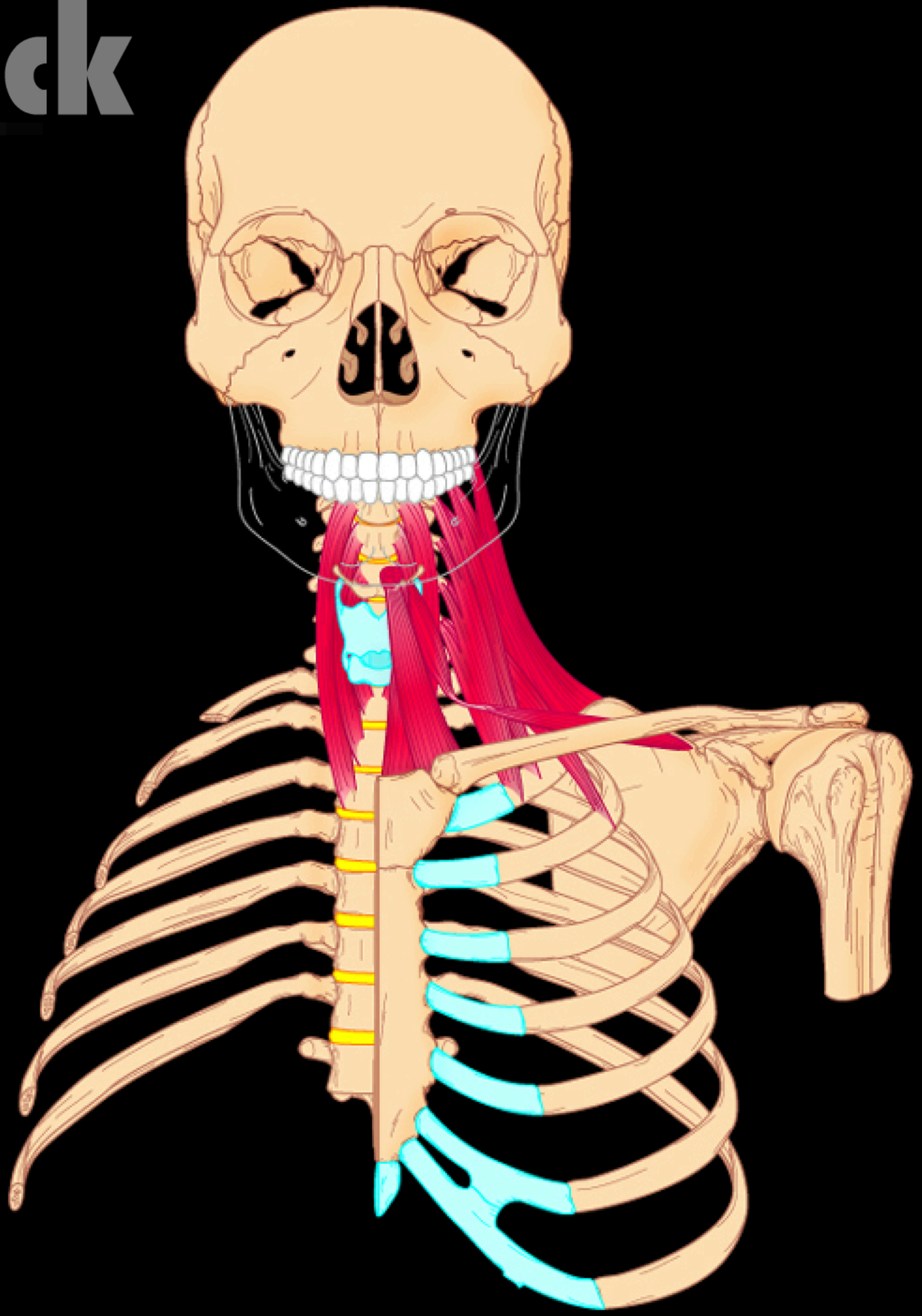
Head and Neck

Cervical Body Wall

Recall the Pattern

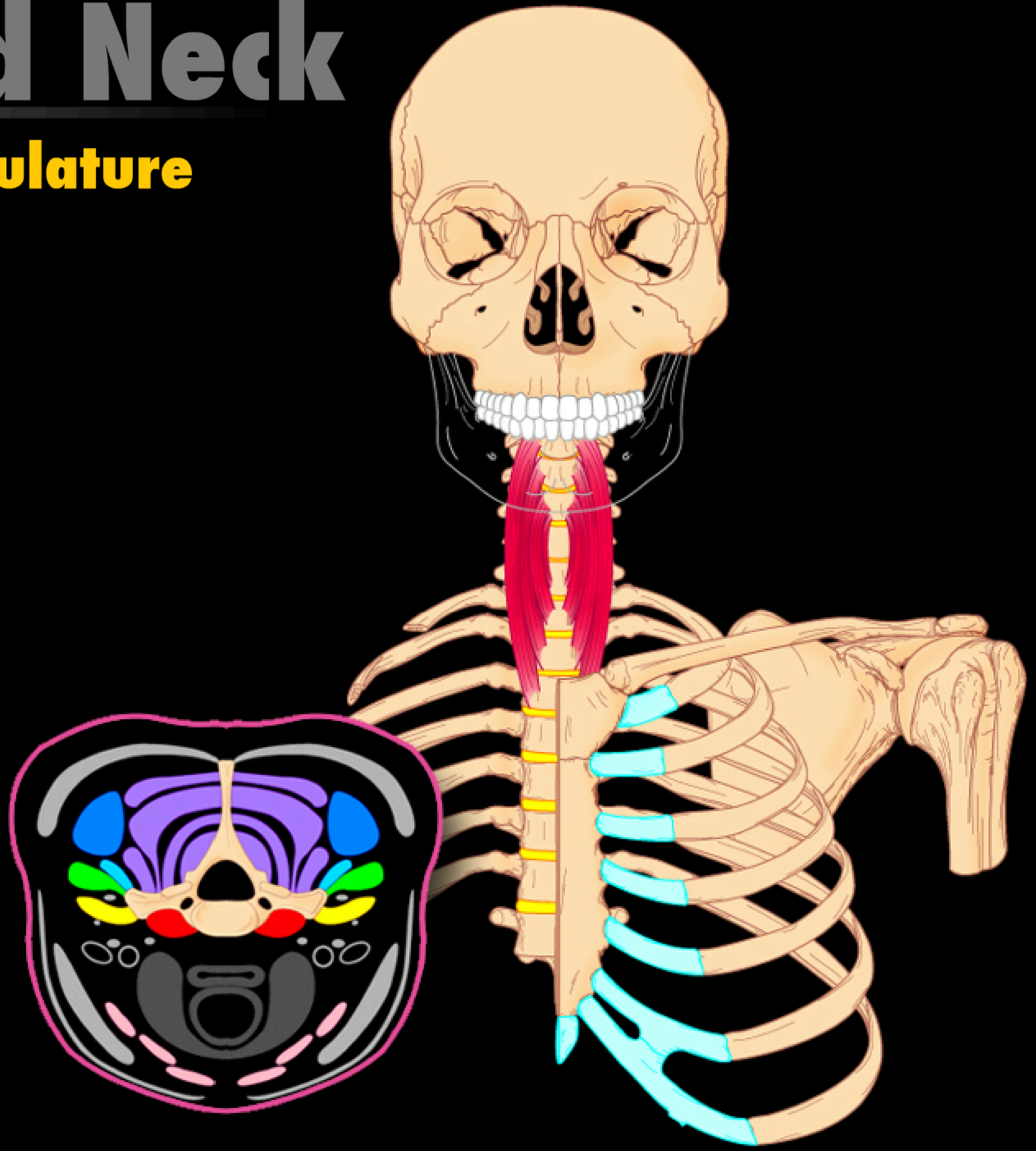


Head and Neck

Cervical Body Wall

Subvertebral Musculature

Longus colli muscle

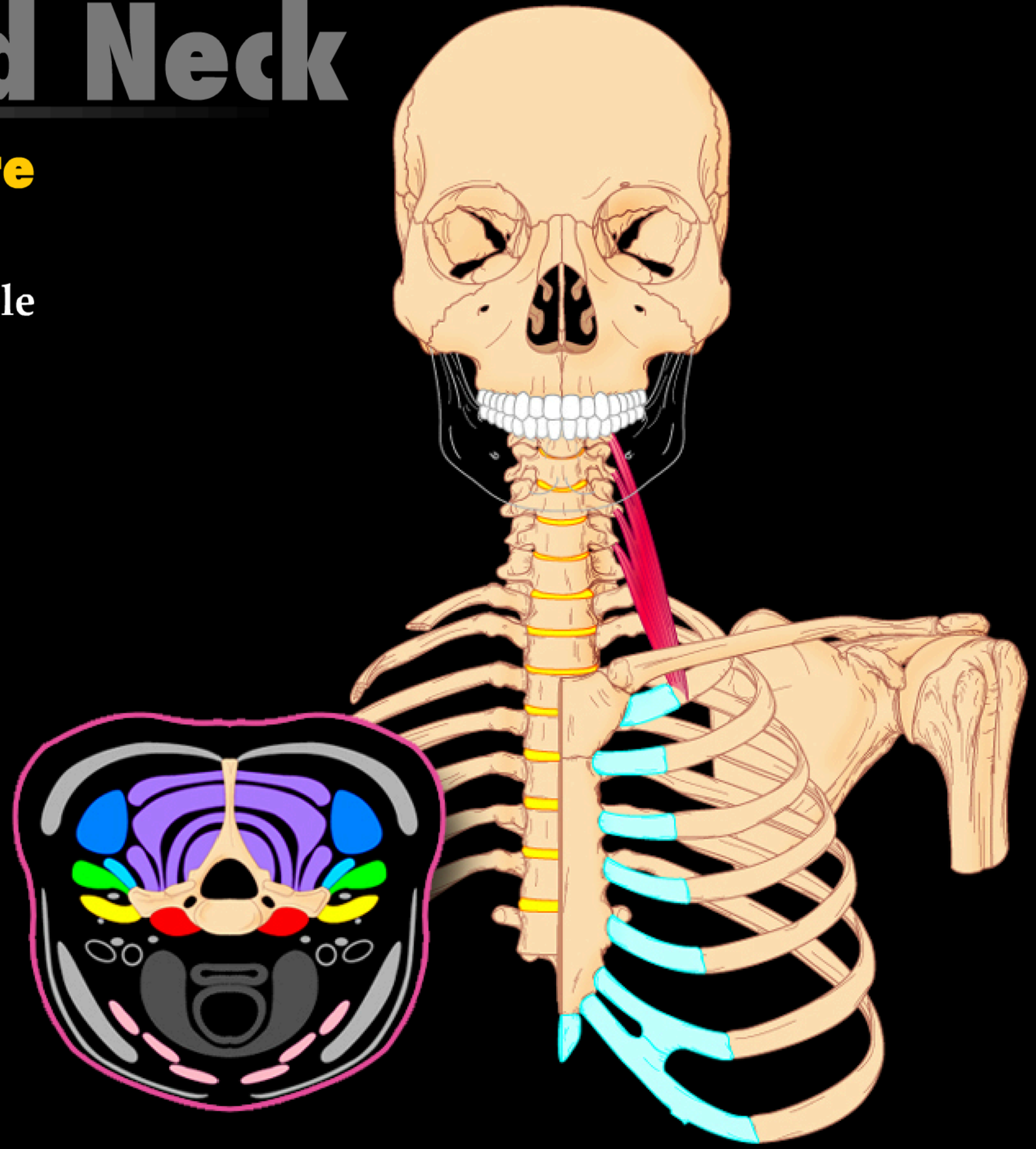


Cervical Body Wall

Lateral Musculature

Internal muscle layer

Anterior scalene muscle

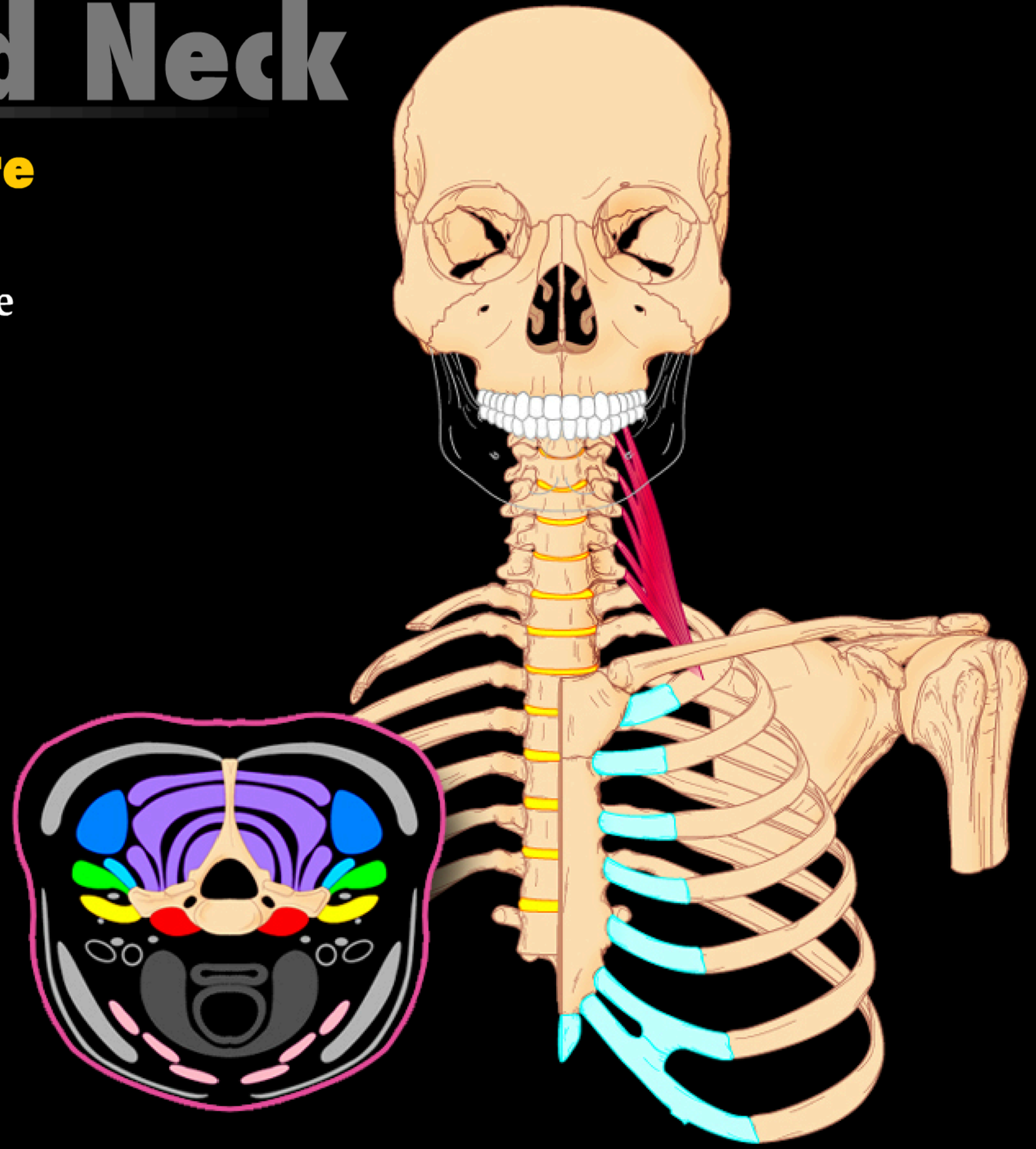


Cervical Body Wall

Lateral Musculature

Middle muscle layer

Middle scalene muscle

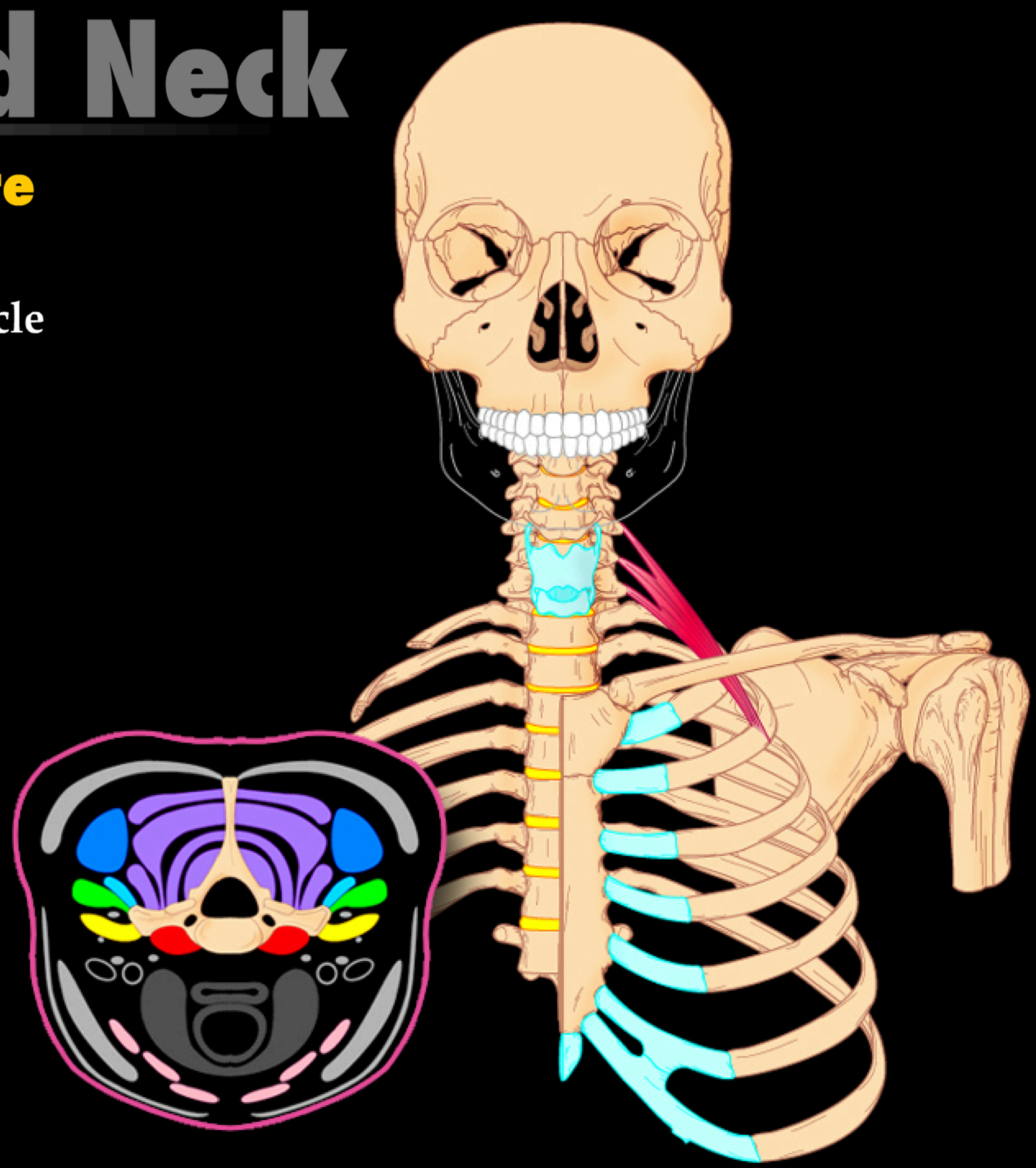


