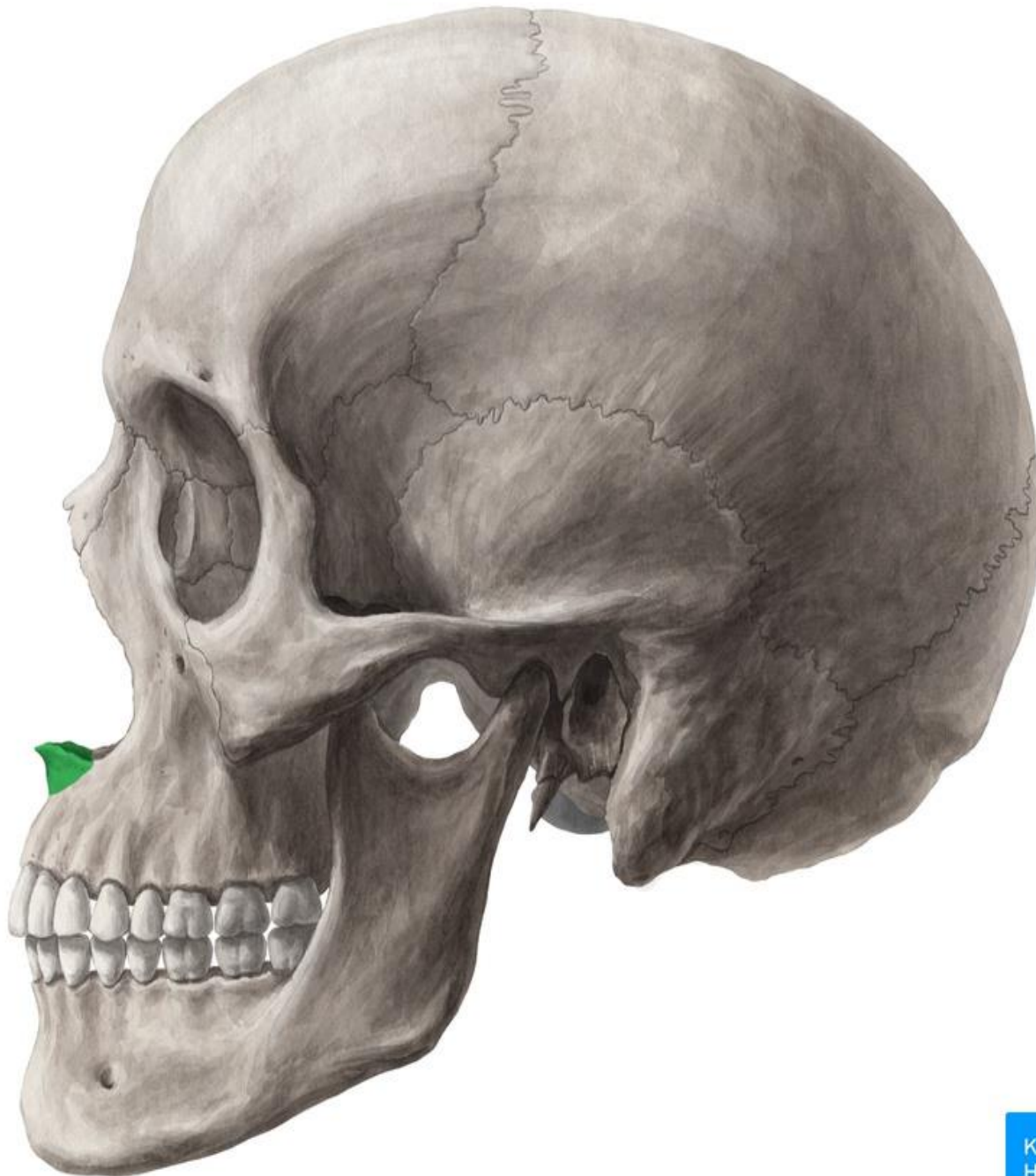


Anatomy images for MSS  
practical exam- 2023



**Identify the followings:**

- Frontal bone
- Nasal bone
- Maxilla
- Zygomatic bone
- Mandible
- Supraorbital foramen
- Infraorbital foramen
- Mental foramen
- Superciliary arches
- Glabella
- Nasion
- Anterior nasal spine
- Vomer
- Ethmoid



**Identify the followings:**

Frontal bone

Nasal bone

Maxilla

Zygomatic bone

Mandible

Parietal bone

Occipital bone

Temporal bone

Sphenoid bone  
(greater wing)

Zygomatofacial foramen

External auditory meatus

Mastoid process

Styloid process

Pterion

1- Frontal

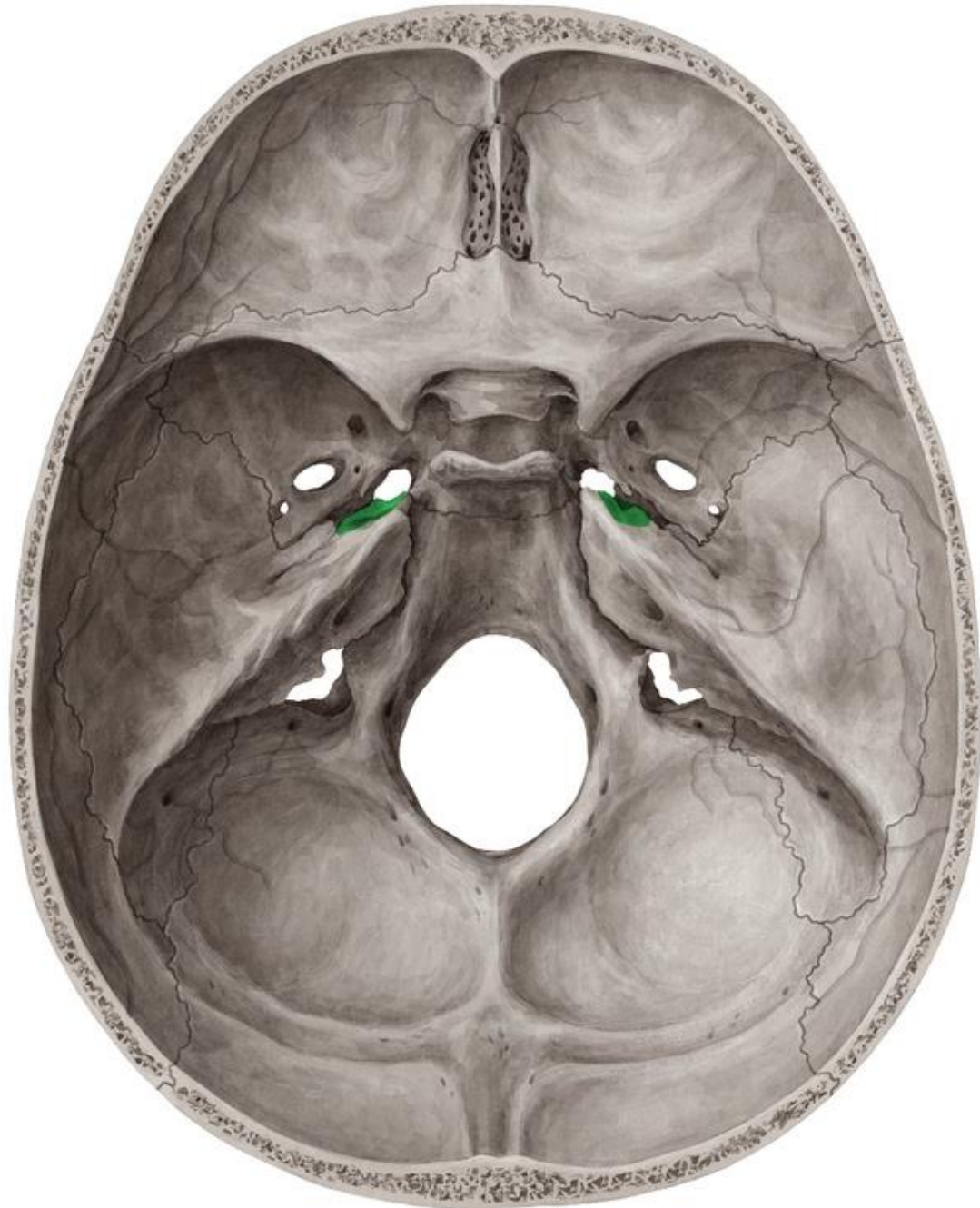
2- Parietal

3-Squamous part of temporal  
bone

4-Greater wing of sphenoid

**Identify the followings:**

- Cribriform plate of the ethmoid
- Frontal crest
- Crista galli
- Lesser wing of sphenoid
- Anterior clinoid process
- Body of sphenoid
- Foramen magnum
- Greater wing of the sphenoid
- Petrous part of the temporal bone
- Posterior clinoid process
- Optic canal
- Foramen rotundum
- Foramen ovale
- Foramen spinosum
- Foramen lacerum
- Carotid canal
- Jugular foramen
- Hypoglossal canal
- Internal acoustic meatus
- Internal occipital crest
- Internal occipital protuberance



