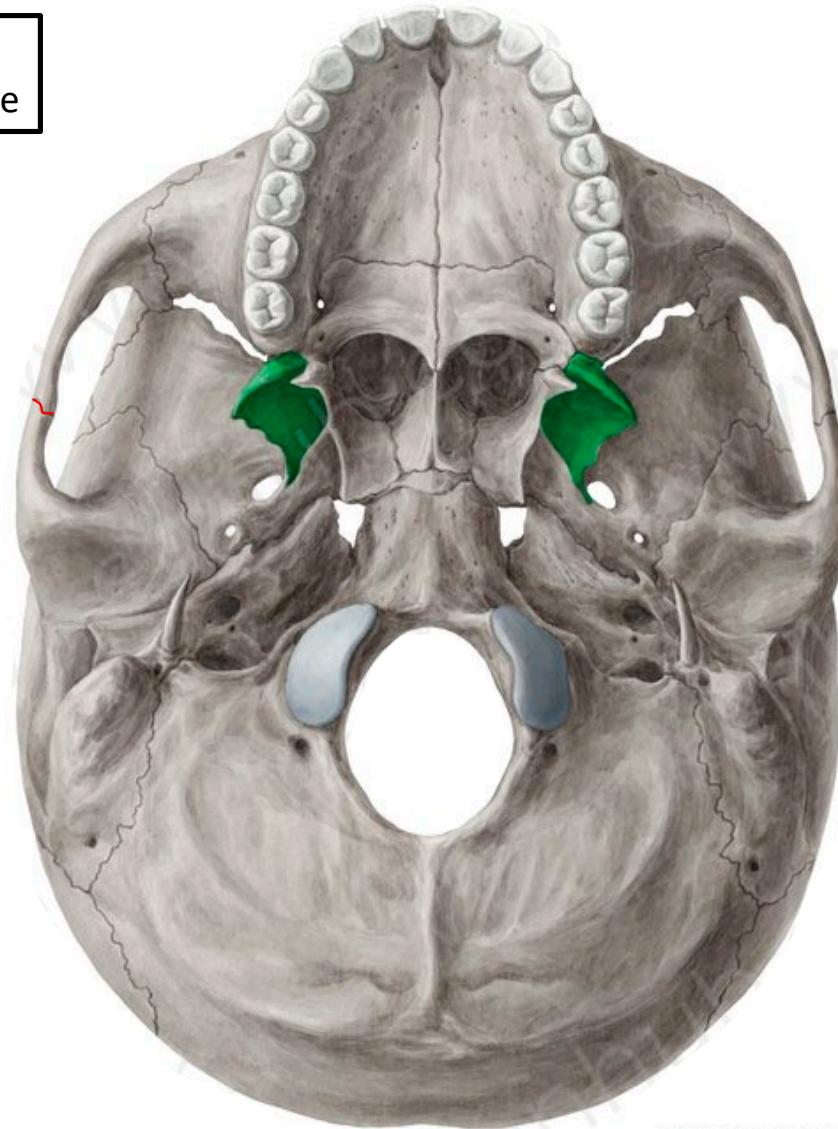
- lame **médiale**
 - face médiale
 - face latérale
- lame **latérale**