Cervical Body Wall

Lateral Musculature

External muscle layer

Posterior scalene muscle



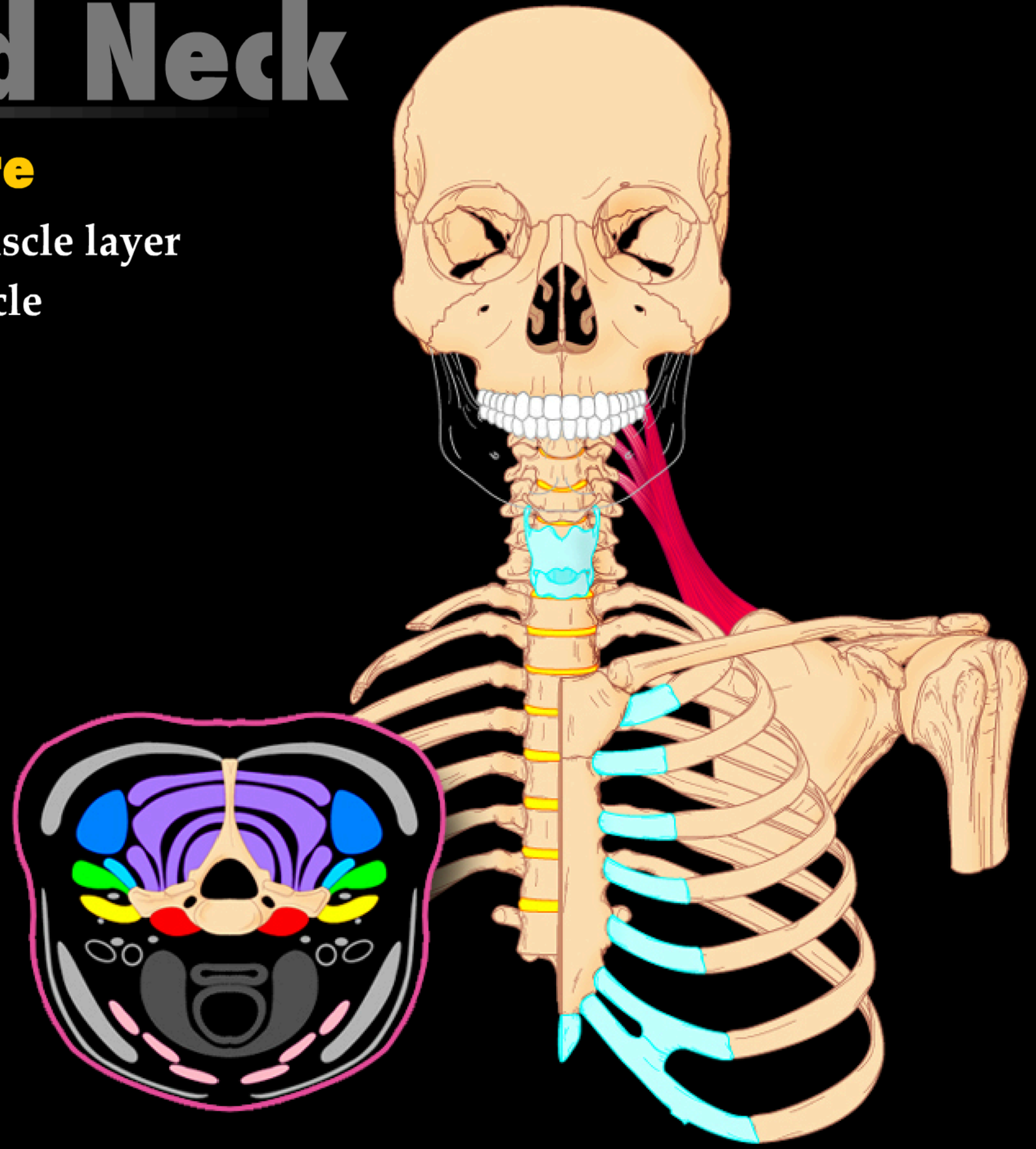
Head and Neck

Cervical Body Wall

Lateral Musculature

Supracostal or outer muscle layer

Levator scapulae muscle

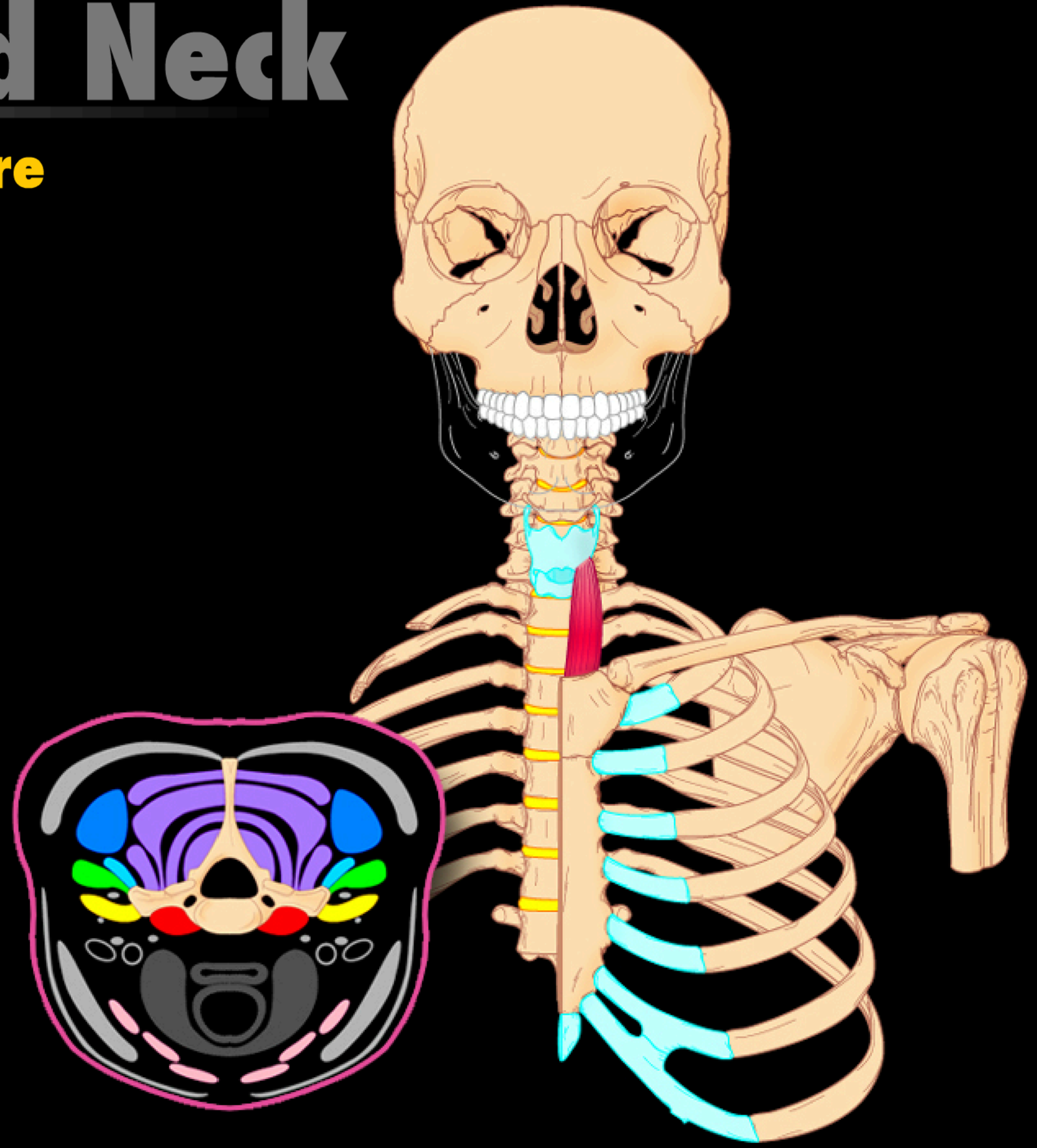


Head and Neck

Cervical Body Wall

Ventral Musculature

Sternothyroid muscle

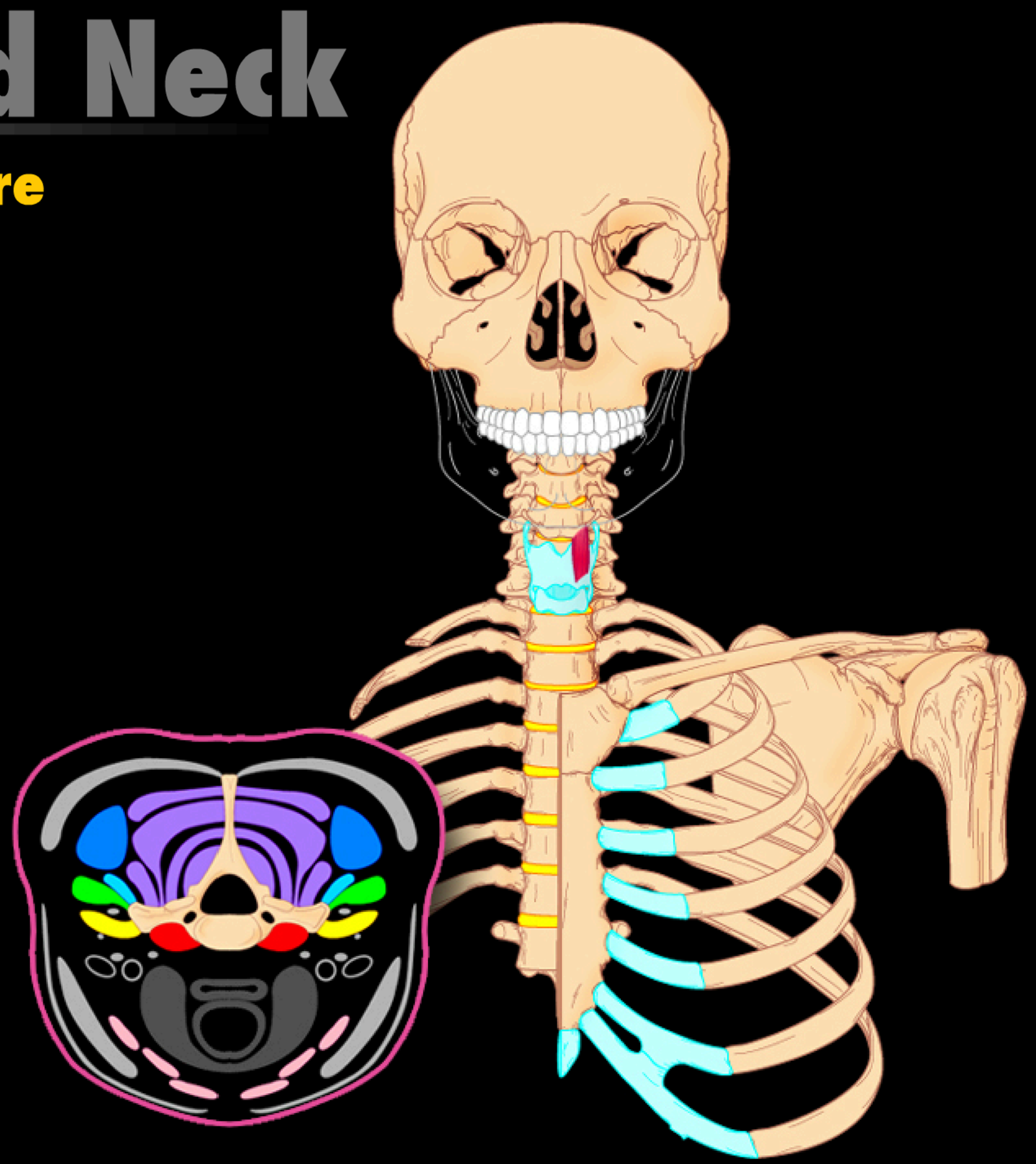


Head and Neck

Cervical Body Wall

Ventral Musculature

Thyrohyoid muscle

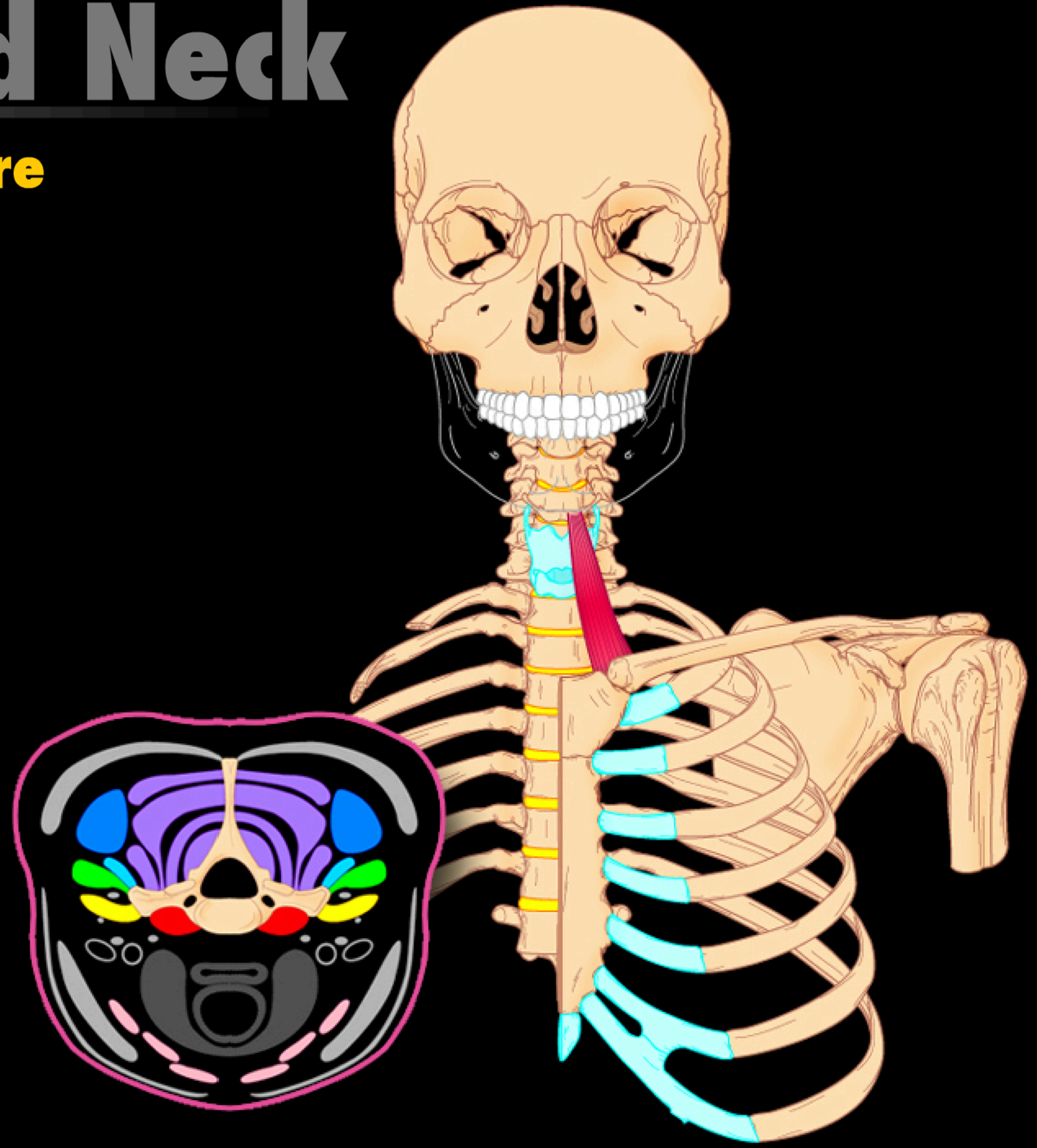