## Foramina for cranial nerves

**Olfactory nerves:** Cribriform plate of the ethmoid

**Optic nerve:** Optic canal

**Oculomotor nerve**

**Trochlear nerve**

**Abducent nerve**

} Superior orbital fissure

**Trigeminal nerve**

**Ophthalmic nerve (branches):** Superior orbital fissure

**Maxillary nerve:** Foramen rotundum

**Mandibular nerve:** Foramen ovale

**Facial nerve:** Internal acoustic meatus, stylomastoid foramen

**Vestibulocochlear nerve:** Internal acoustic meatus

**Glossopharyngeal nerve**

**Vagus nerve**

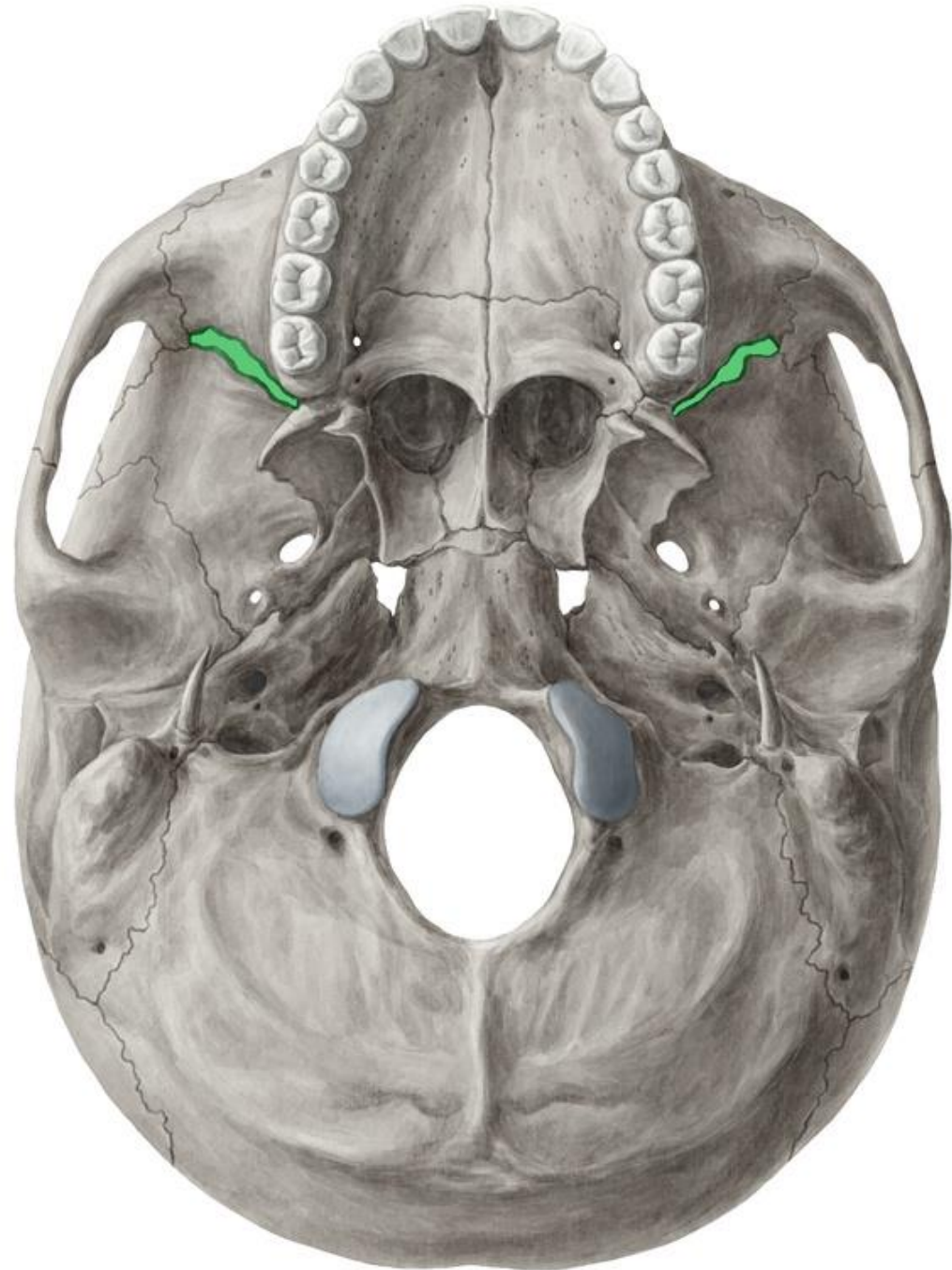
**Accessory nerve**

} Jugular foramen

**Hypoglossal canal:** Hypoglossal nerve

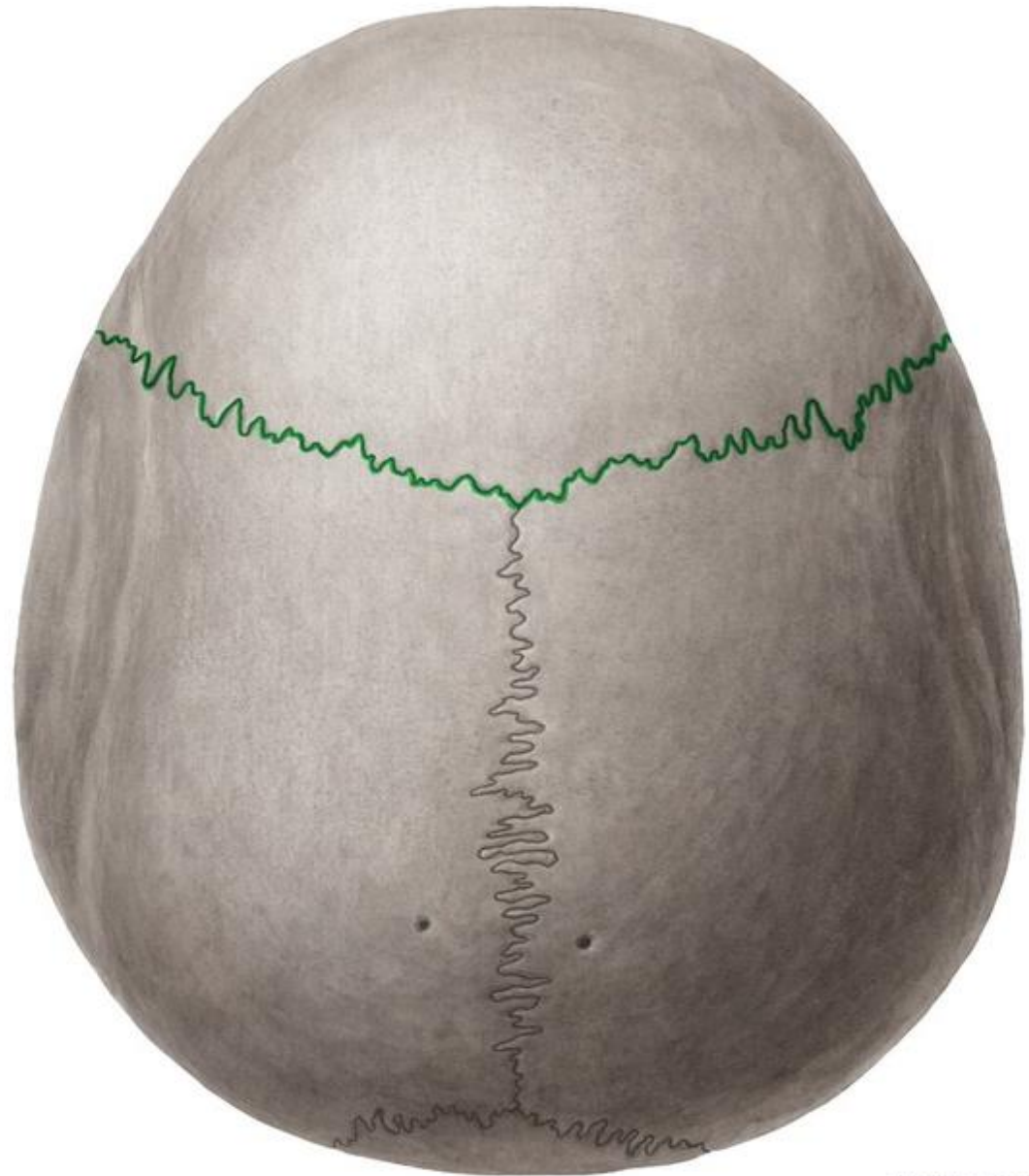
**Identify the followings:**

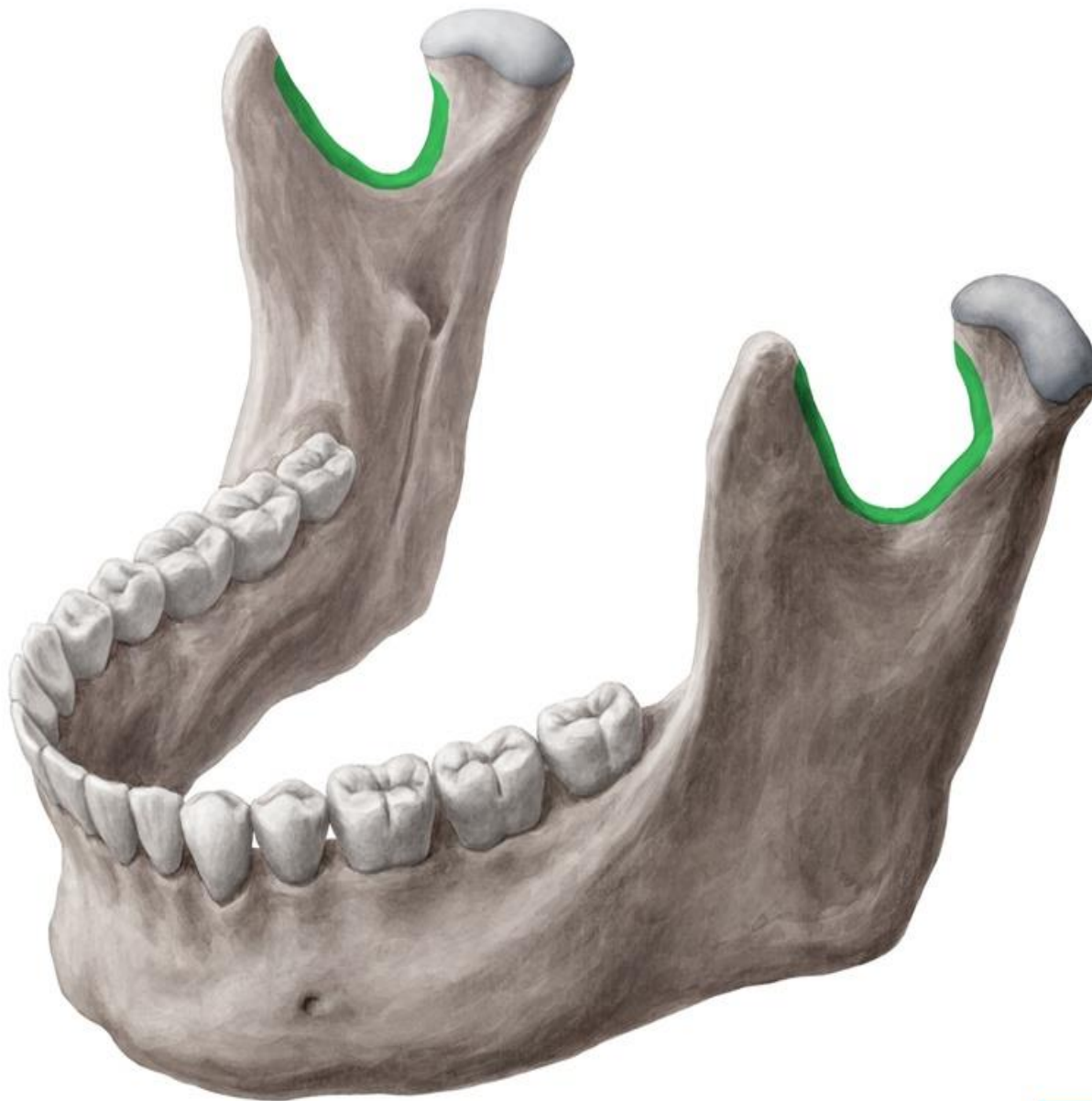
- Foramen magnum
- External occipital crest
- External occipital protuberance
- Inferior nuchal line
- Superior nuchal line
- Foramen ovale
- Foramen spinosum
- Foramen lacerum
- Opening for carotid canal
- Jugular foramen
- Hypoglossal canal
- Mastoid process
- Styloid process
- Stylomastoid foramen
- Occipital condyles



