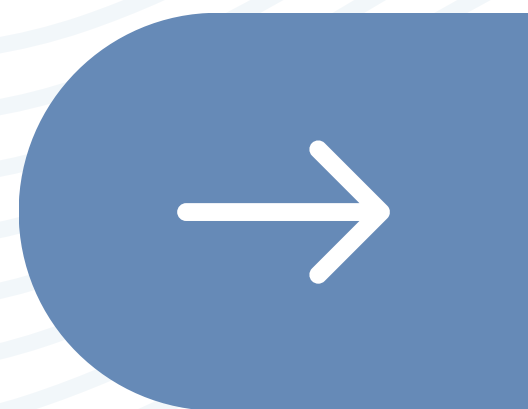


# #DIBS BY NEXTILLO

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**MAXILLARY ARTERY**





# #DIBSBYNEXTILLO

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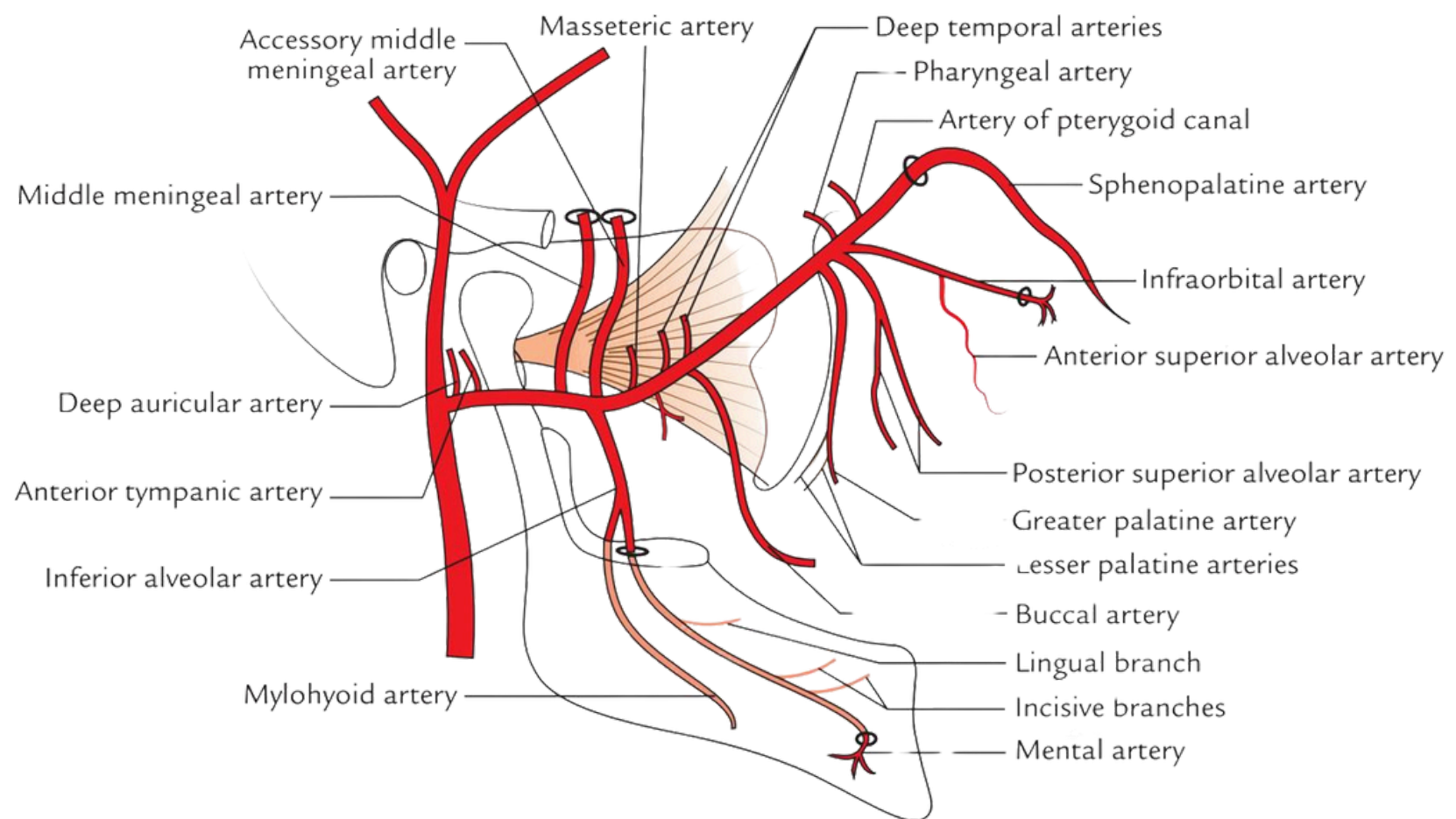
## MAXILLARY ARTERY

*The maxillary artery arises posterior to the mandibular neck, traverses the parotid gland, and passes forward between the sphenomandibular ligament and ramus of the mandible. It then runs a superficial course lateral to the lateral pterygoid muscle.*