Vue postérieure

Os sphénoïde :
processus ptérygoïde

La **lame latérale** du
processus ptérygoïde
est colorée en vert

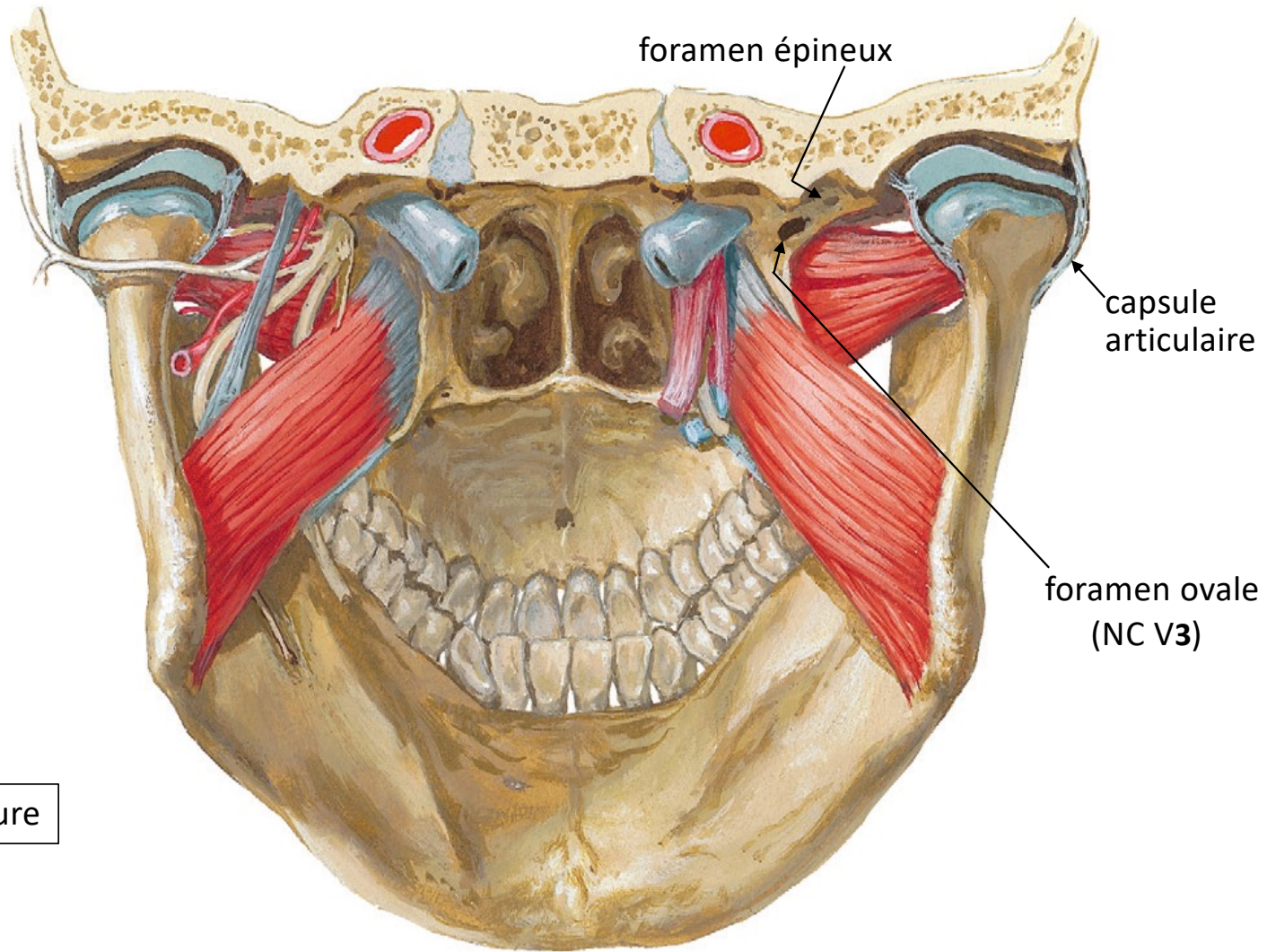


Arcade zygomatique

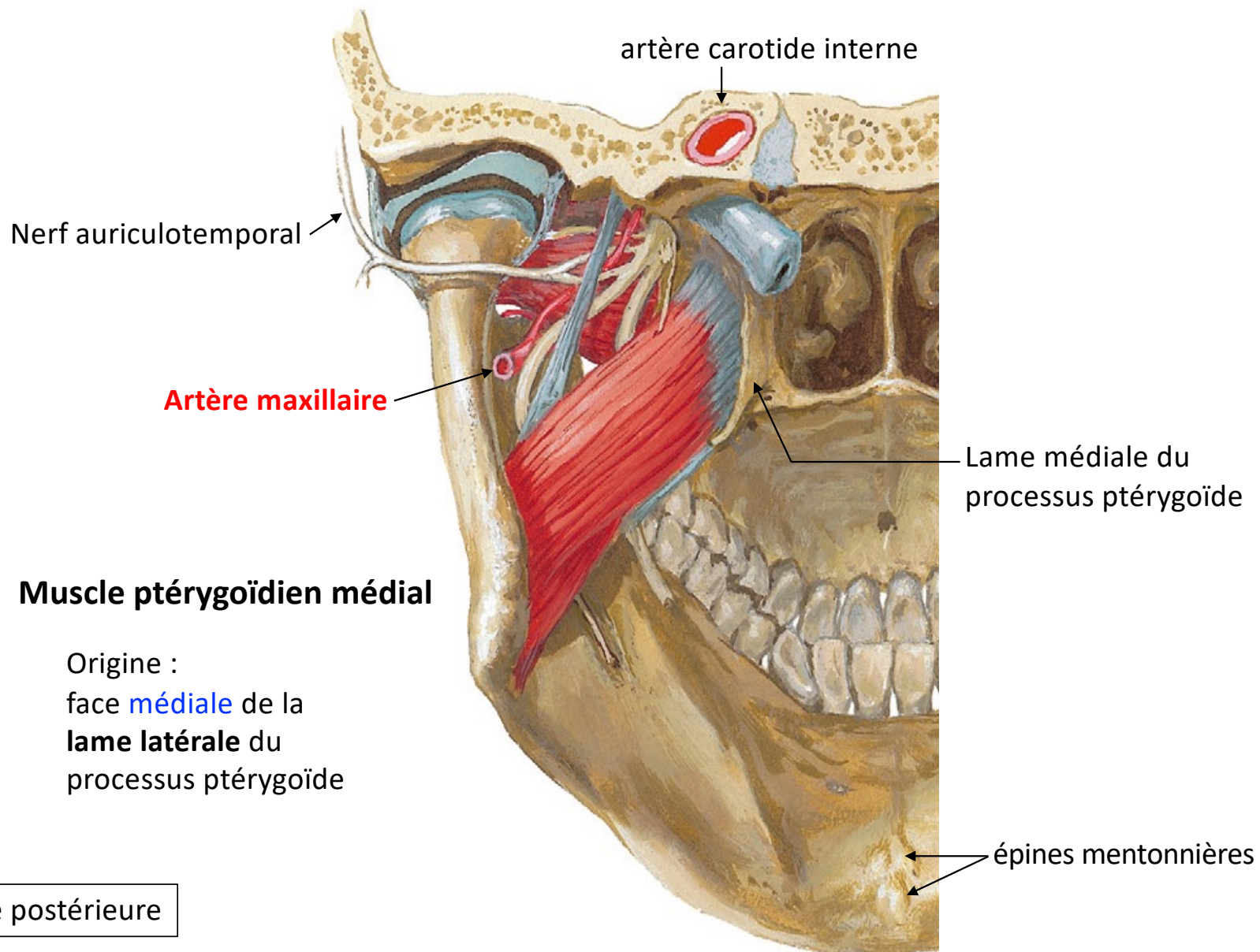
← suture

Vue inférieure

Les muscles ptérygoidiens



Vue postérieure