Head and Neck

Cervical Body Wall

Ventral Musculature

Sternohyoid muscle

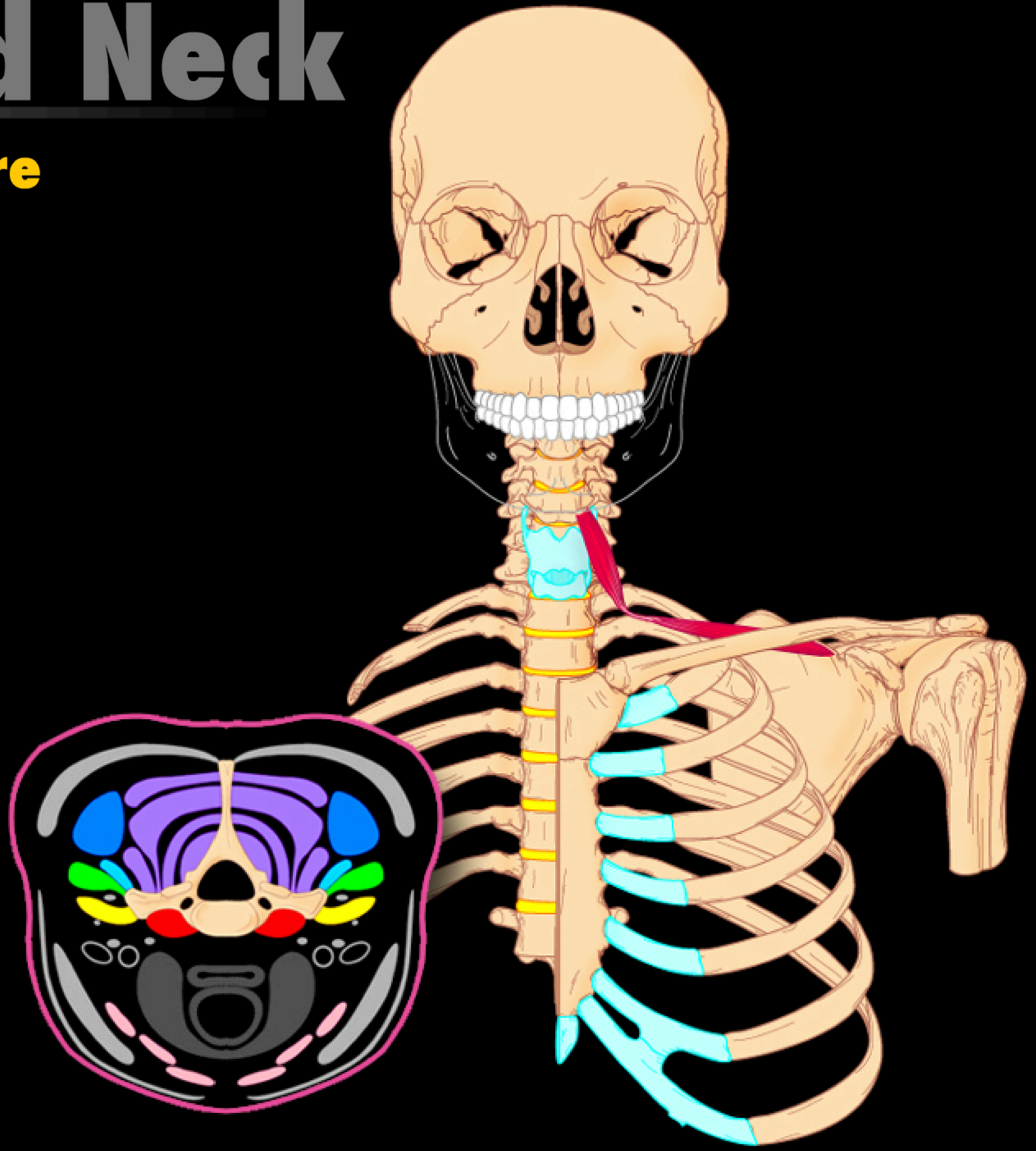


Head and Neck

Cervical Body Wall

Ventral Musculature

Omohyoid muscle

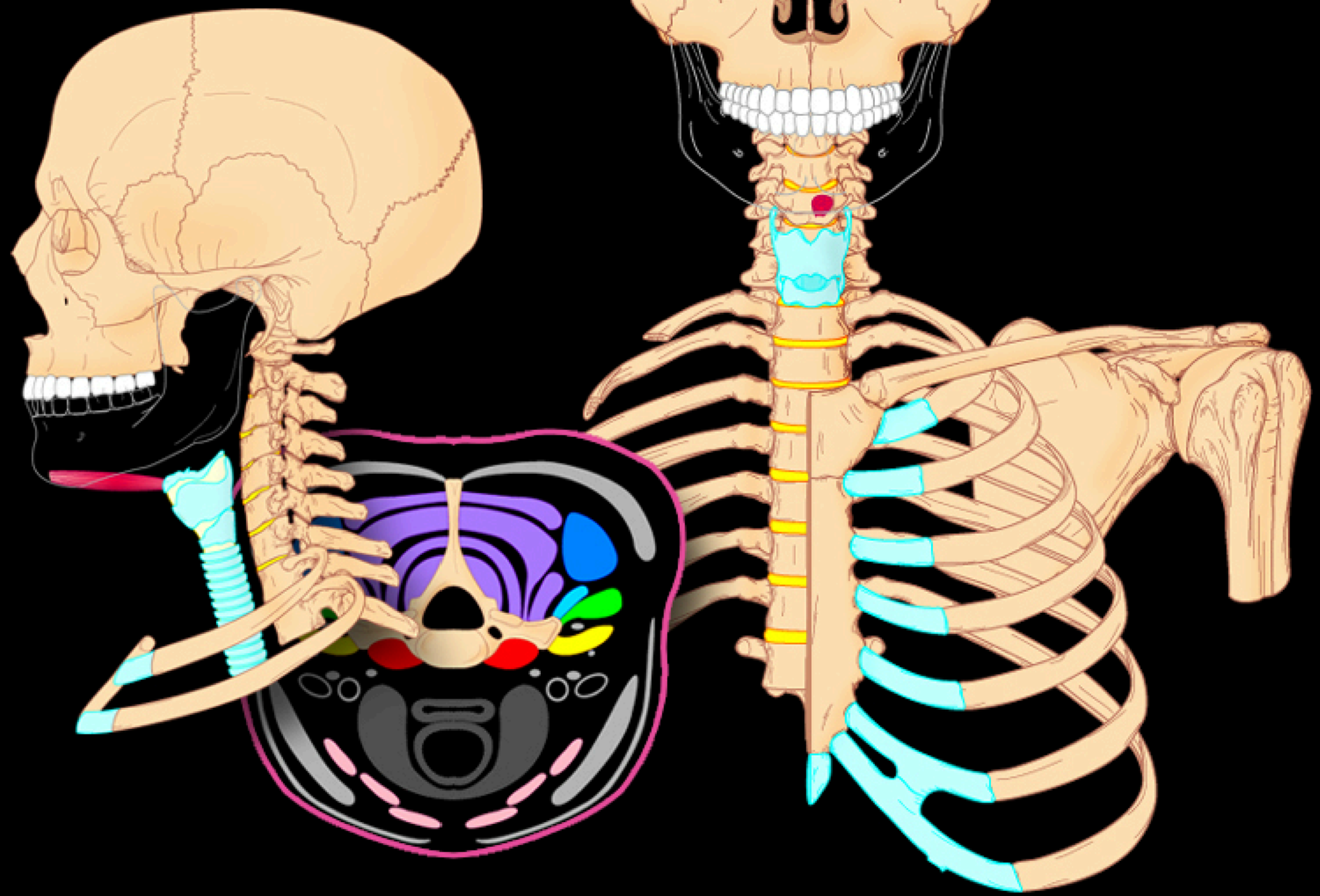


Head and Neck

Cervical Body Wall

Ventral Musculature

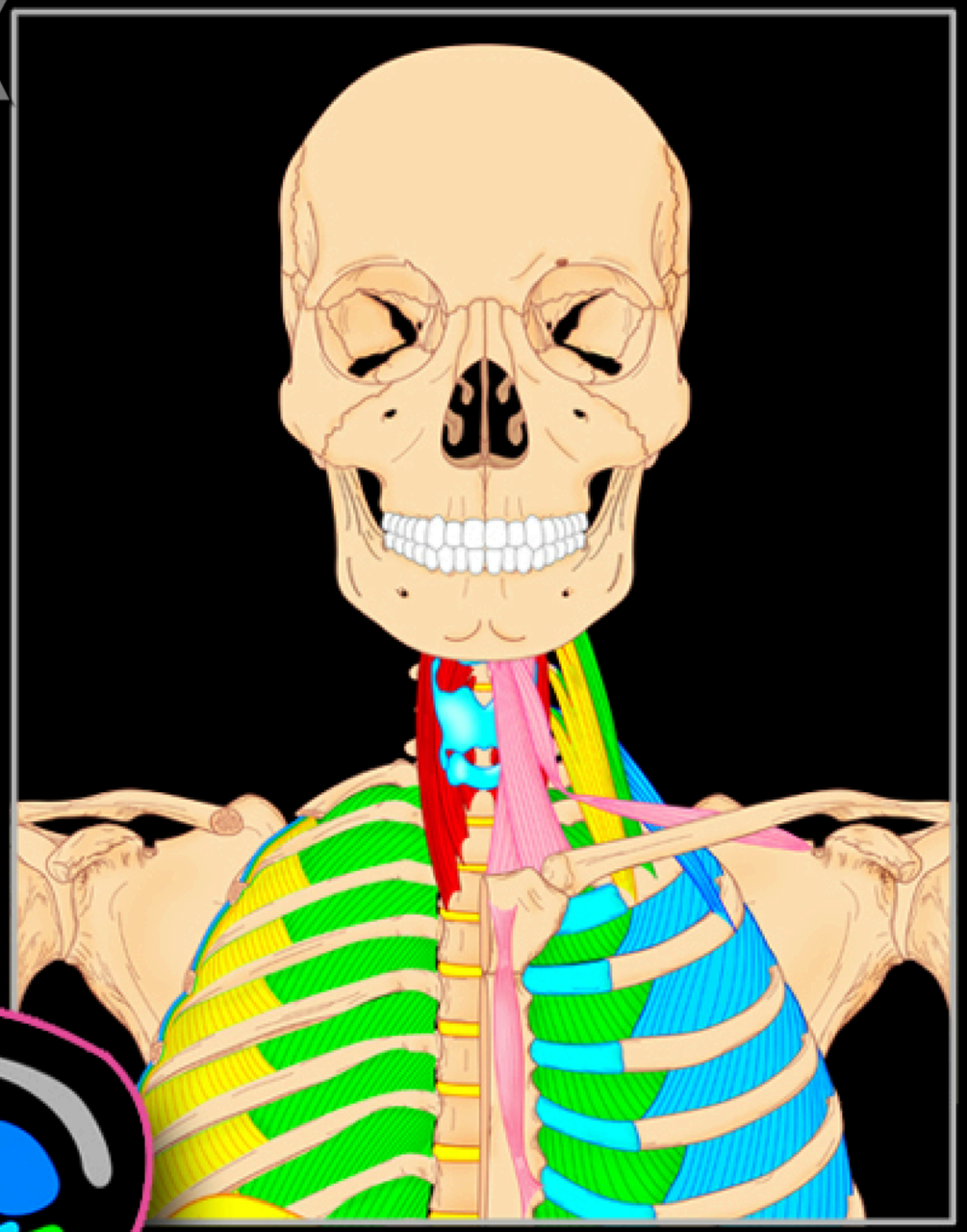
Geniohyoid muscle



Cervical Body Wall

Summary of Muscles

Functional significance





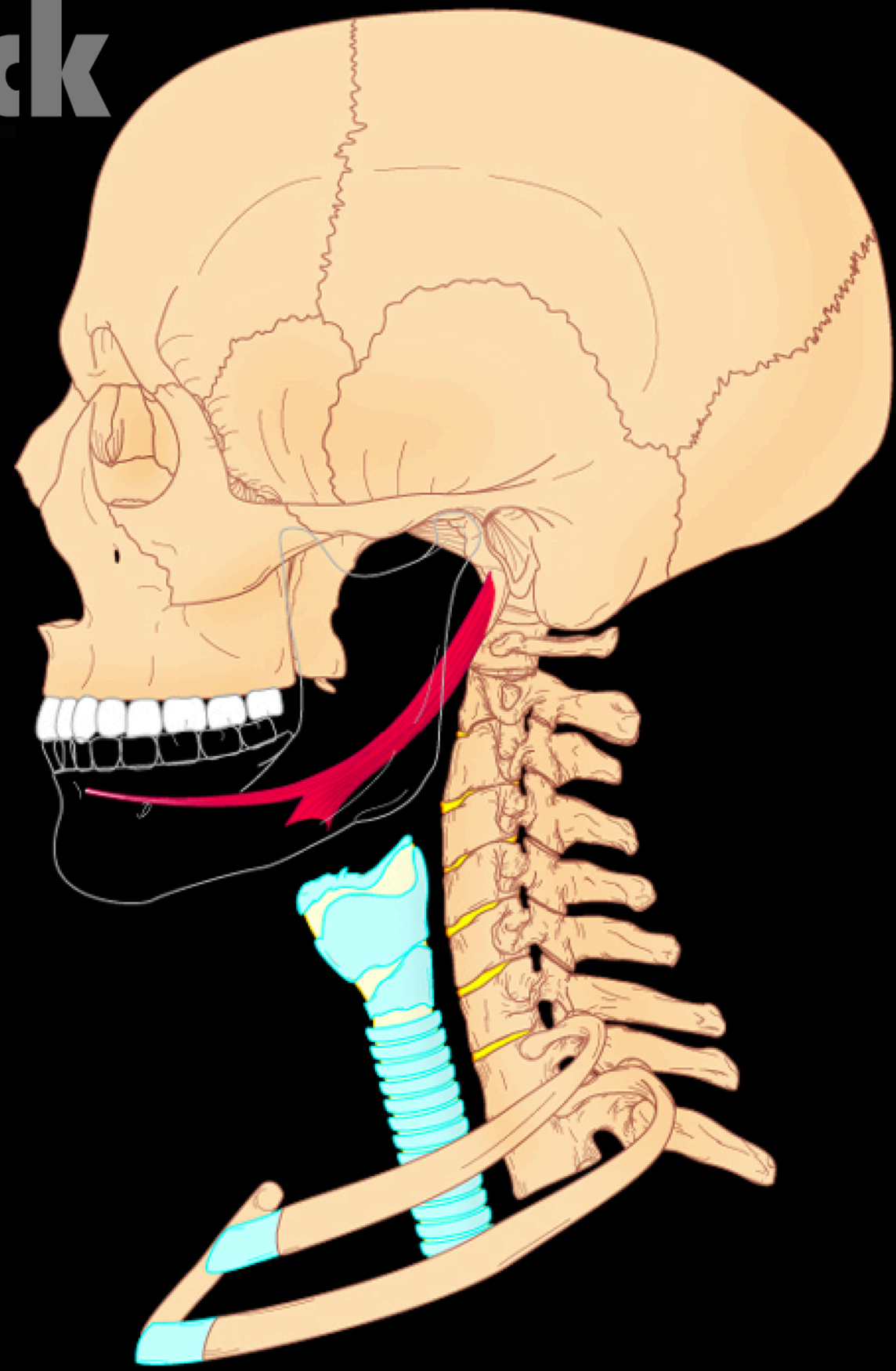
Head and Neck

Somitic Muscles of the Head