**Identify the followings:**

- Coronal suture
- Sagittal suture
- Lambdoid suture
- Bregma
- Lambda





**Identify the followings:**

Body

Ramus

Angle

Condylar process (head and neck)

Coronoid process

Mandibular notch

Mandibular foramen

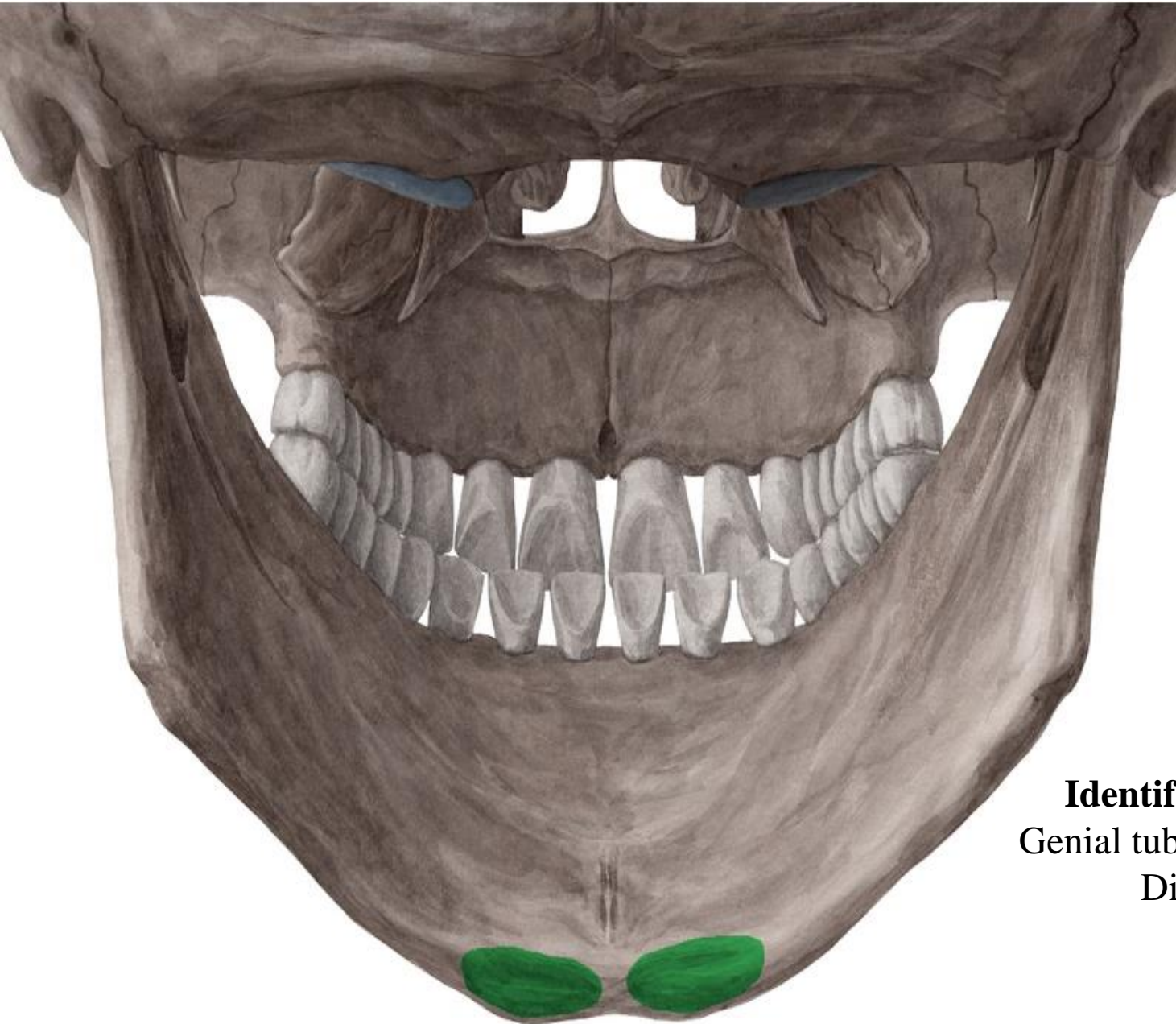
Mental foramen

Mental protuberance

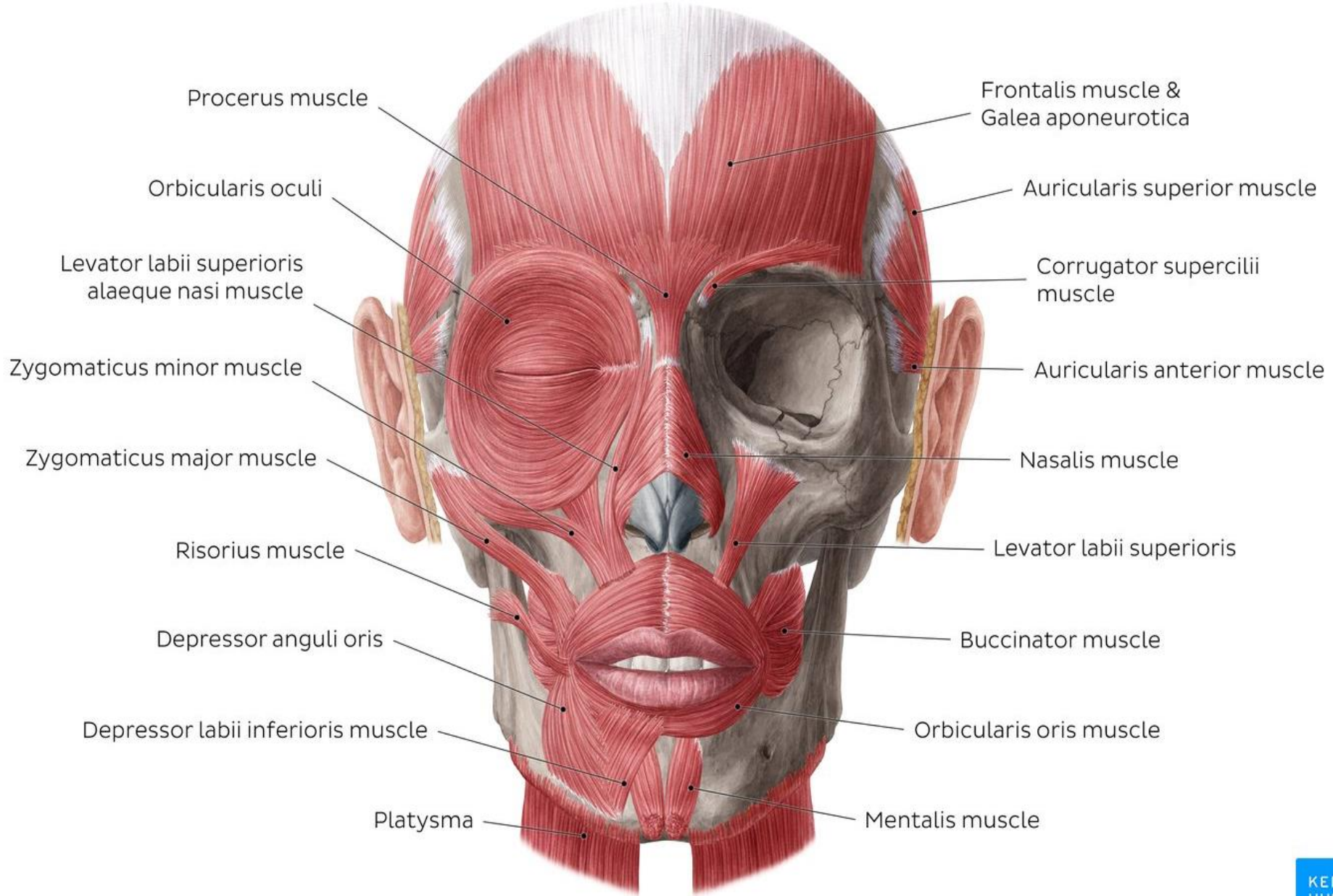
Mylohyoid groove

Mylohyoid line





**Identify the followings:**  
Genial tubercle (Mental spine)  
Digastric fossa



**Identify the following muscles (action and nerve supply):**  
 Orbicularis oculi, orbicularis oris, buccinator, and frontalis