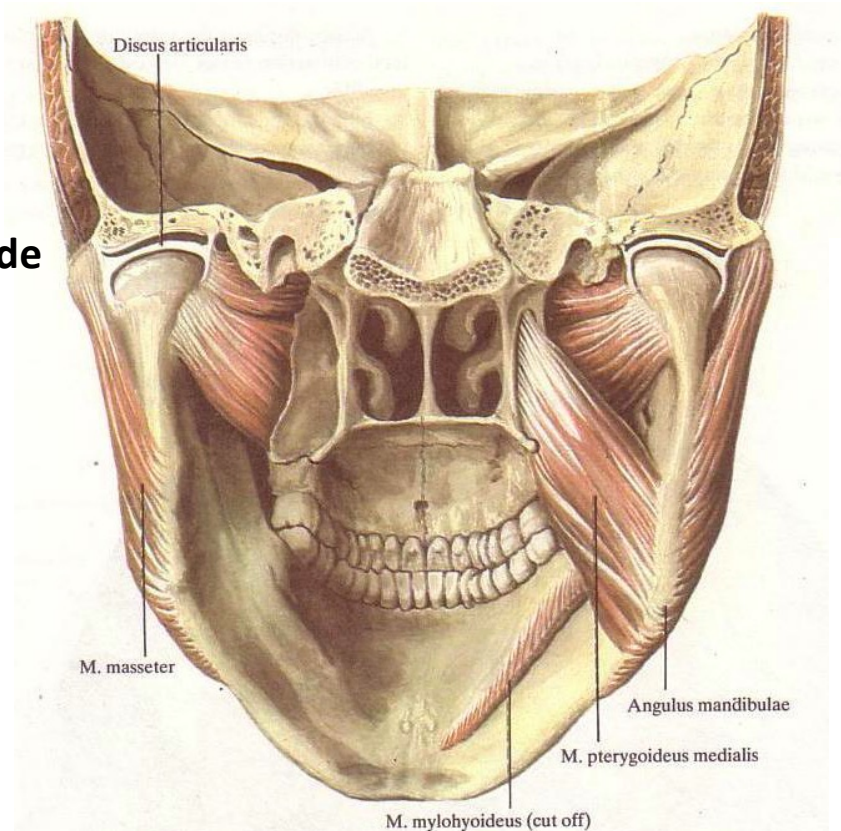
Les muscles ptérygoïdiens

- muscle ptérygoïdien médial
- muscle ptérygoïdien latéral

Processus ptérygoïde
de l'os sphénoïde

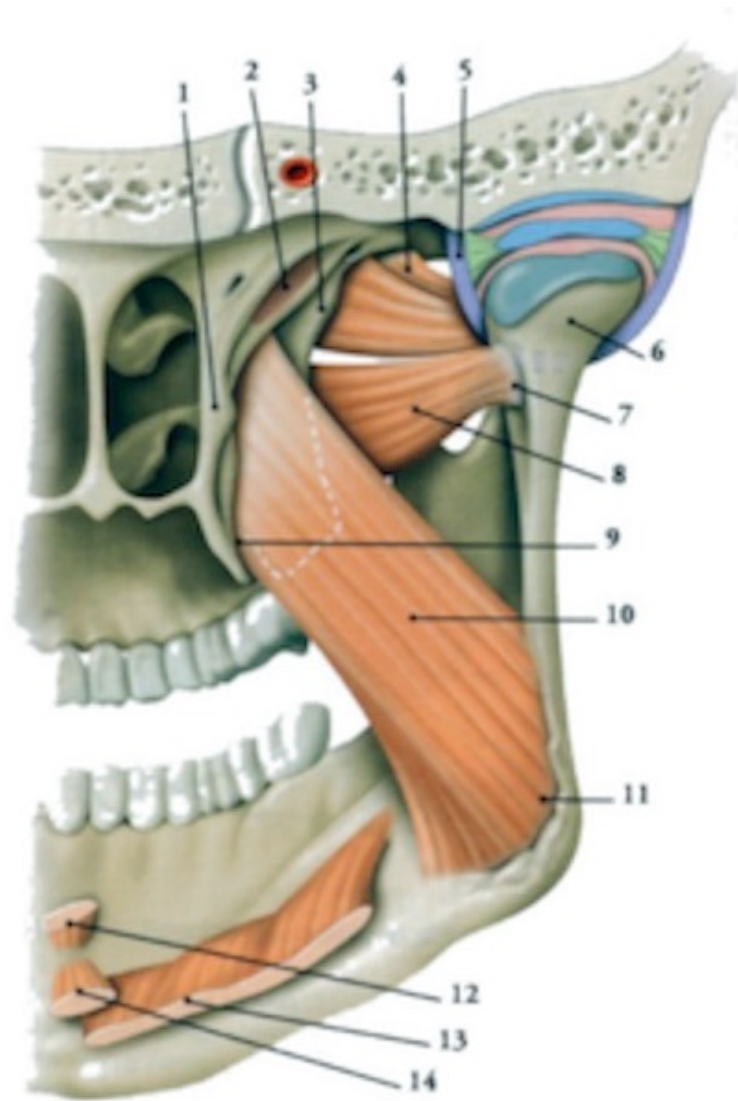
- lame latérale
- lame médiale

Vue postérieure

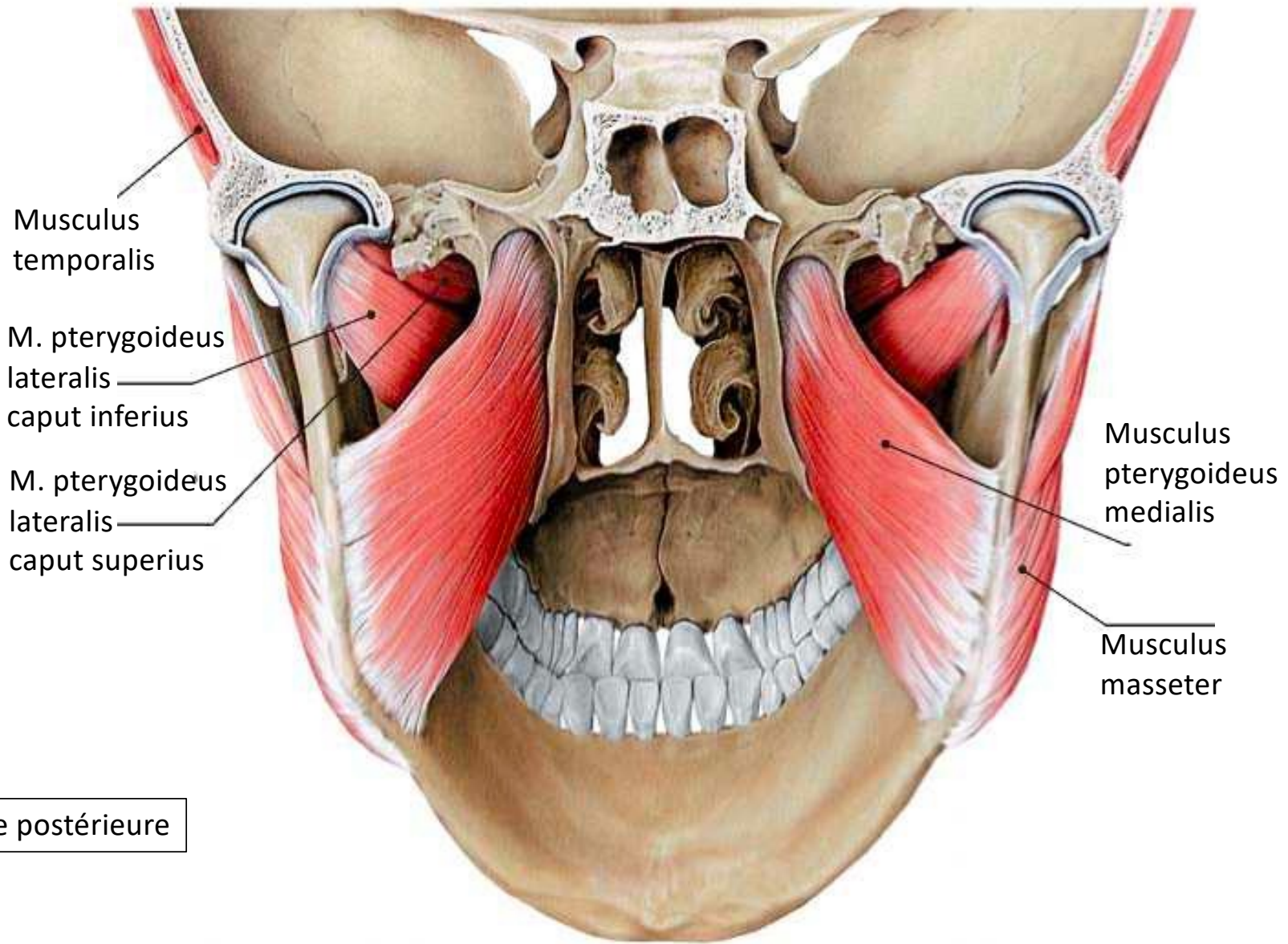