Tongue Muscles

Extrinsic tongue muscles

Styloglossus muscle



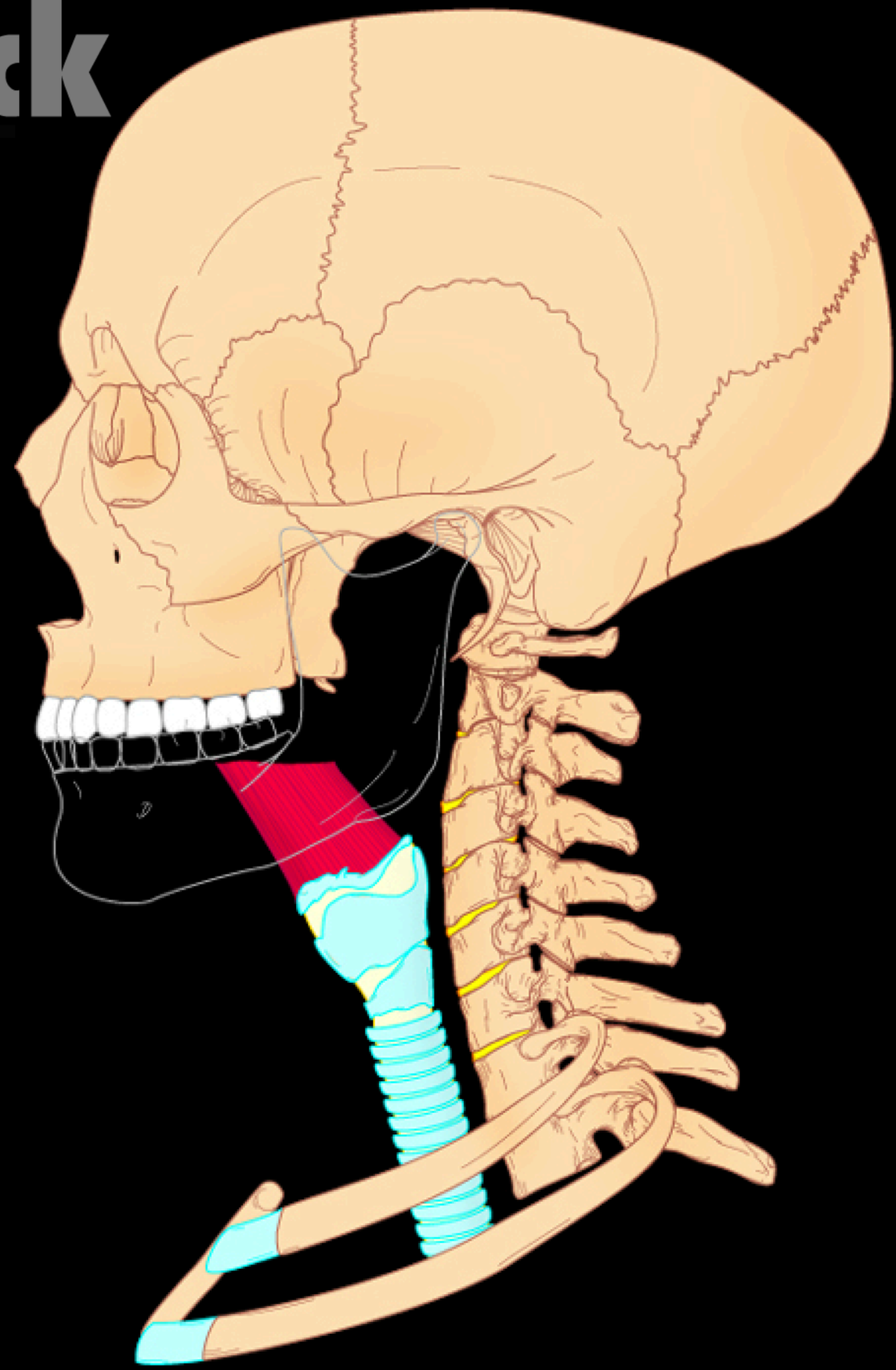
Head and Neck

Somitic Muscles of the Head

Tongue Muscles

Extrinsic tongue muscles

Hyoglossus muscle



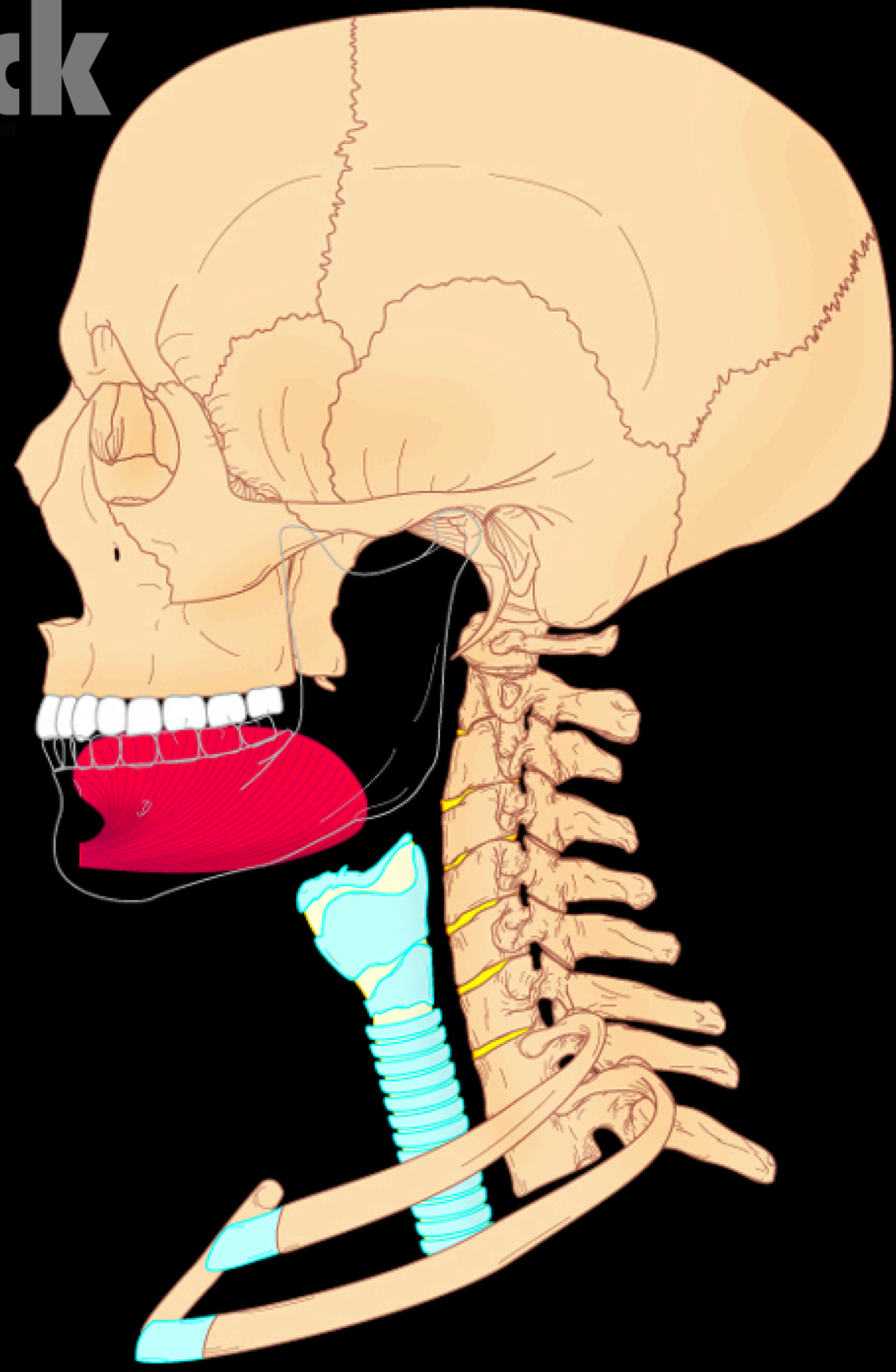
Head and Neck

Somitic Muscles of the Head

Tongue Muscles

Extrinsic tongue muscles

Genioglossus muscle



Head and Neck

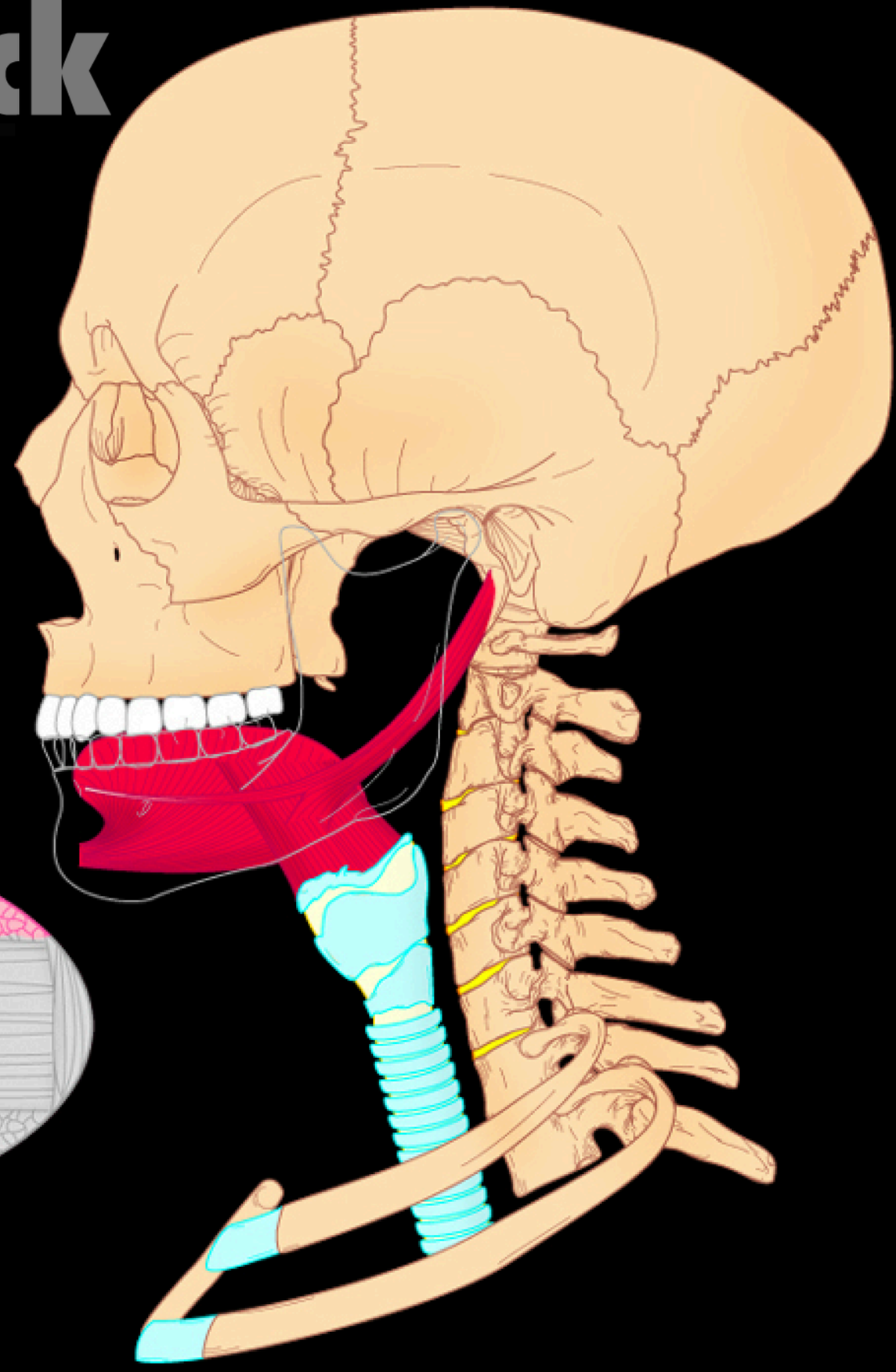
Somitic Muscles of the Head

Tongue Muscles

Intrinsic tongue muscles

Superior longitudinal muscle