**Identify the followings:**

Parotid gland

Parotid duct

Buccinator

Submandibular gland

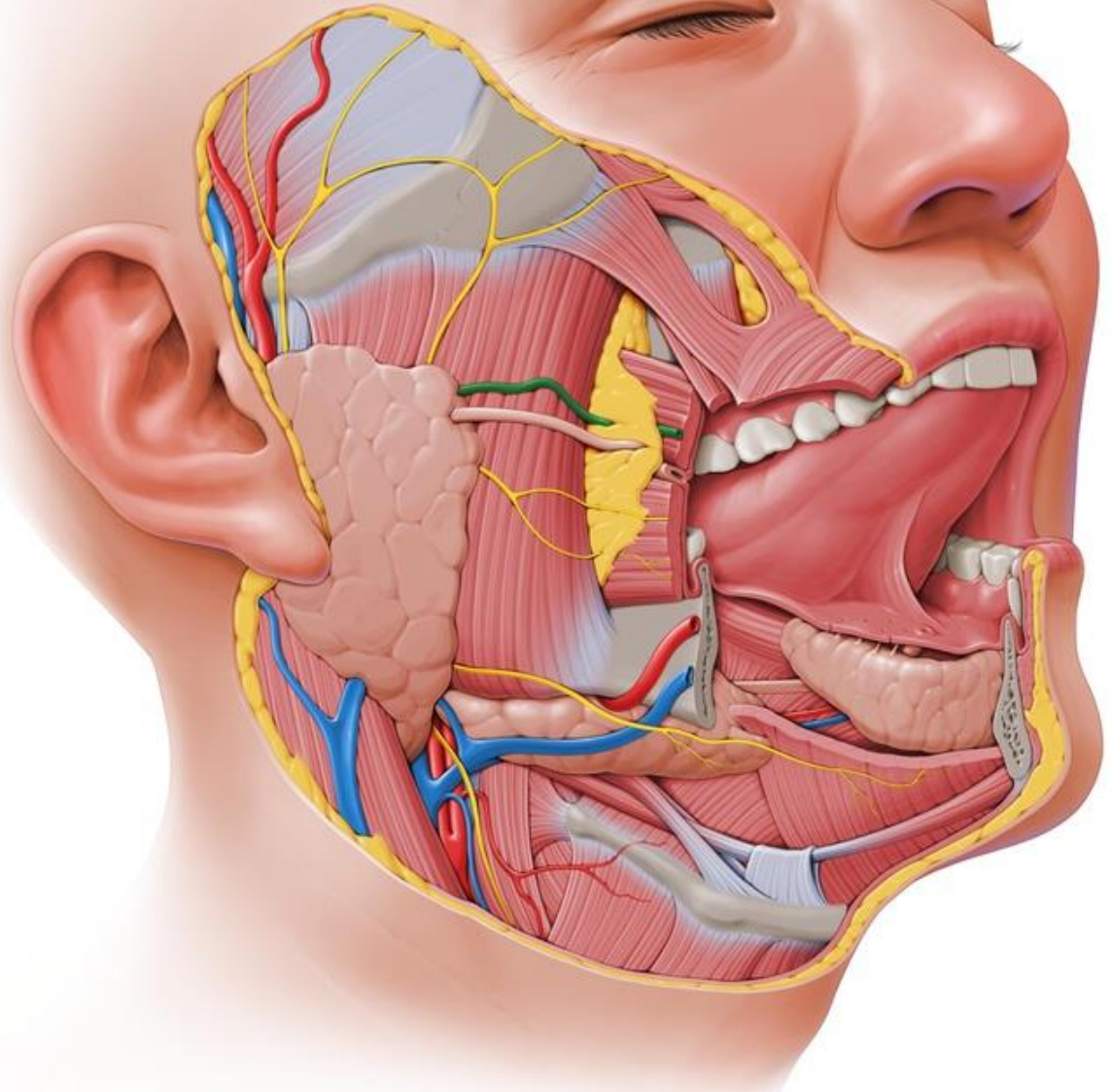
Facial artery

Facial vein

External jugular vein

Superficial temporal  
artery

Branches of facial nerve



Temporalis

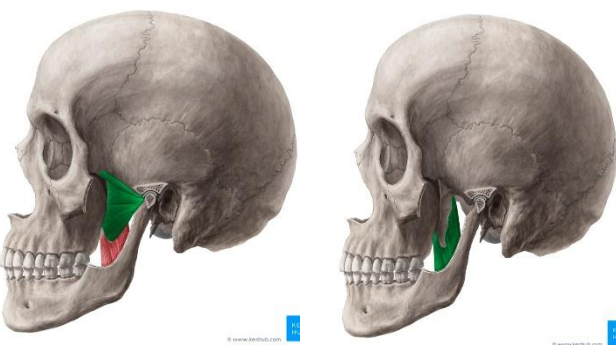
Lateral pterygoid muscle

Medial pterygoid muscle

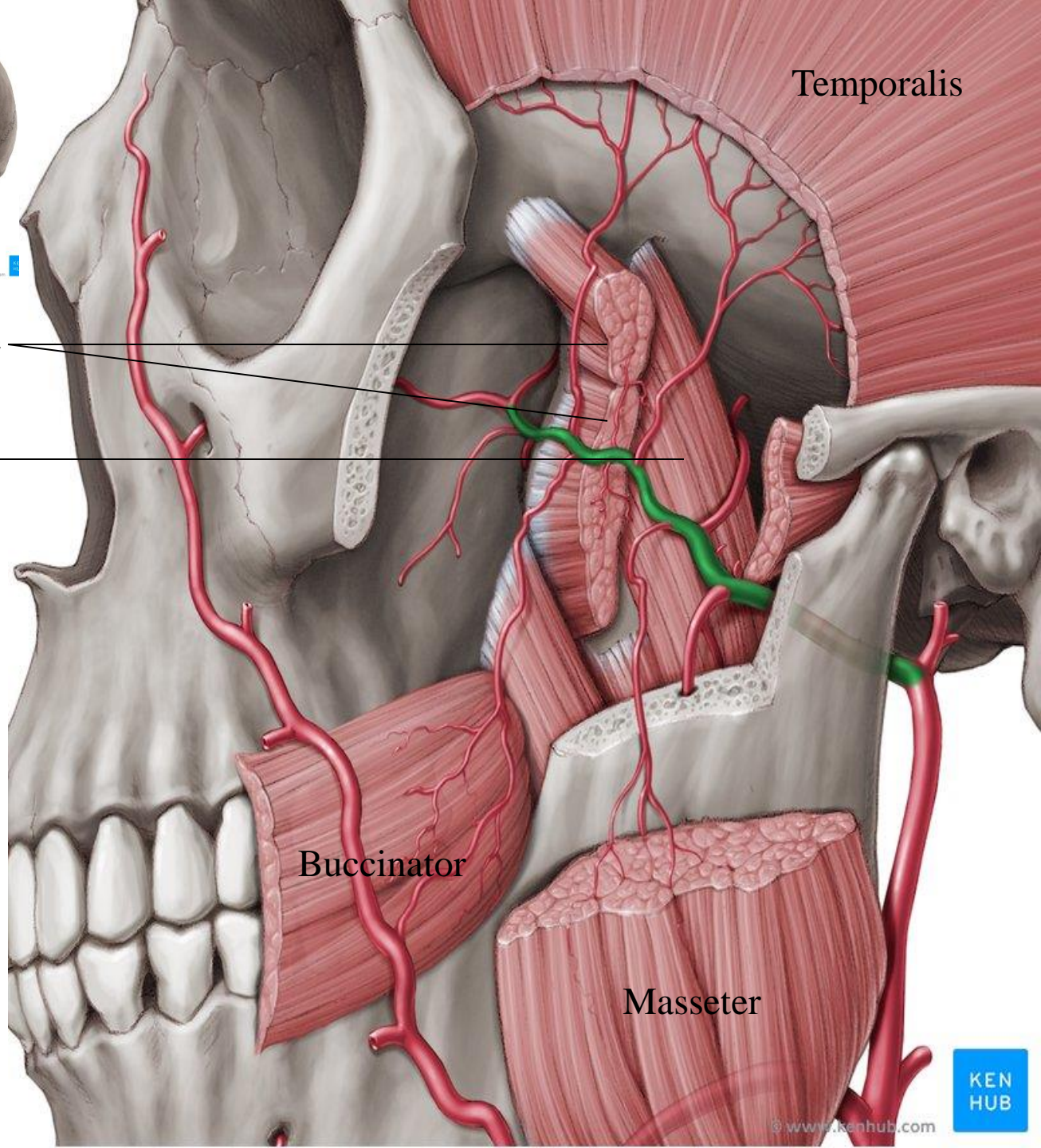
**Identify the muscles of mastication (origin, insertion, action and nerve supply)**