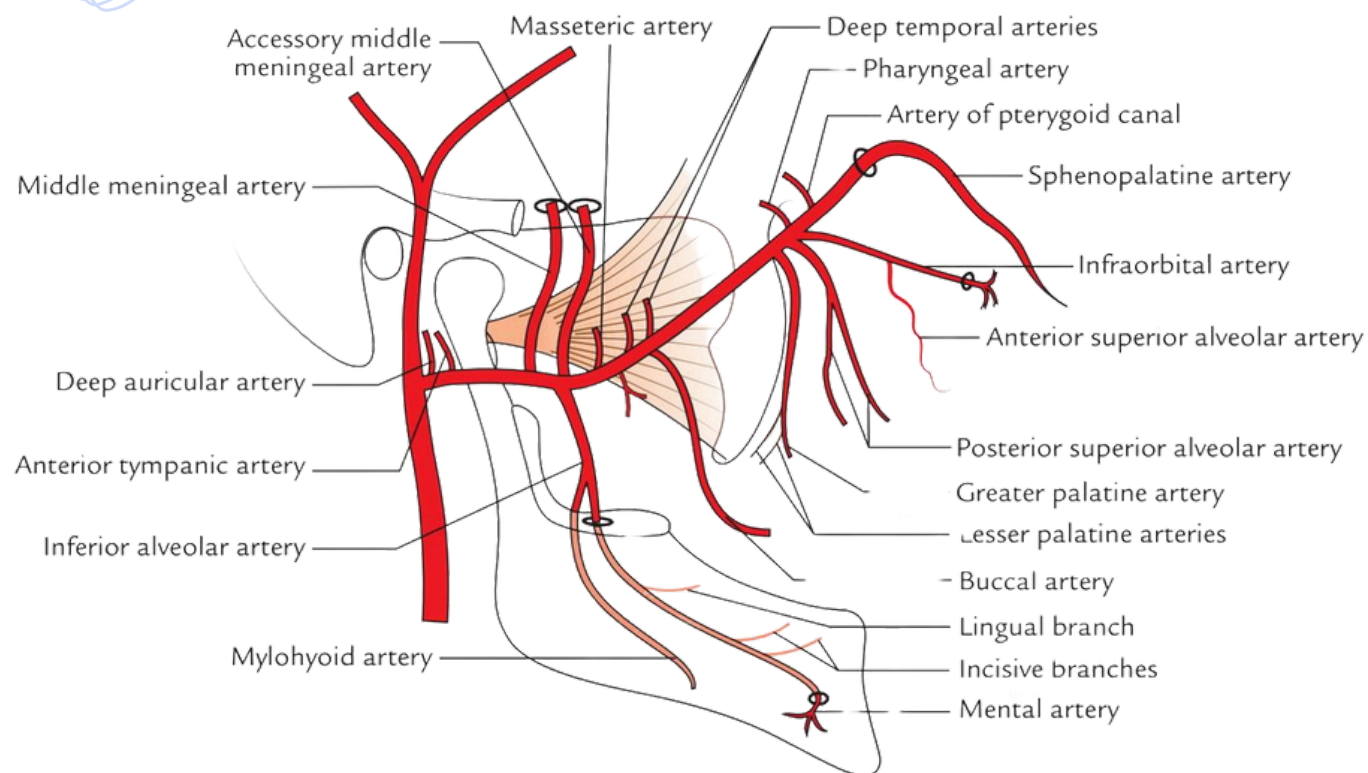


# MAXILLARY ARTERY





# IMAGE DESCRIPTION



- The image displays a diagram of the Maxillary Artery, highlighting its three segments: Mandibular, Pterygoid, and Pterygopalatine.
- Maxillary Artery terminates from the external carotid artery.
- Mandibular, pterygoid, and pterygopalatine divisions define its anatomical segments.
- Supplies maxilla, mandible, facial regions, cerebral dura mater, and nasal cavity.
- Essential in maxillofacial surgeries, dentistry, and cranial interventions.
- Branches reach muscles, nerves, and soft tissues, supporting varied functions.





# MANDIBULAR PART

- **Extension:** Neck of mandible to lower border of lateral pterygoid.
- **Branches Enter Bone:** All branches penetrate bone for various functions.
- **Significant Branches:** Middle meningeal, accessory meningeal, inferior alveolar, deep auricular, anterior tympanic arteries.
- **Clinical Relevance:** Inferior alveolar branch vital for dental anesthesia.
- **Vascular Supply:** Crucial for blood supply to mandible and meninges.





# PTERYGOID PART

- **Location:** *Infratemporal fossa.*
- **Muscular Branches:** *All branches exclusively supply muscles.*
- **Branches Include:** *Artery to lateral pterygoid, medial pterygoid, masseteric artery, 2 deep temporal arteries.*
- **Functional Significance:** *Supports blood flow to chewing muscles.*
- **Clinical Aspect:** *These branches is crucial in maxillofacial surgeries.*





# PTERYGOPALATINE PART

- **Location:** Pterygopalatine fossa.
- **Diverse Branches:** Artery of pterygoid canal, infra-orbital, greater palatini, sphenopalatine, pharyngeal, posterior superior alveolar.
- **Arterial Supply:** supplying various facial structures.
- **Pterygoid Canal Artery:** Supports blood supply to nasal and oral mucosa.
- **Clinical Importance:** Essential for facial and dental blood supply.





# MCQ

## **Question:**

***Which of the following segments of the Maxillary Artery is named for its relation to the lateral pterygoid muscle?***

- A) Mandibular division
- B) Pterygoid division
- C) Pterygopalatine division
- D) Inferior alveolar division

***Answer: B) Pterygoid division***