https://fr.wikipedia.org/wiki/Processus_ptérygoïde

Articulation temporo-mandibulaire



Vue postérieure

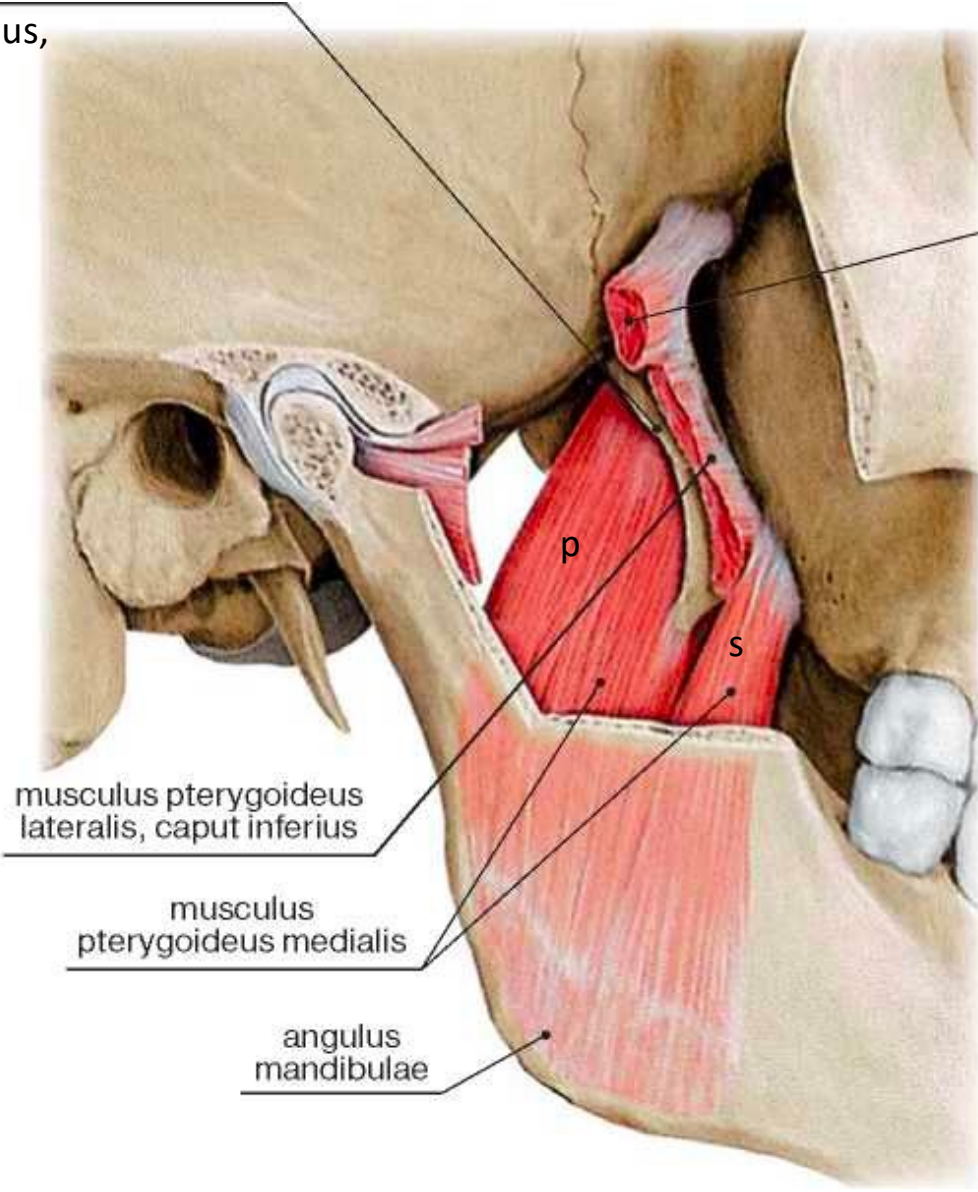


Vue postérieure

Processus pterygoideus,
lamina lateralis

Les muscles ptérygoïdiens

musculus
pterygoideus
lateralis,