Buccinator

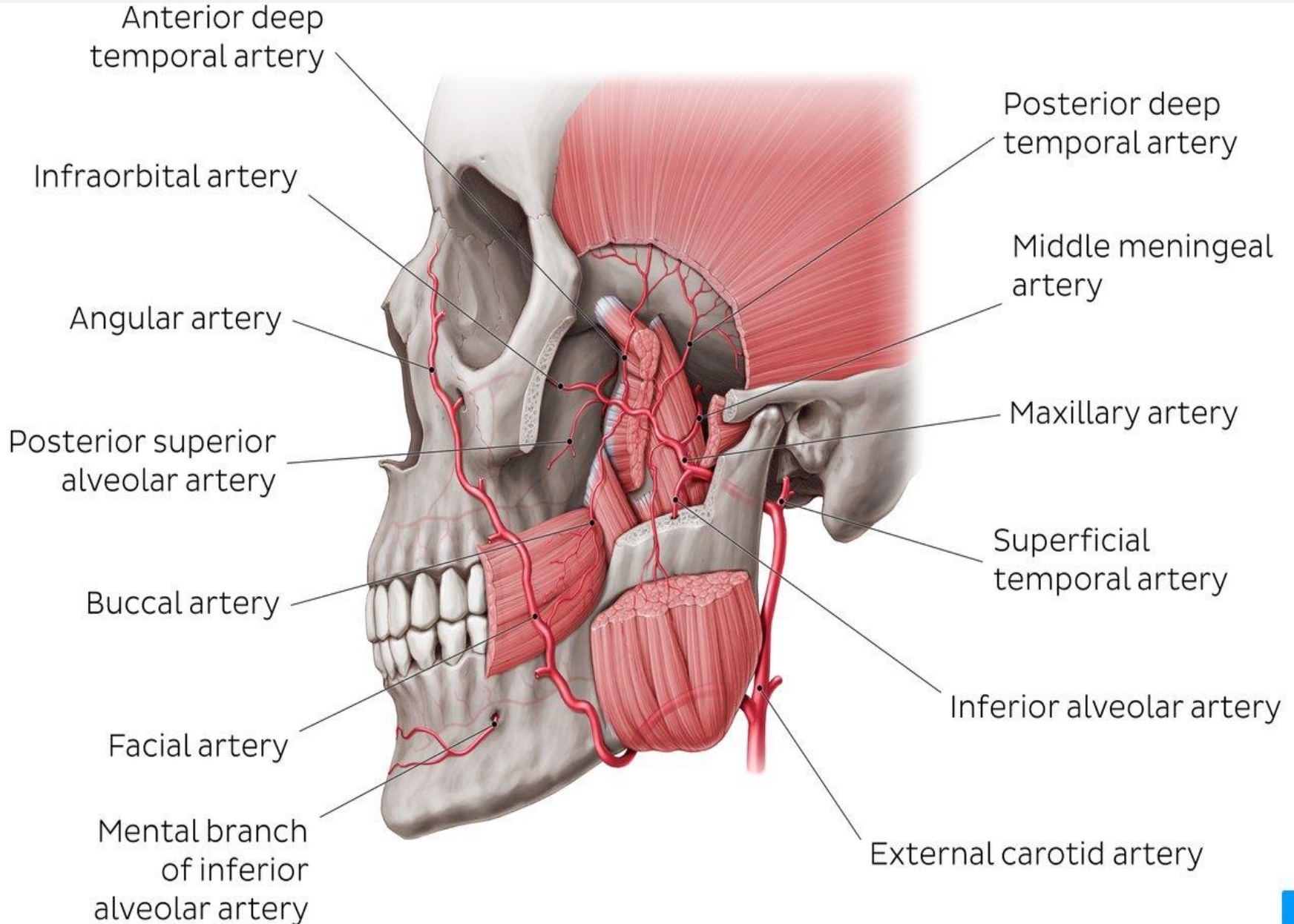
Masseter



Dr. Heba Kalbouneh

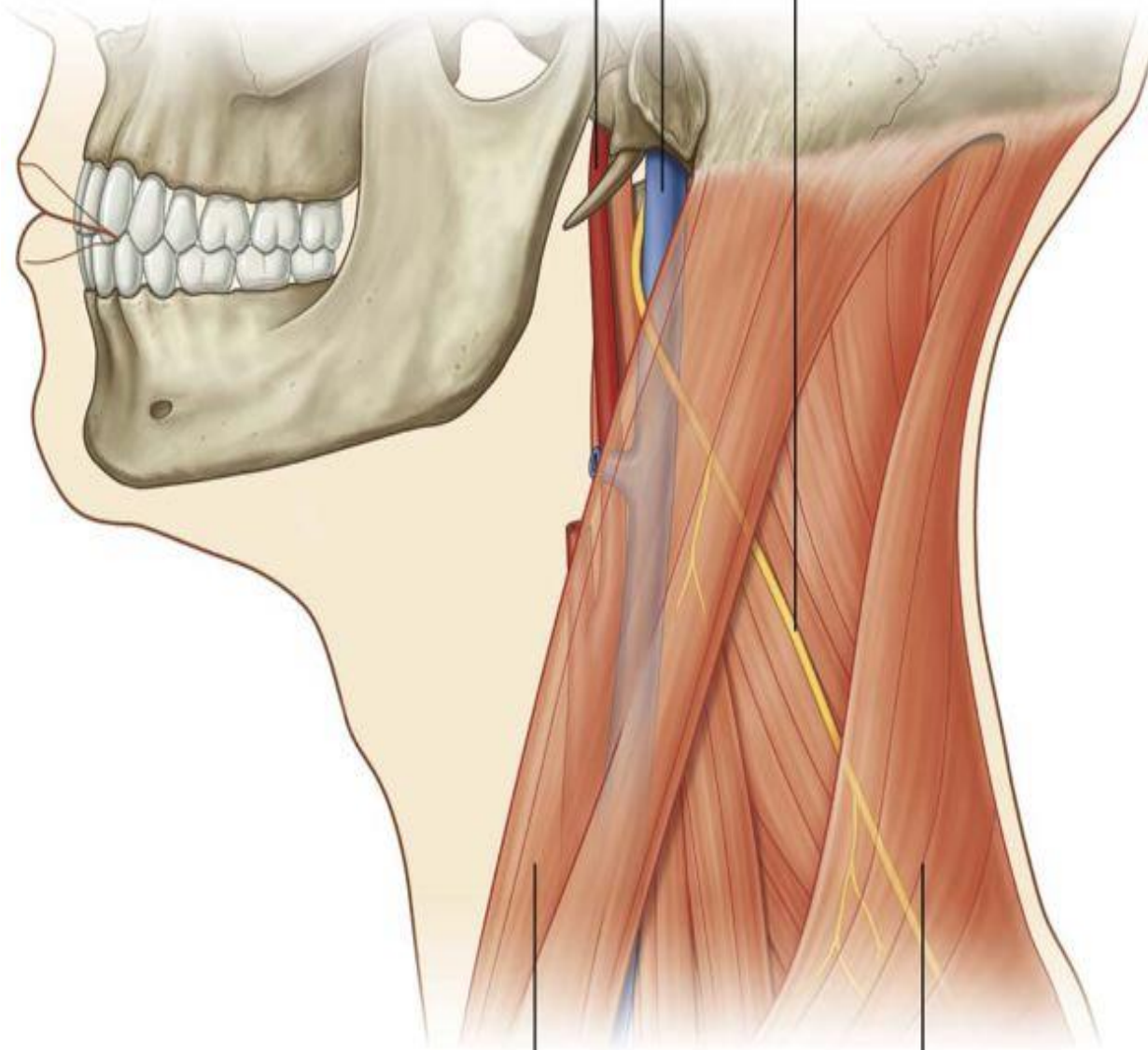


**Identify the followings:** External carotid artery, Facial artery, Maxillary artery, Middle meningeal artery, Superficial temporal artery



Internal carotid artery    Internal jugular vein

Accessory nerve [XI]



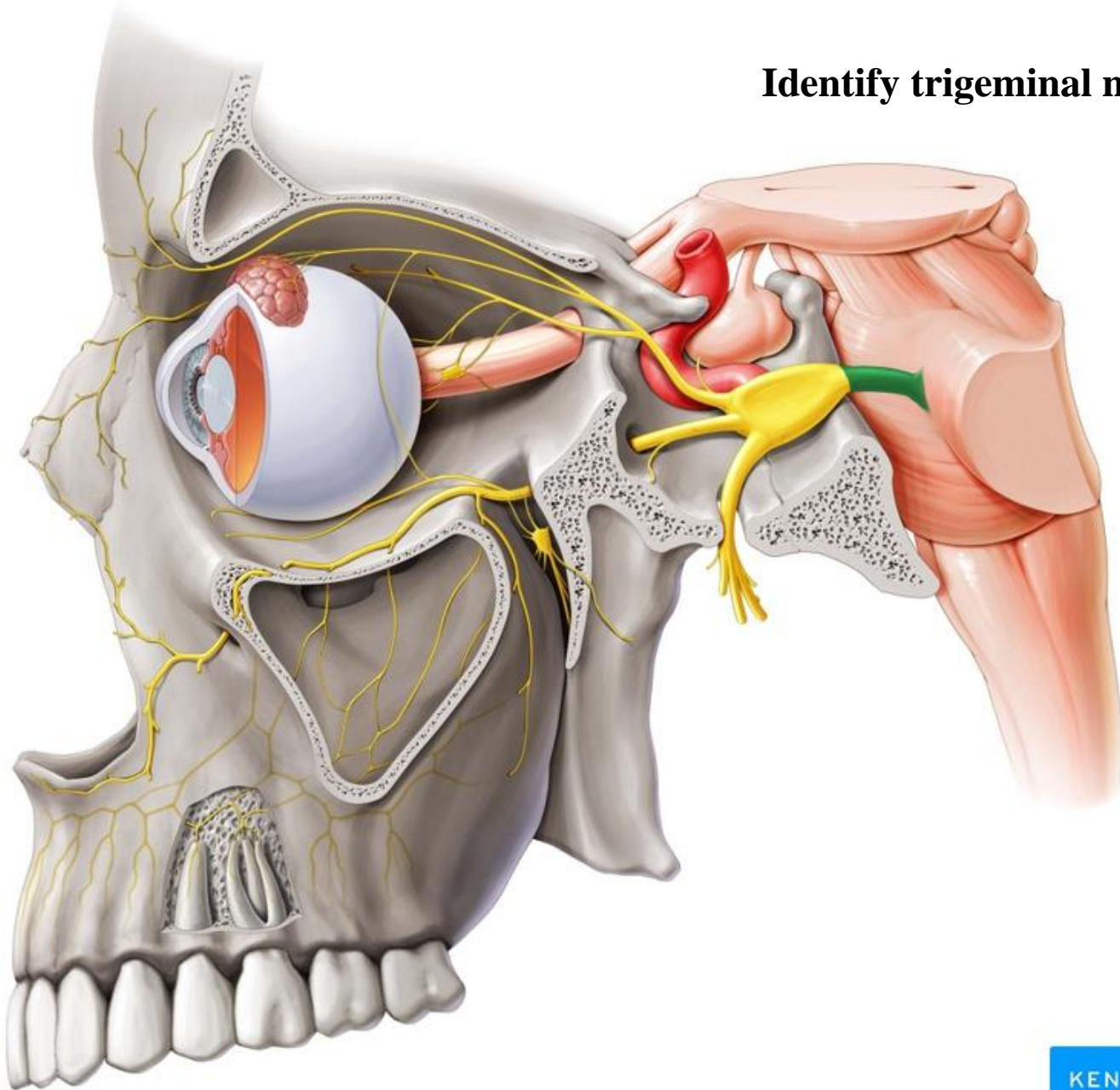
Sternocleidomastoid muscle

Trapezius muscle

**Identify the followings:**

- Common carotid artery
- External carotid artery
- Internal carotid artery
- Internal jugular vein
- Accessory nerve (spinal)

**Identify trigeminal nerve and its branches**



# Orbital walls

## Orbital walls

Roof:

Orbital plate of frontal bone (1)

Lesser wing of sphenoid (2)

Floor:

Orbital plate of maxilla (3)

Lateral wall:

Orbital plate of zygomatic bone (4)