Head and Neck

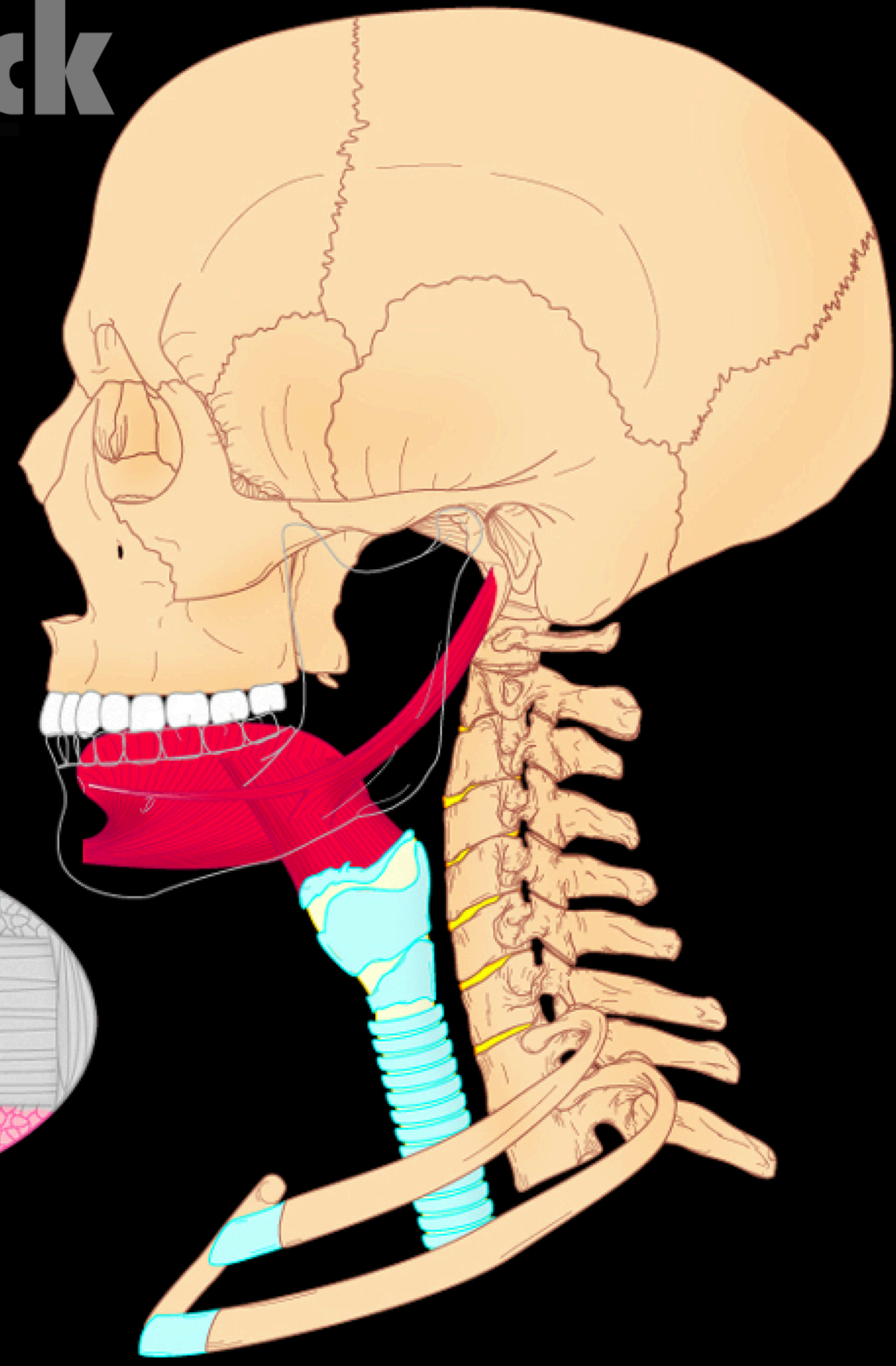
Somitic Muscles of the Head

Tongue Muscles

Intrinsic tongue muscles

Inferior longitudinal muscle





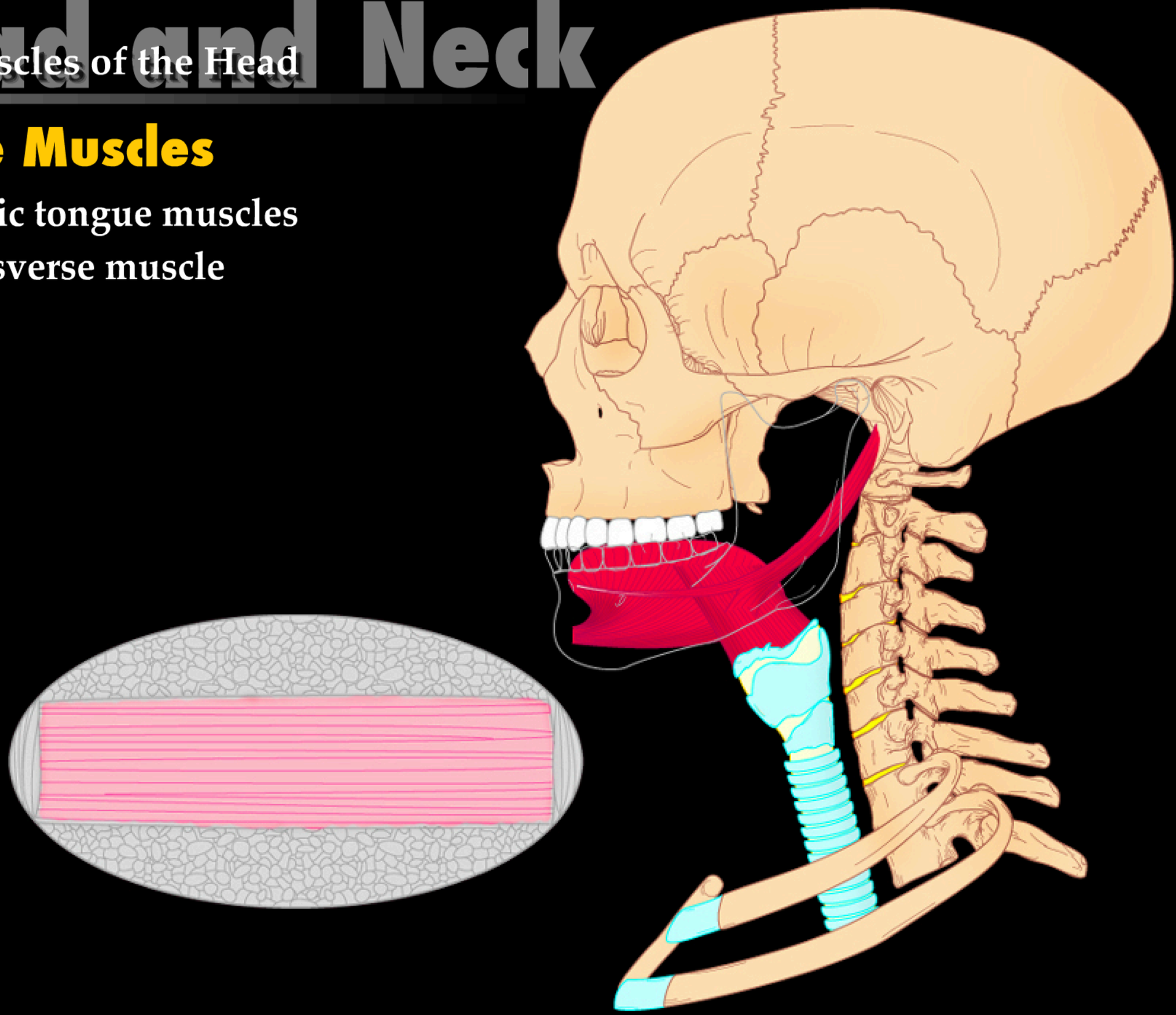
Head and Neck

Somitic Muscles of the Head

Tongue Muscles

Intrinsic tongue muscles

Transverse muscle



Head and Neck

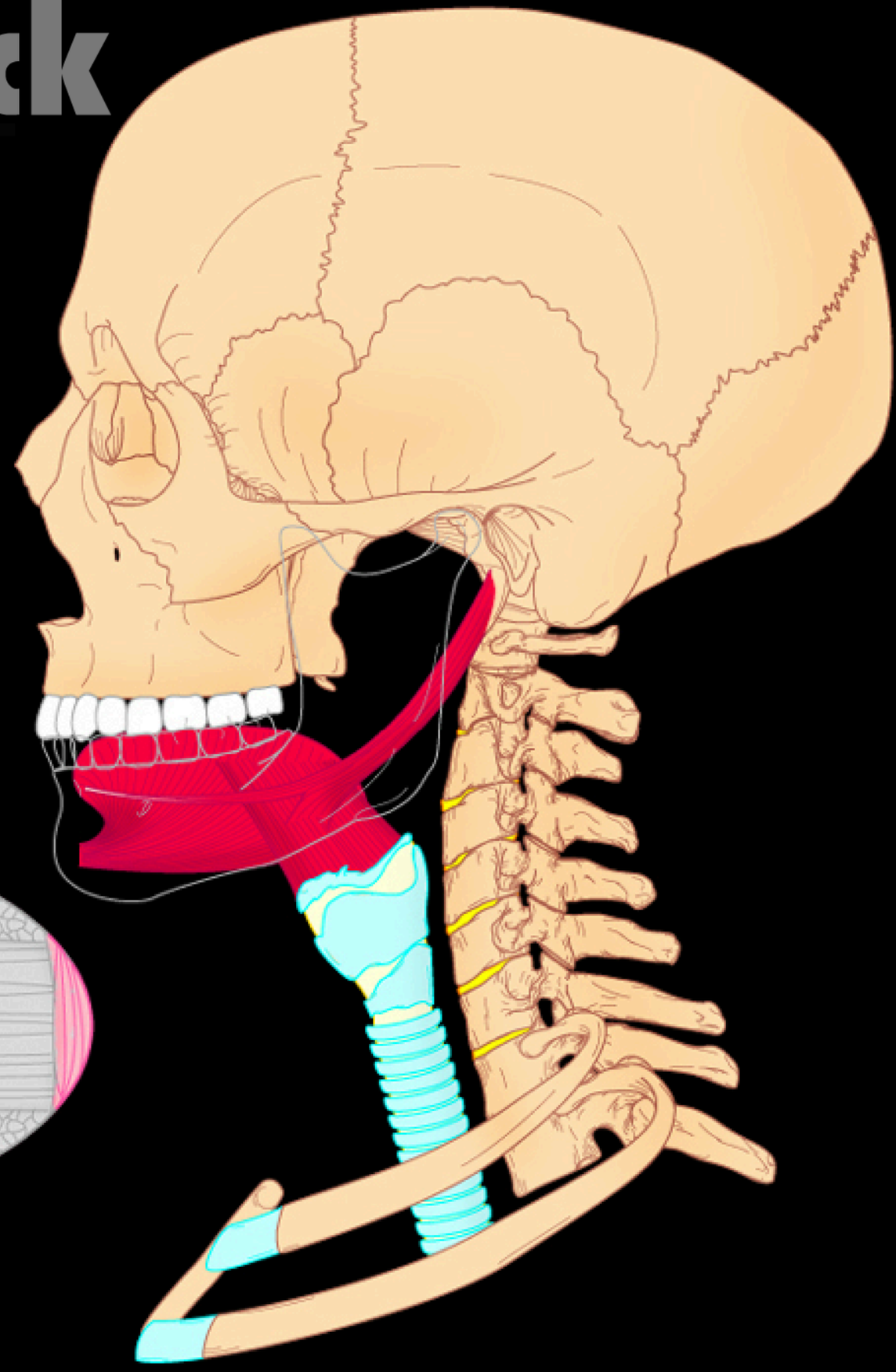
Somitic Muscles of the Head

Tongue Muscles

Intrinsic tongue muscles

Vertical muscle

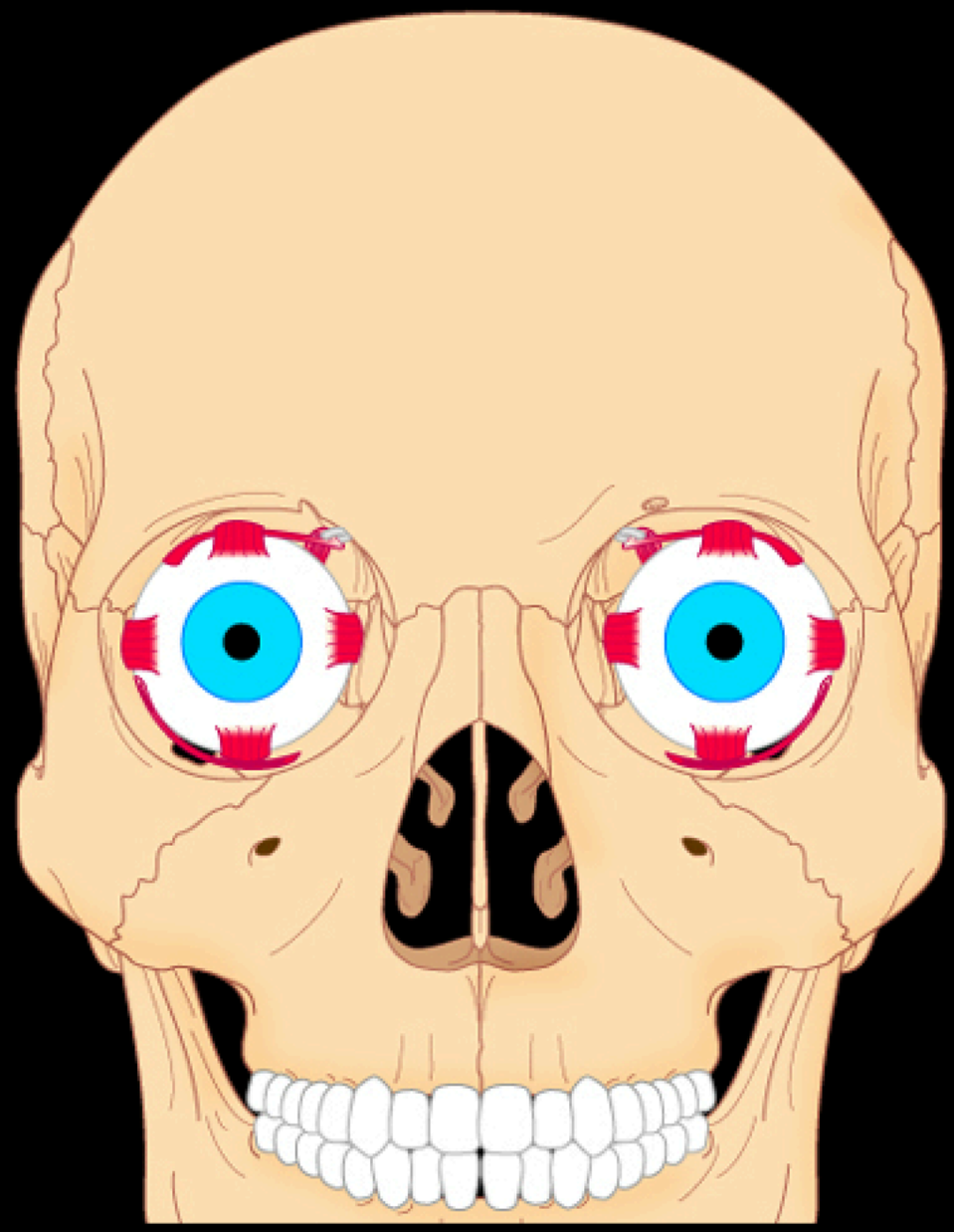