caput superius



musculus pterygoideus
lateralis, caput inferius

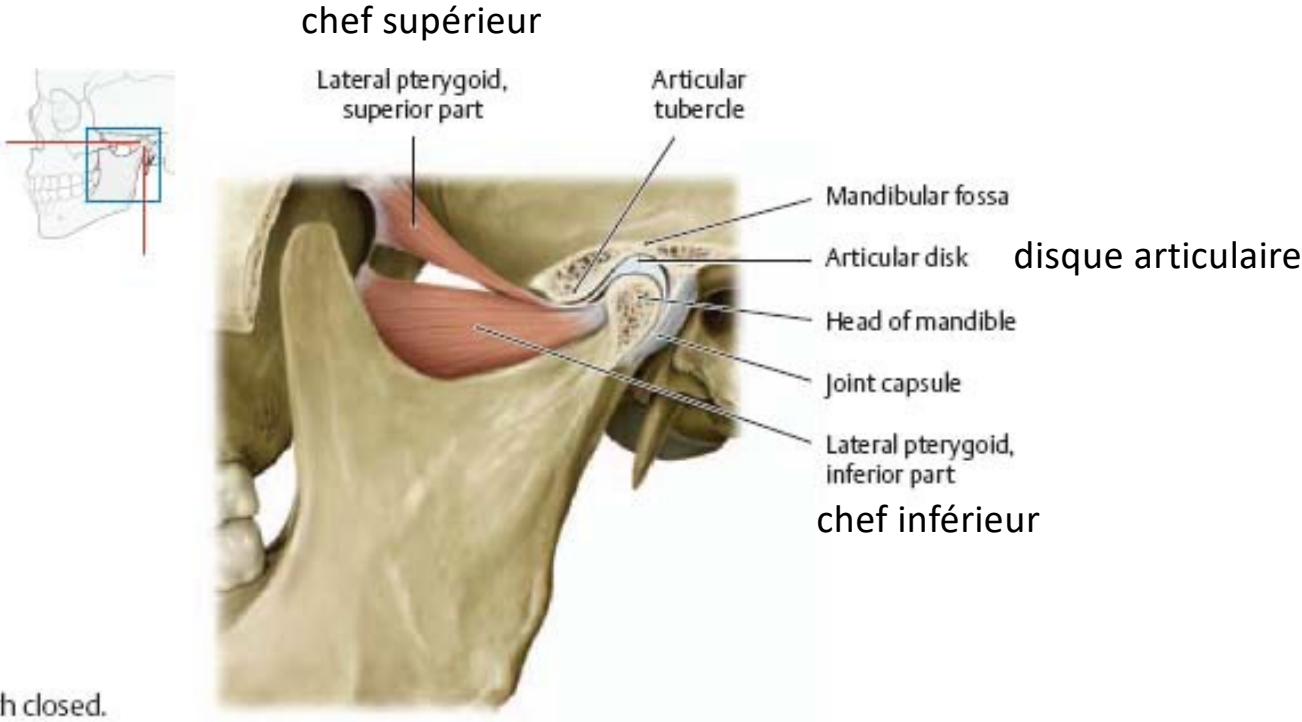
chef profond
chef superficiel

musculus
pterygoideus medialis

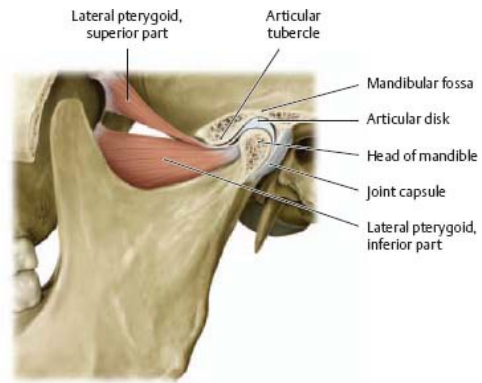
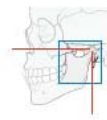
angulus
mandibulae

Vue latérale droite