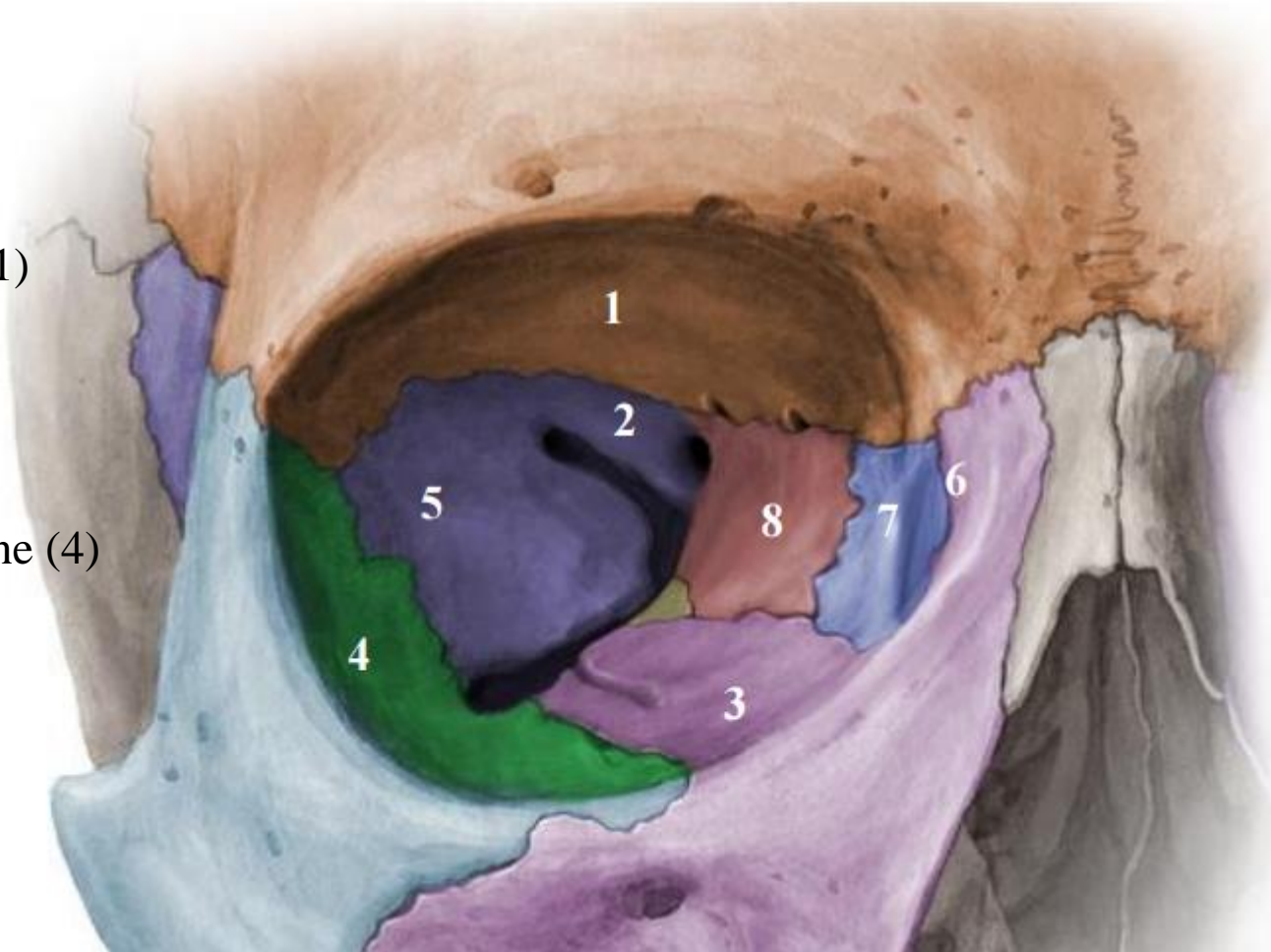
Greater wing of sphenoid (5)

Medial wall:

Frontal process of maxilla (6)

Lacrimal bone (7)

Orbital plate of ethmoid (8)





## Foramina and fissures of the orbit

### Foramina and fissures of the orbit (and structures passing through)

Superior orbital fissure  
(9)

Inferior orbital fissure  
(10)

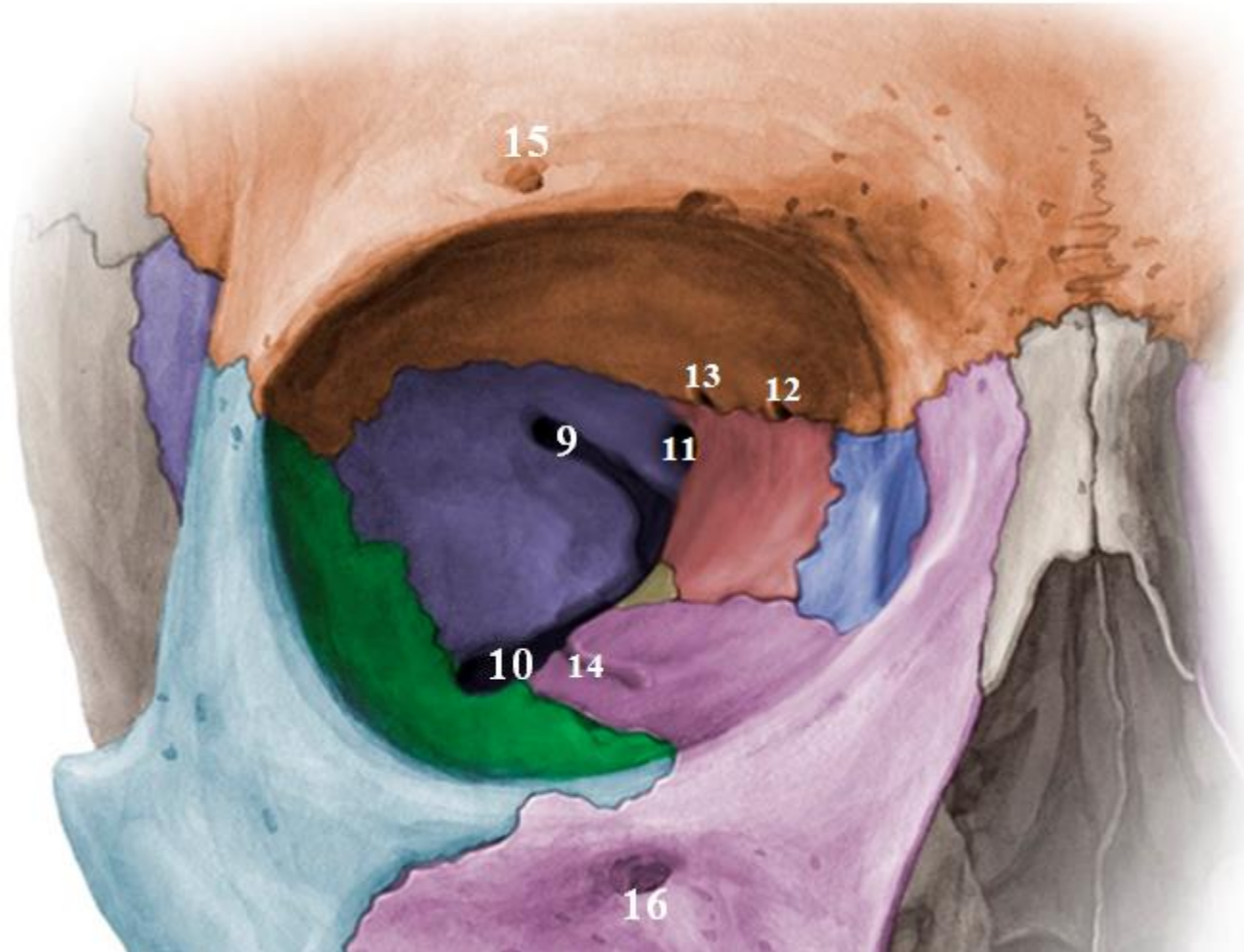
Optic canal (11)

Anterior and posterior  
ethmoidal  
foramina (12, 13)

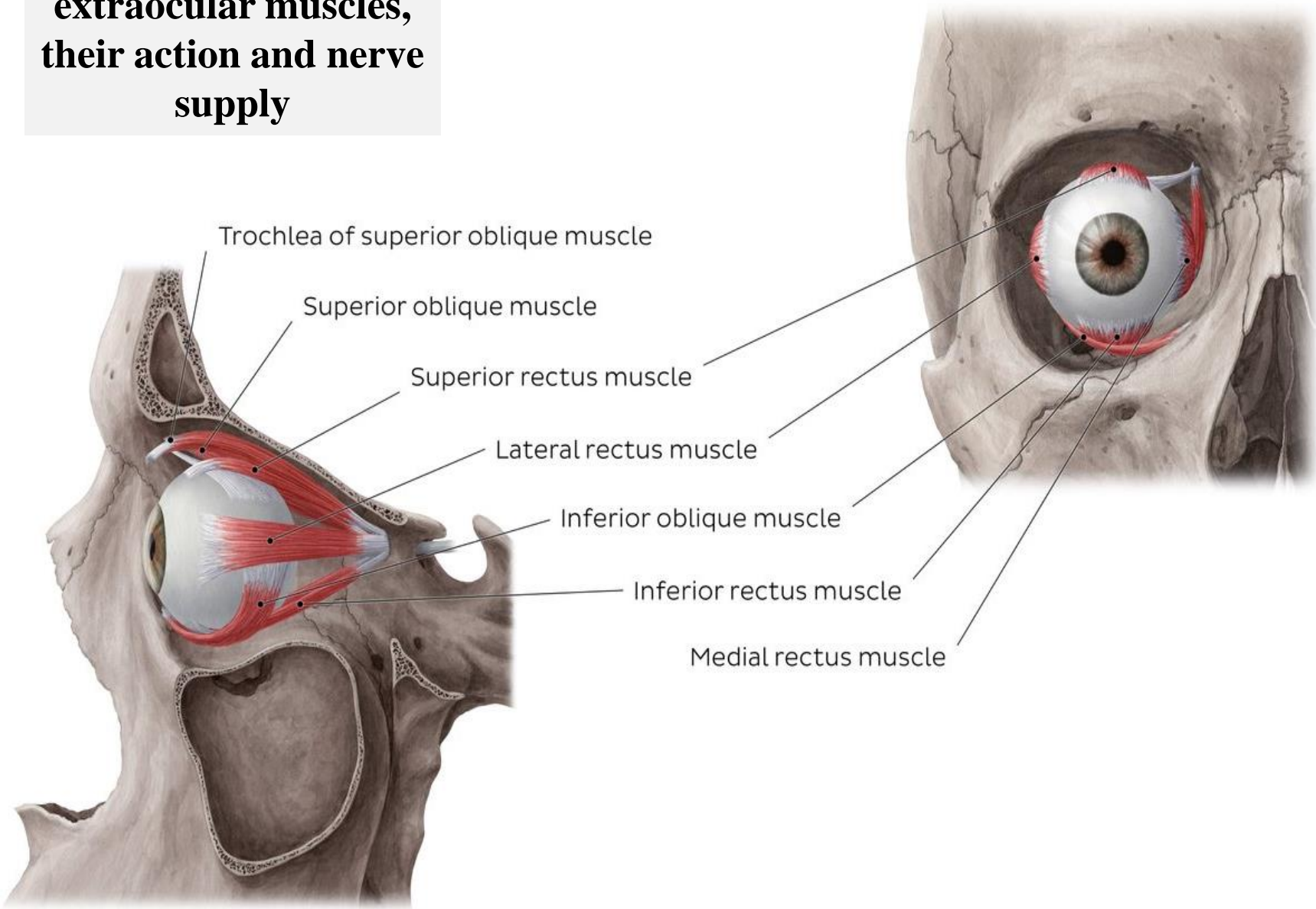
Infraorbital groove and  
canal (14)