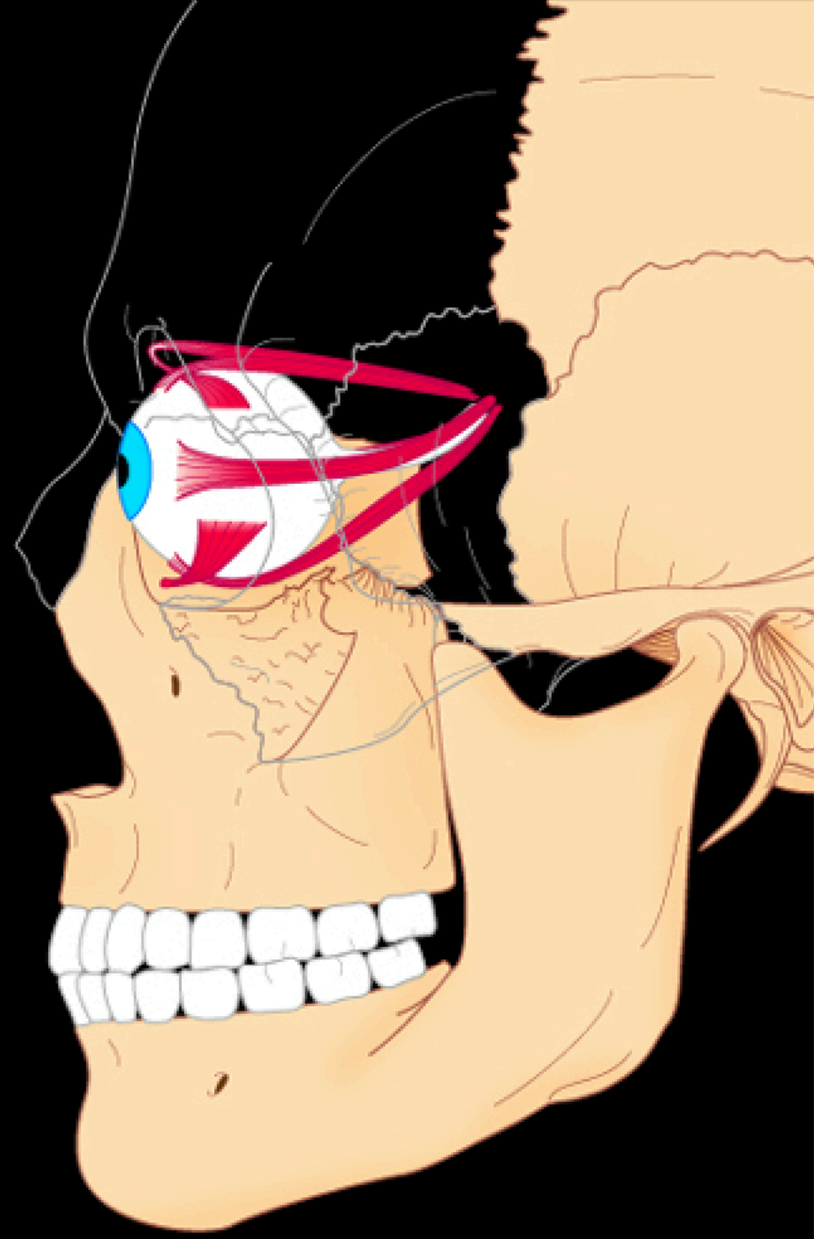


Head and Neck

Somitic Muscles of the Head

Extrinsic Eye Muscles



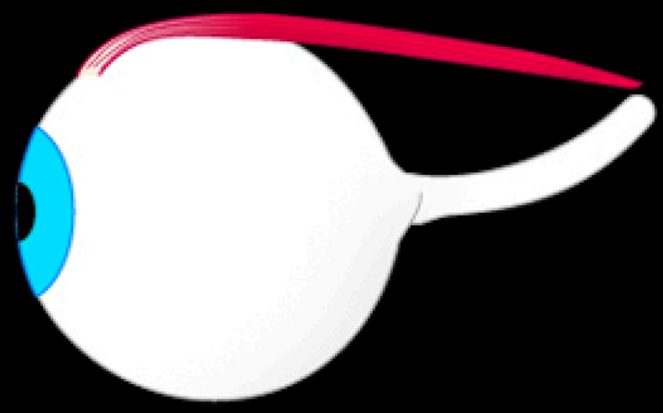


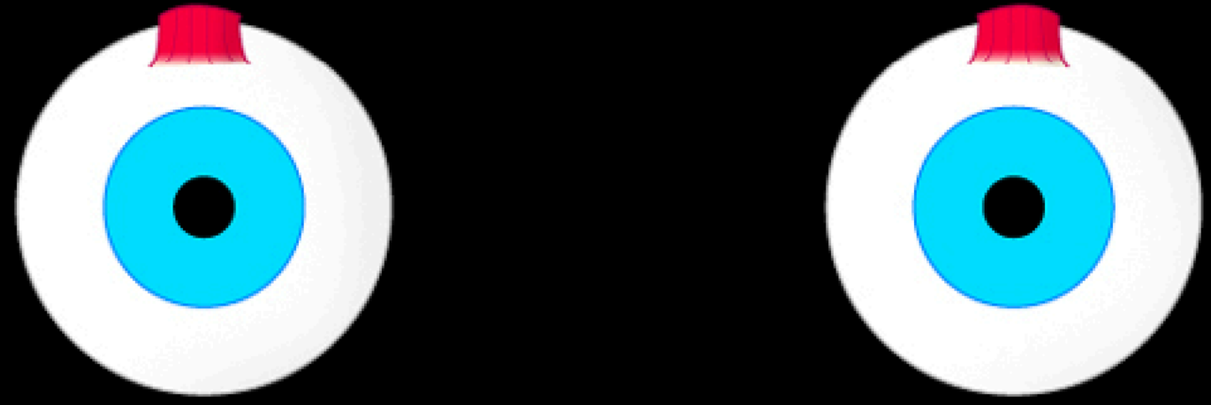
Head and Neck

Somitic Muscles of the Head

Extrinsic Eye Muscles

Superior rectus muscle



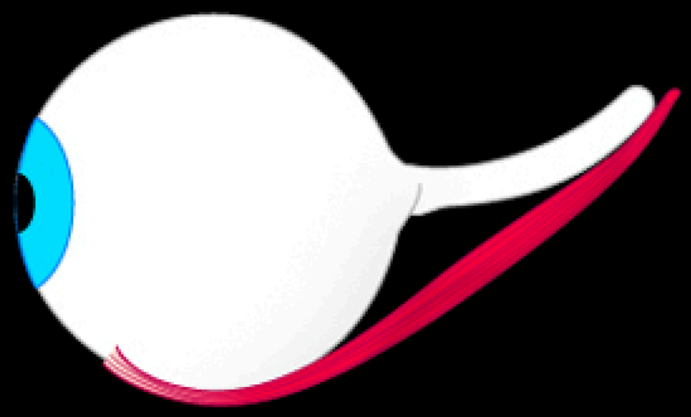


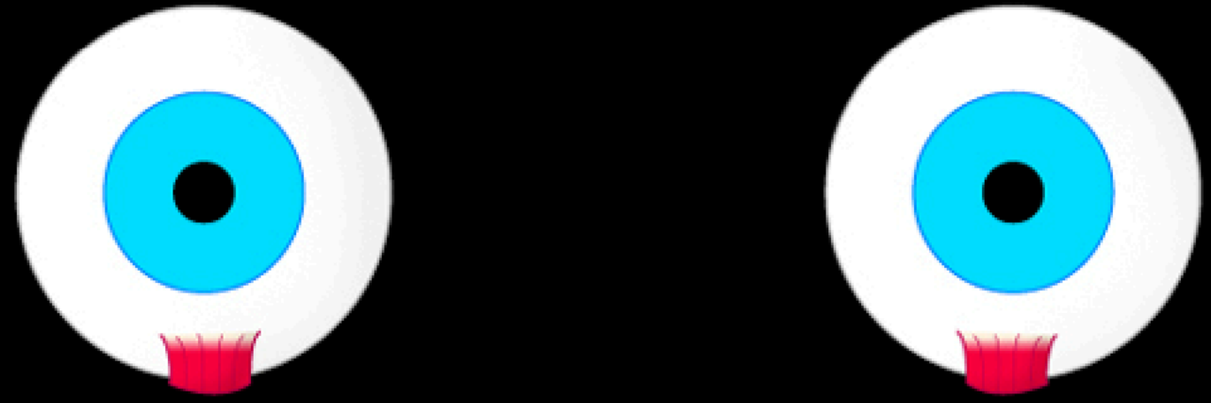
Head and Neck

Somitic Muscles of the Head

Extrinsic Eye Muscles

Inferior rectus muscle



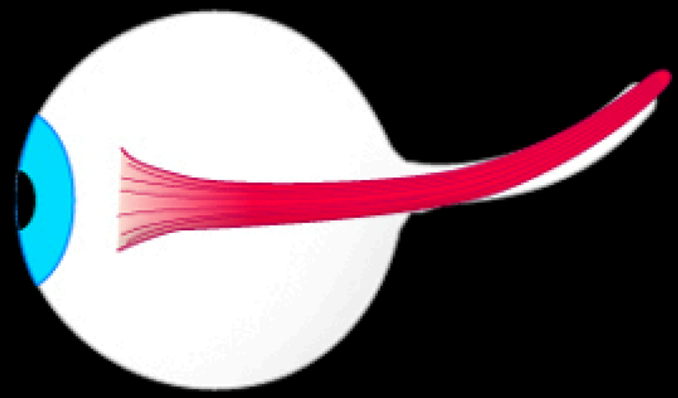


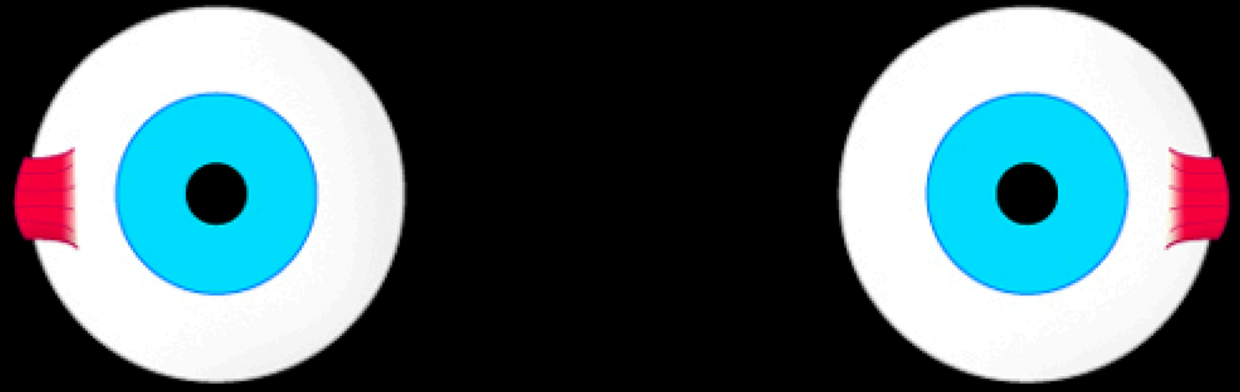