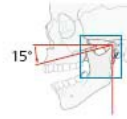
Muscle ptérygoïdien latéral



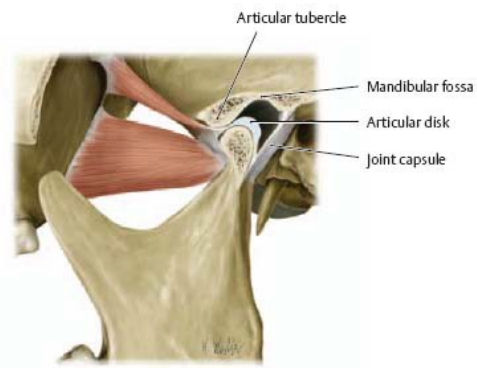
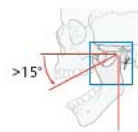
A Mouth closed.



A Mouth closed.



B Mouth opened to 15 degrees.



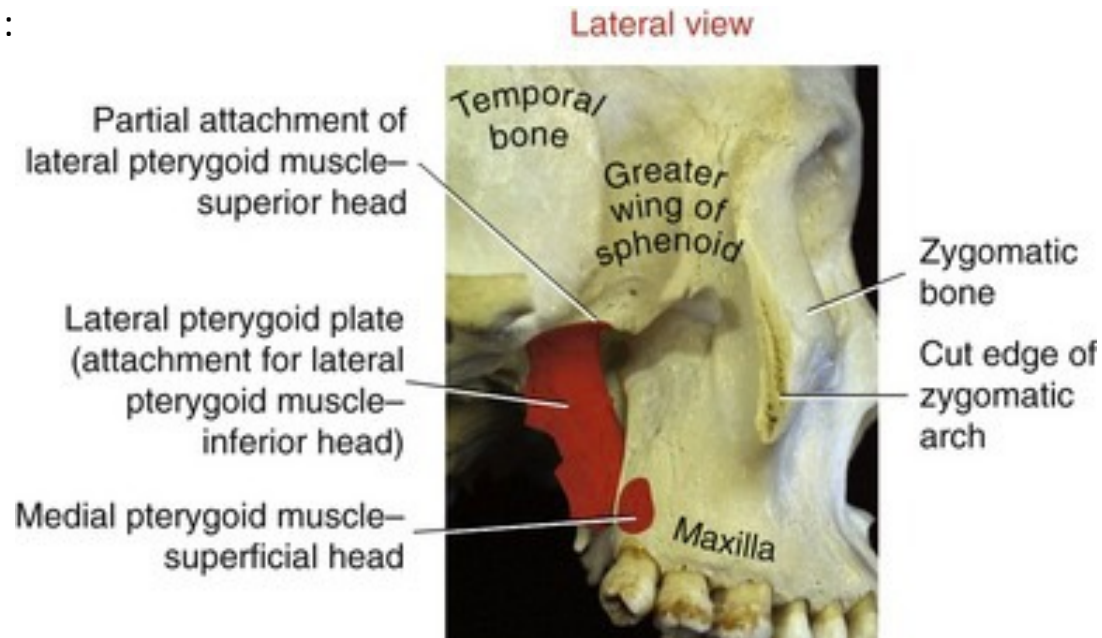
C Mouth opened past 15 degrees.