Supraorbital foramen (15)

Infraorbital foramen (16)



**Identify the  
extraocular muscles,  
their action and nerve  
supply**



**Identify the followings:**

Inner, middle and inner ear

Pinna (auricle)

External acoustic meatus

Tympanic membrane

Umbo

Malleus

Incus

Stapes

Eustachian tube

Tegmen tympani

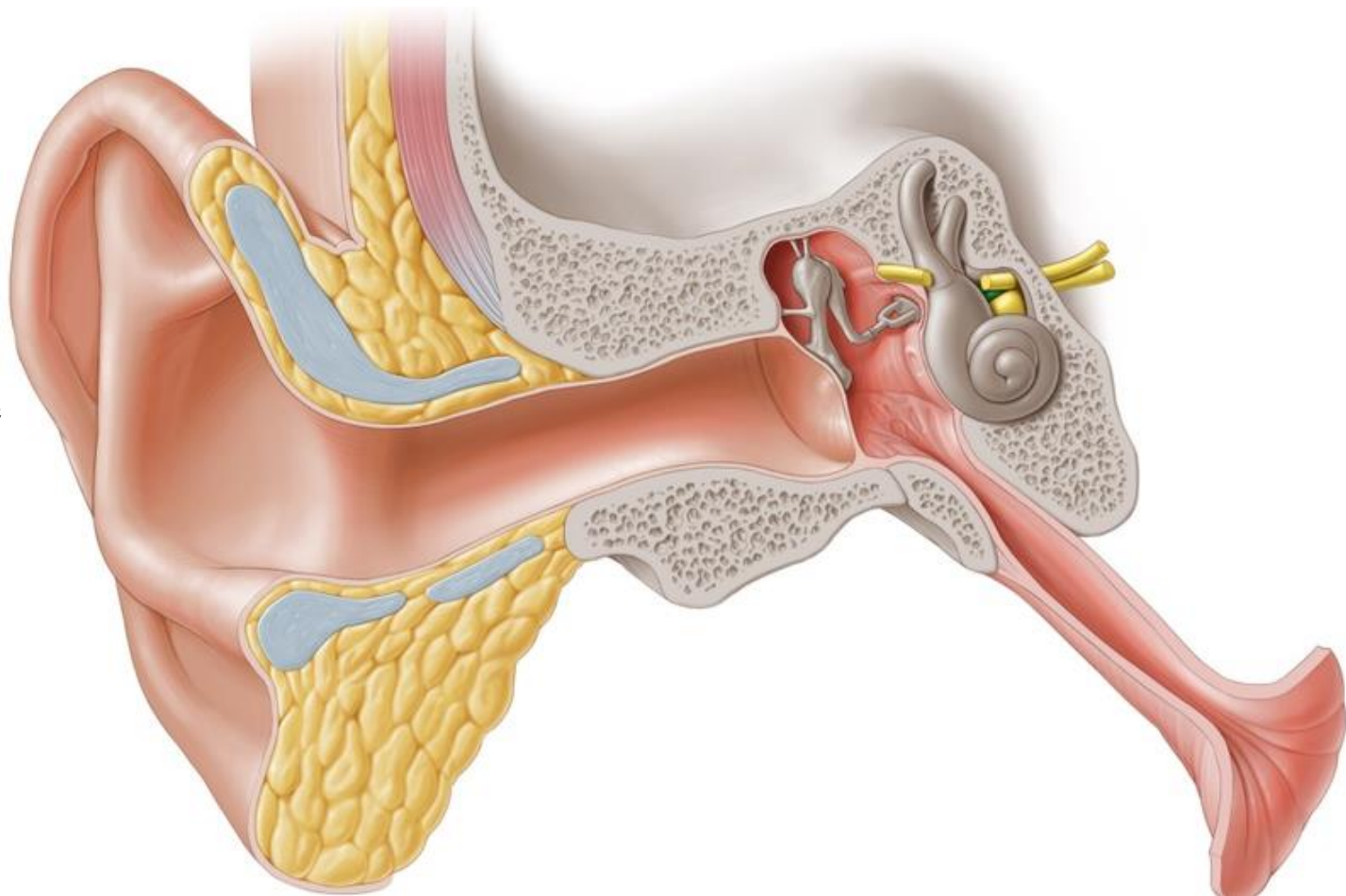
Semicircular canals

Vestibule

Cochlea

Facial nerve

Vestibulocochlear nerve

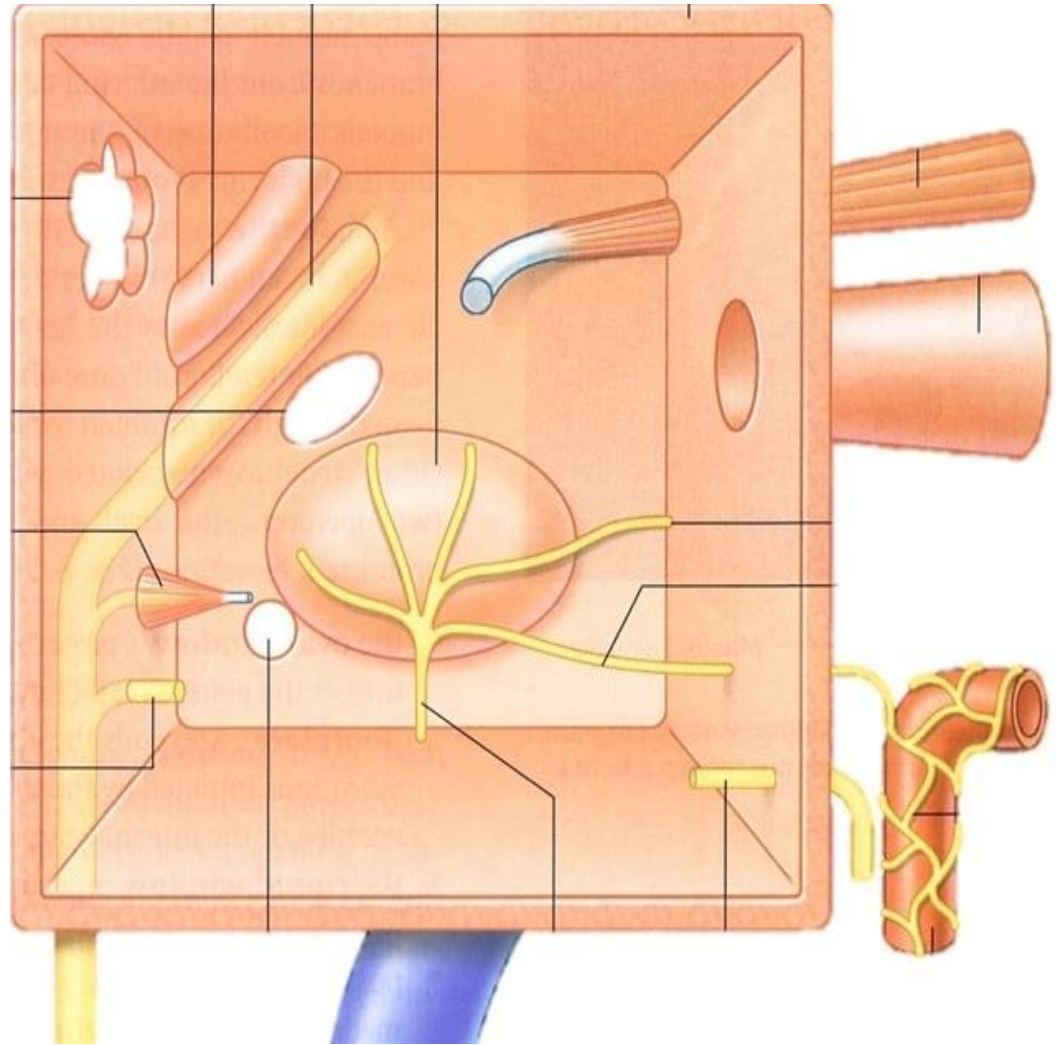


**Middle ear**

**Identify the followings :**

- Anterior wall
- Medial wall
- Posterior wall
- Roof
- Floor

- Canal for tensor tympani
- Eustachian tube
- Internal carotid artery
- Sympathetic carotid plexus
- Internal jugular vein
- Oval window
- Round window
- Promontory
- Tympanic plexus
- Facial canal
- Aditus to mastoid
- Pyramid and stapedius muscle
- Chorda tympani



**Identify the followings:**

**Outer fibrous coat**

Cornea

Sclera

**Middle vascular coat**

Choroid

Ciliary body

Iris

**Inner nervous coat**

Retina

Corneoscleral junction (limbus)