Head and Neck

Somitic Muscles of the Head

Extrinsic Eye Muscles

Lateral rectus muscle



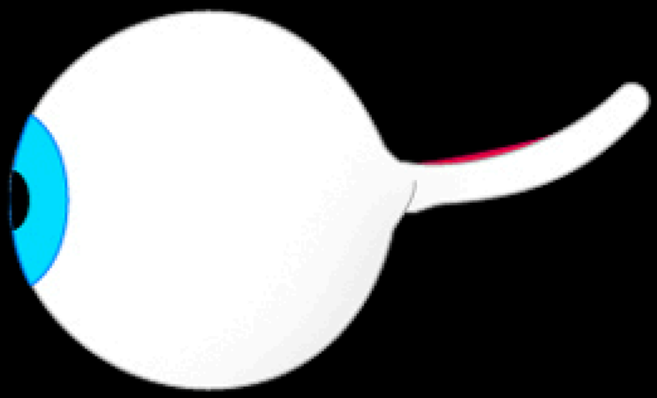


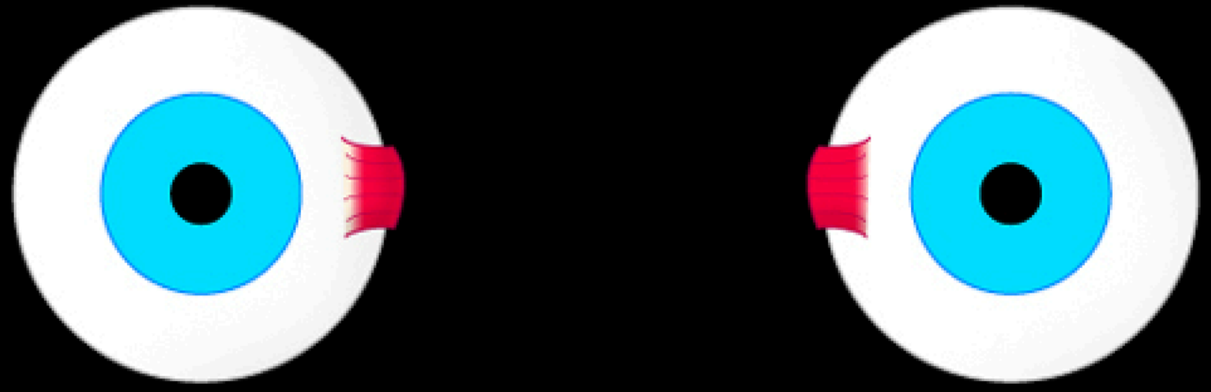
Head and Neck

Somitic Muscles of the Head

Extrinsic Eye Muscles

Medial rectus muscle



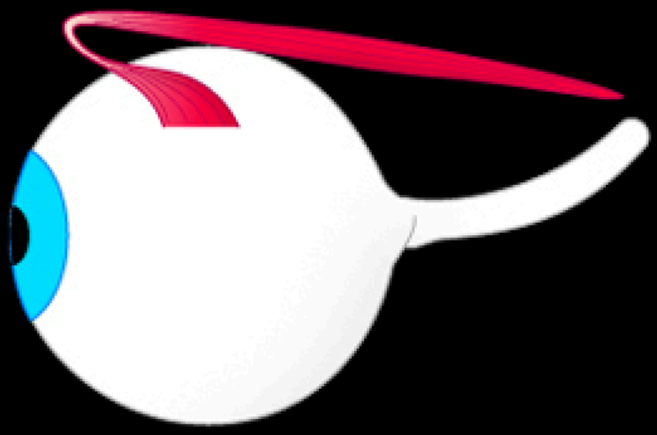


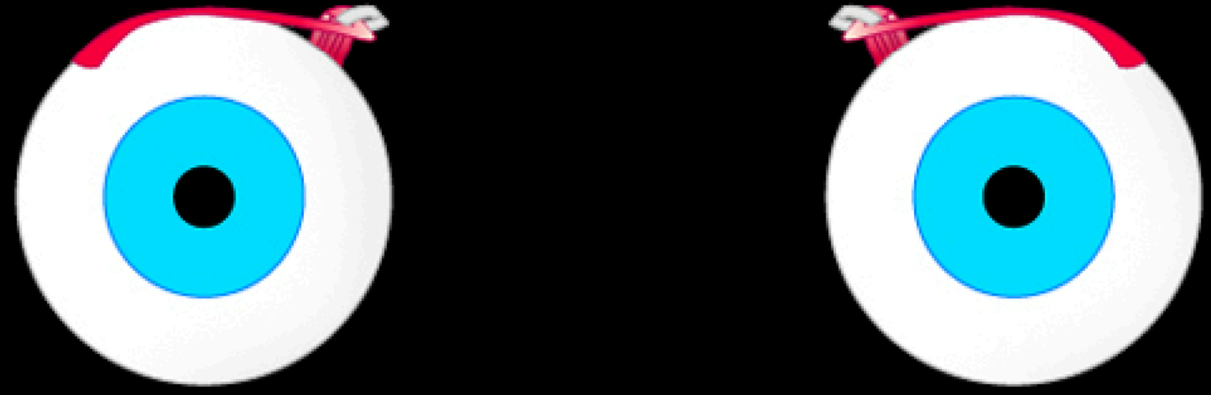
Head and Neck

Somitic Muscles of the Head

Extrinsic Eye Muscles

Superior oblique muscle

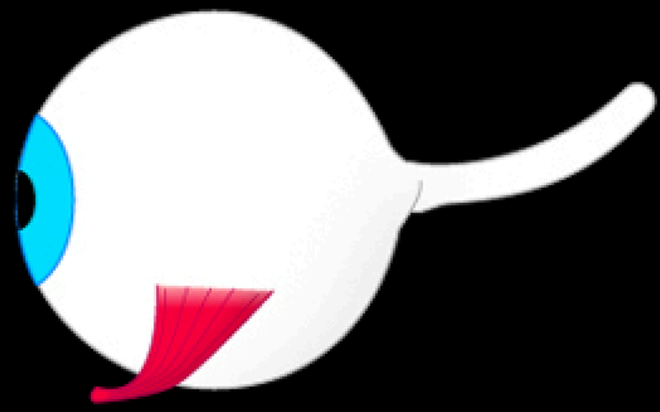