Insertions des muscles ptérygoïdiens

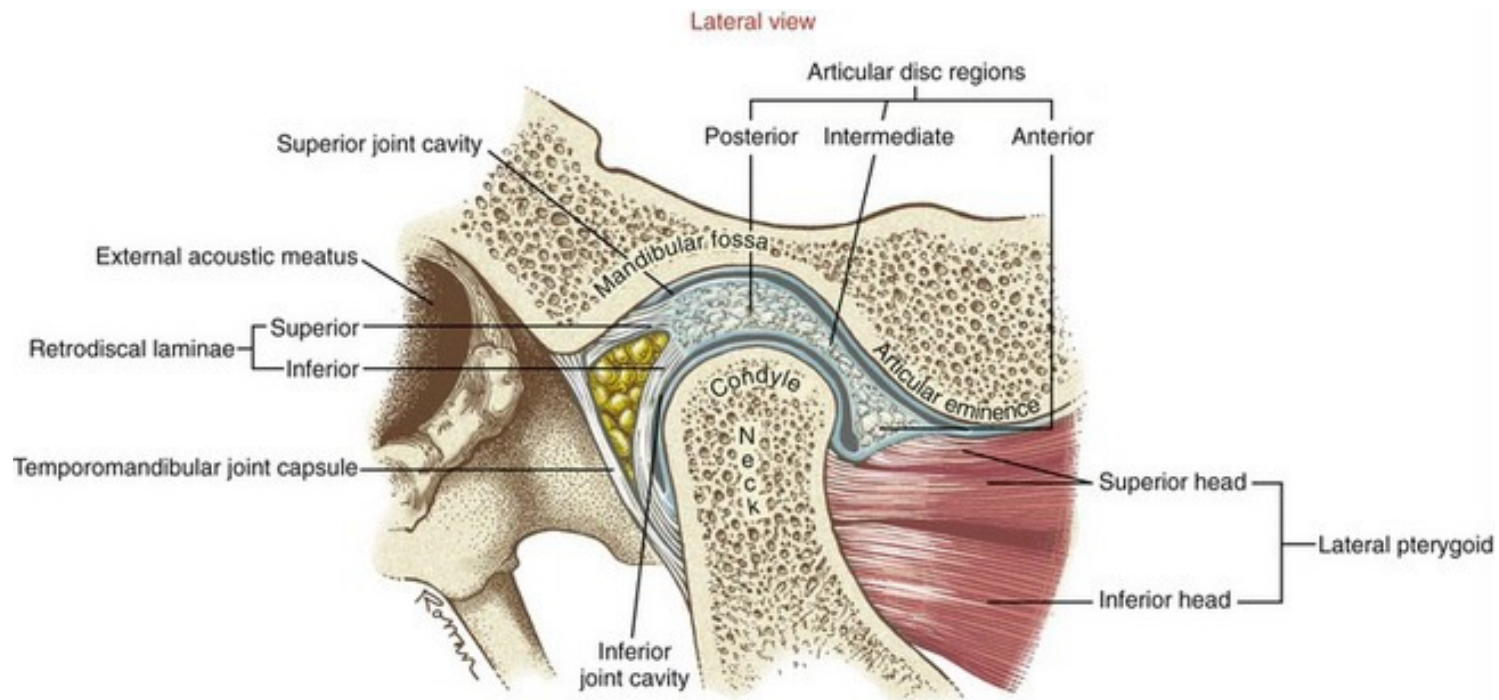
Muscle ptérygoïdien latéral :