Pupil

Lens

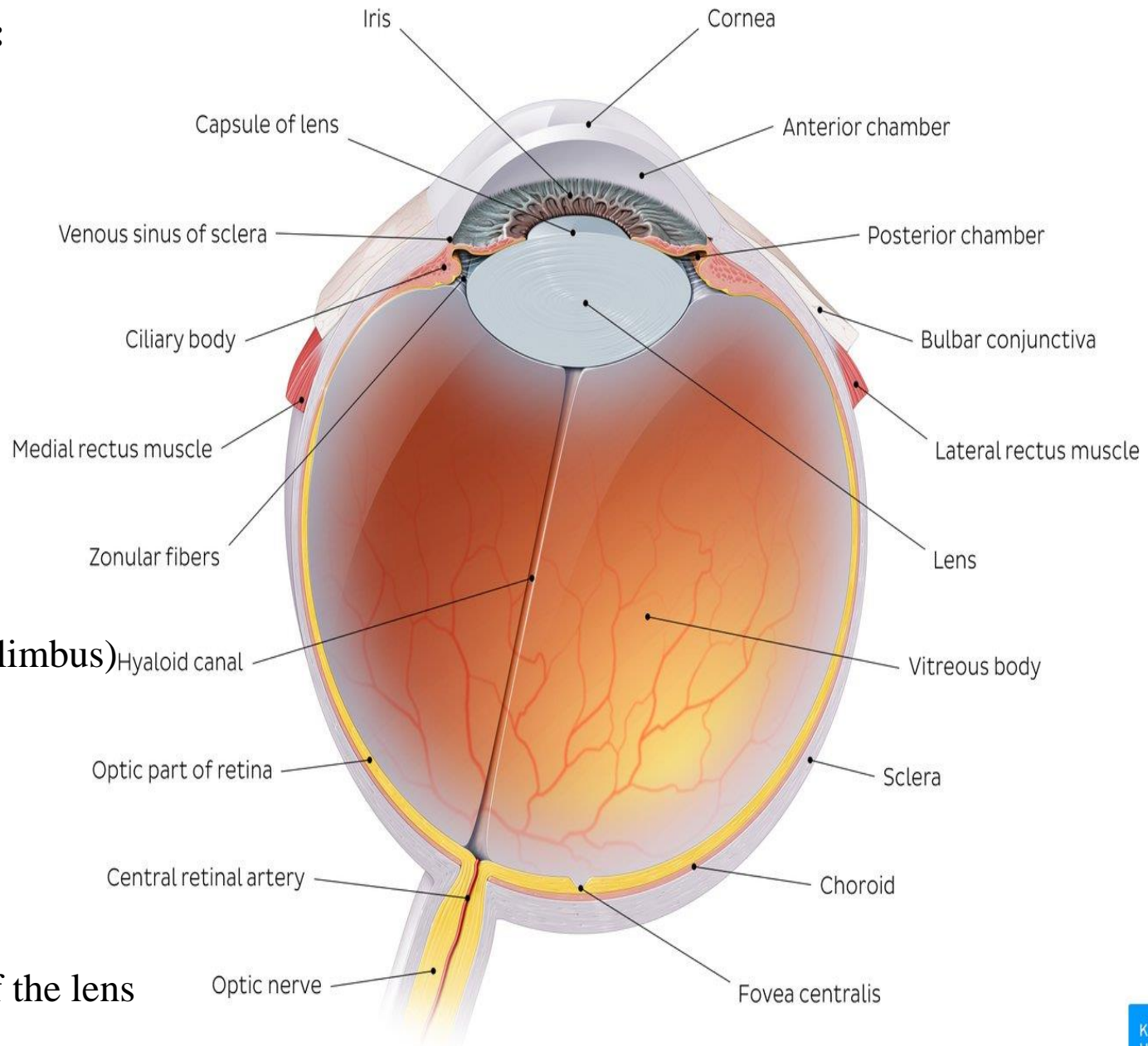
Anterior chamber

Posterior chamber

Aqueous humor

Vitreous body

Suspensory ligaments of the lens



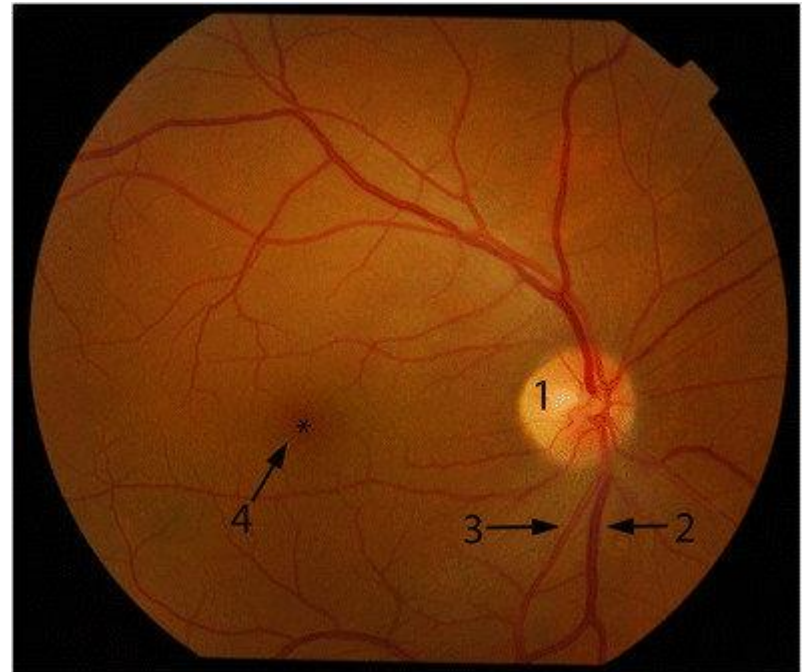
**Identify the followings:**

Optic disc

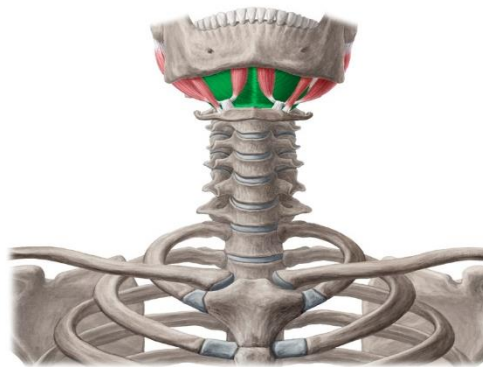
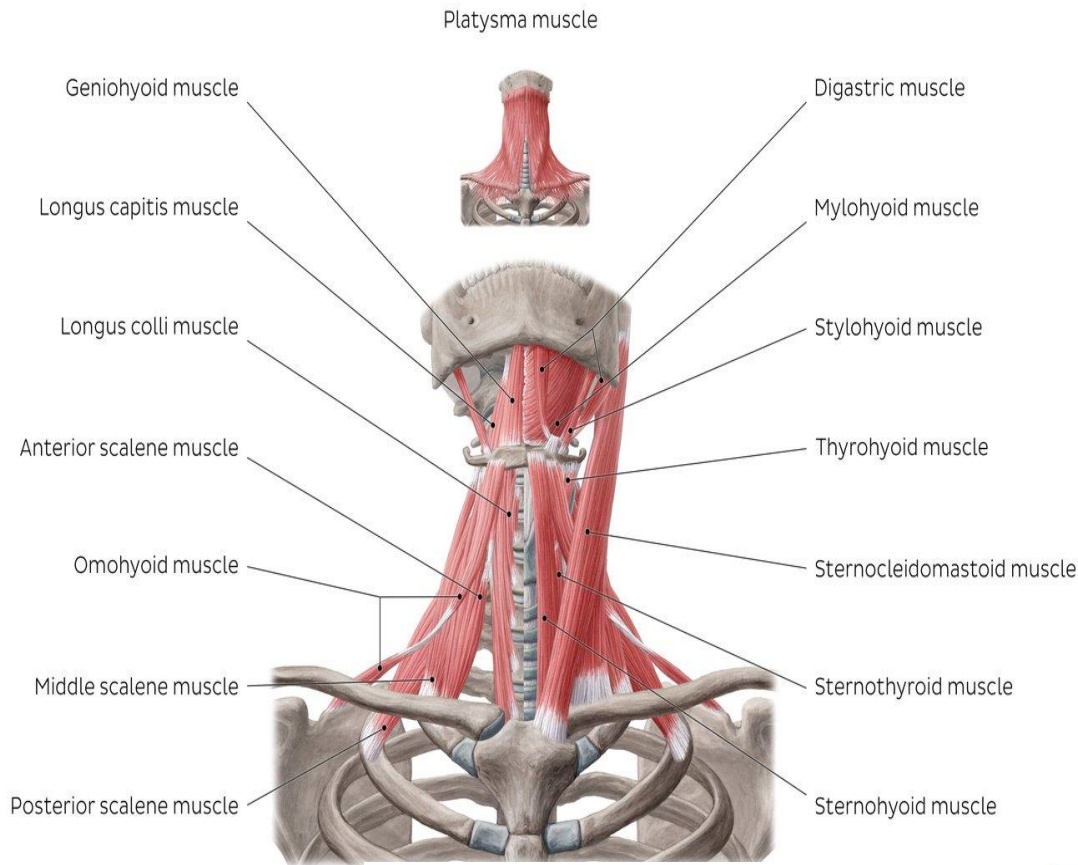
Macula lutea

Fovea centralis

Retinal vessels

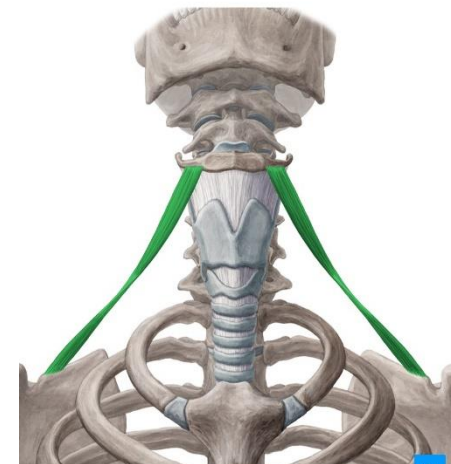
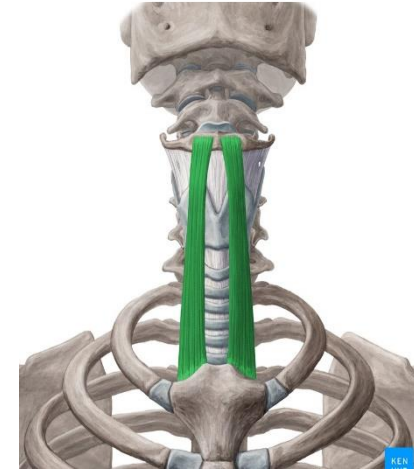
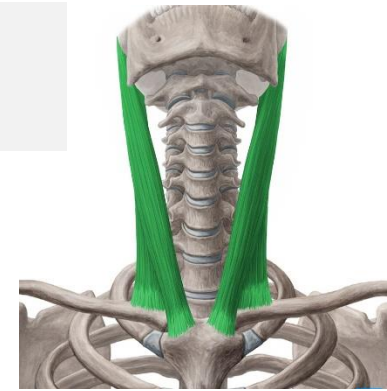
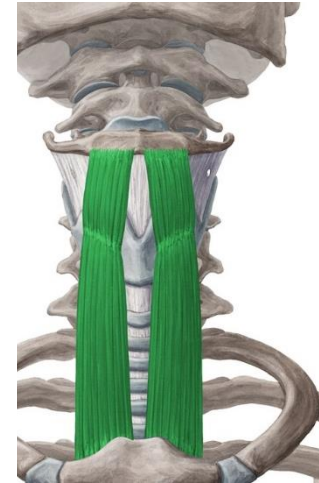


# Identify the sternocleidomastoid, suprahyoid and infrahyoid muscles, their origin, insertion, action and nerve supply



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