chef supérieur

chef inférieur

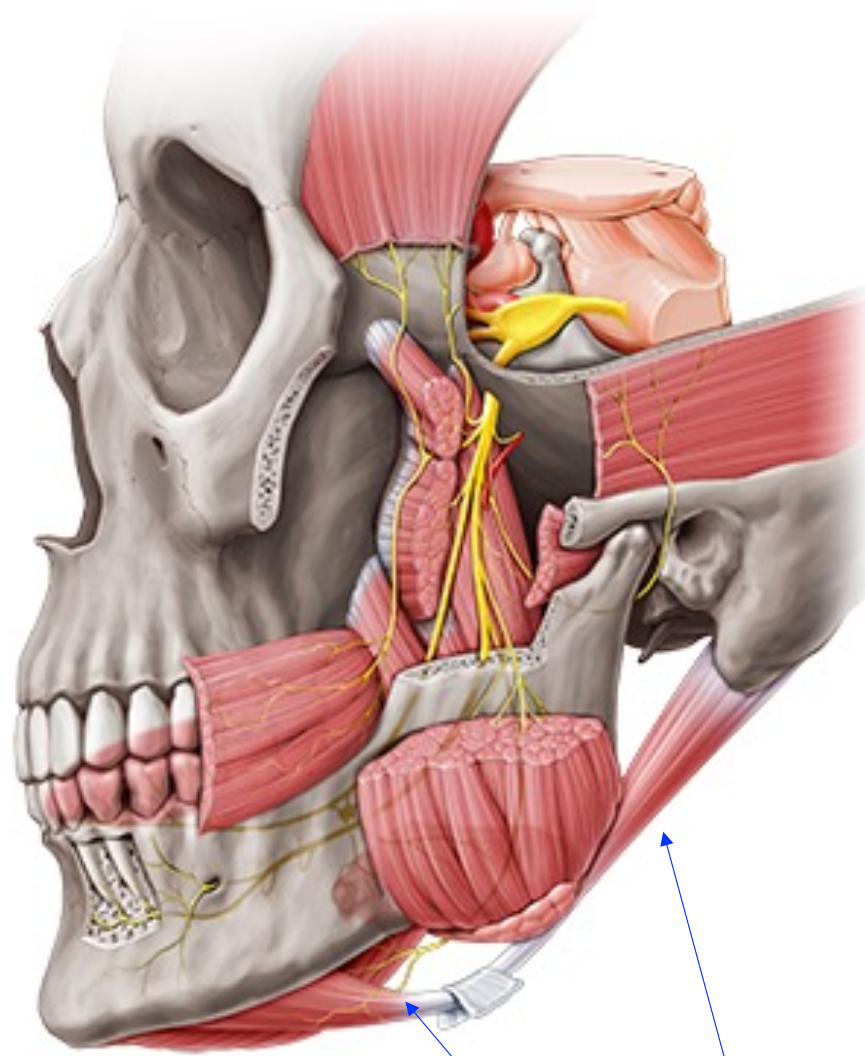


L'articulation temporo-mandibulaire



Le nerf mandibulaire

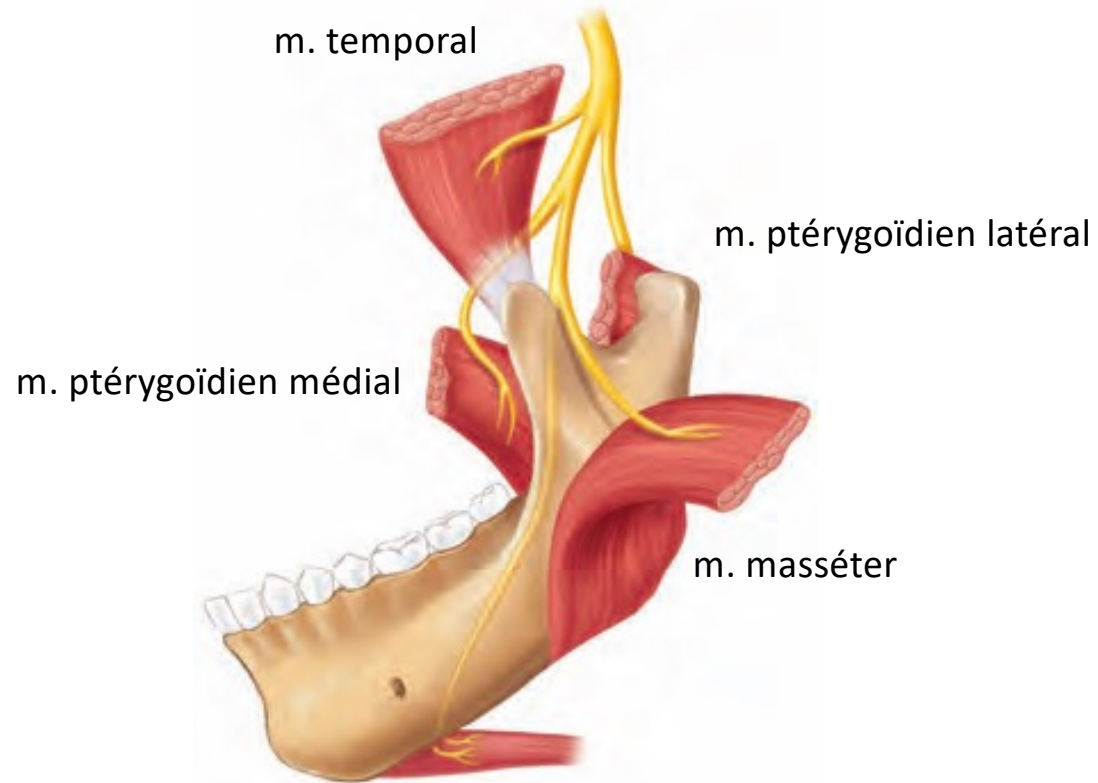
- ◇ naît du ganglion du trijumeau
- ◇ traverse le foramen ovale
- ◇ a une composante motrice
- ◇ innerve les 4 muscles masticateurs



muscle digastrique

Nerf crânien V3 : nerf mandibulaire

Branches motrices :



Vue interne