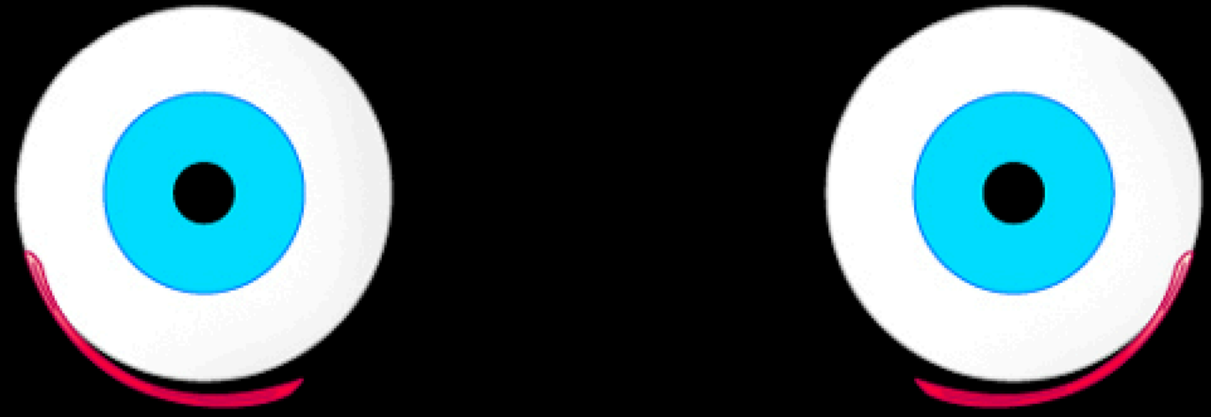


Somitic Muscles of the Head

Extrinsic Eye Muscles

Inferior oblique muscle



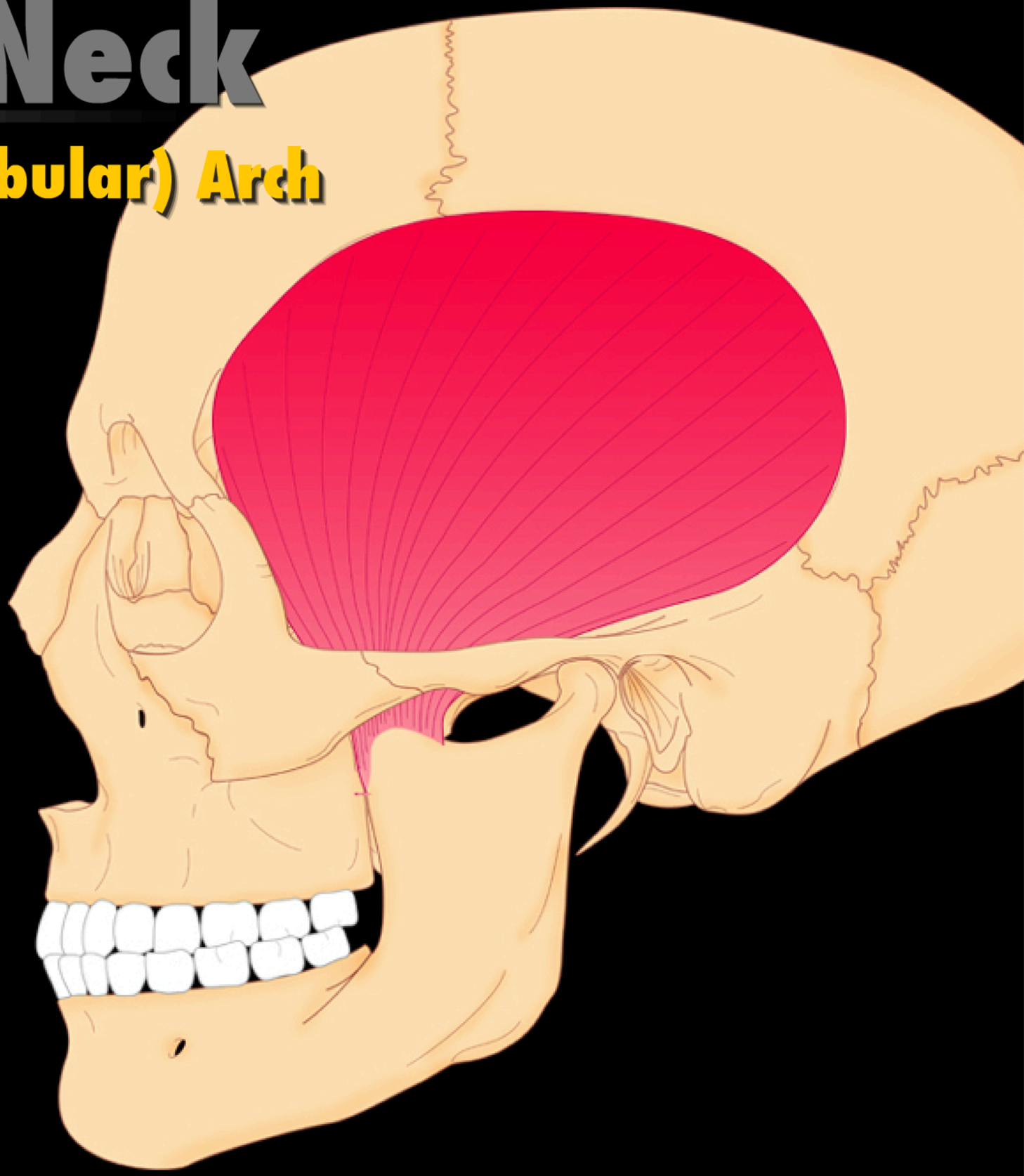


Head and Neck

Branchial Arch Muscles

Muscles of 1st (Mandibular) Arch

Temporalis muscle

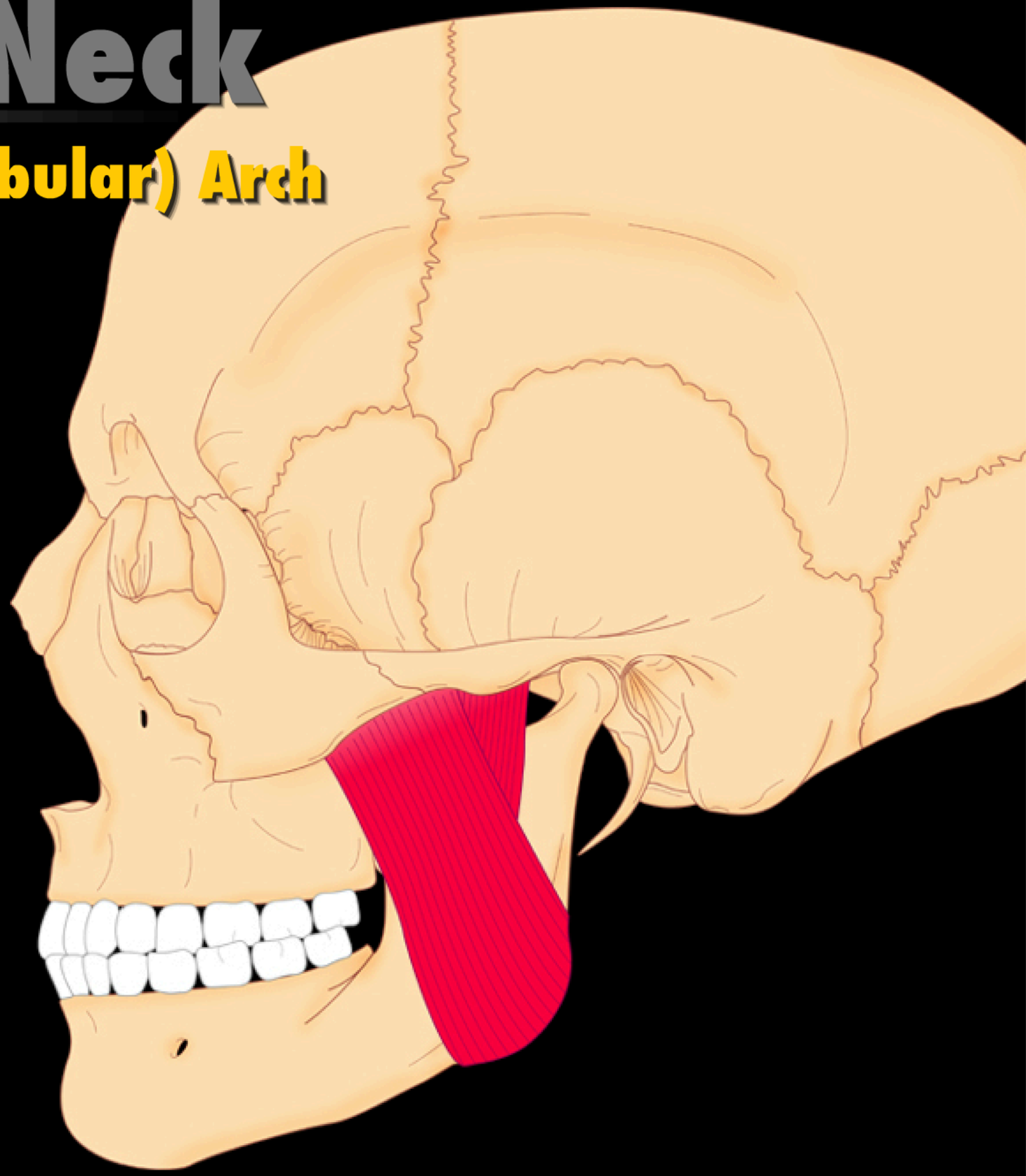


Head and Neck

Branchial Arch Muscles

Muscles of 1st (Mandibular) Arch

Masseter muscle

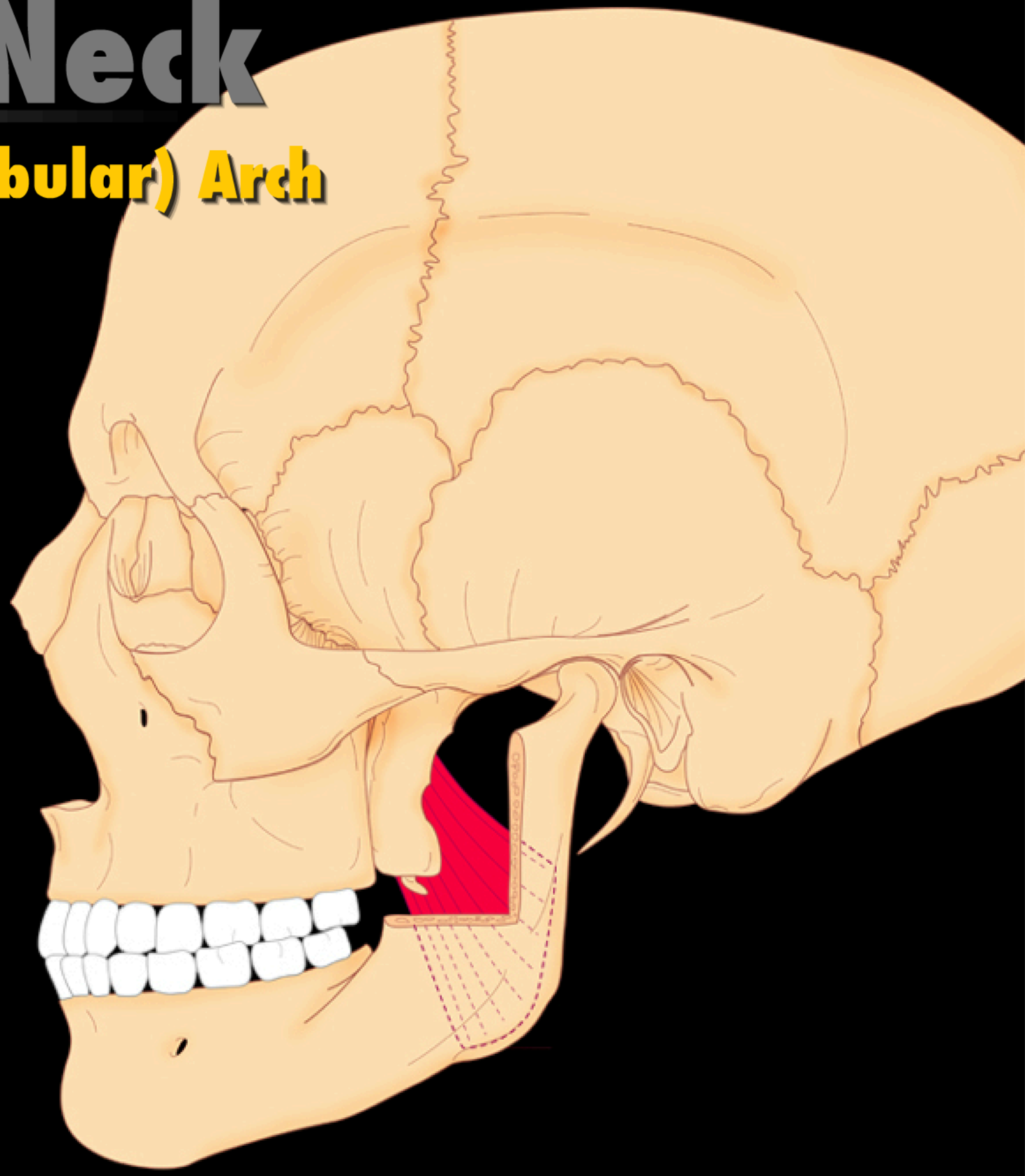


Head and Neck

Branchial Arch Muscles

Muscles of 1st (Mandibular) Arch

Medial pterygoid muscle

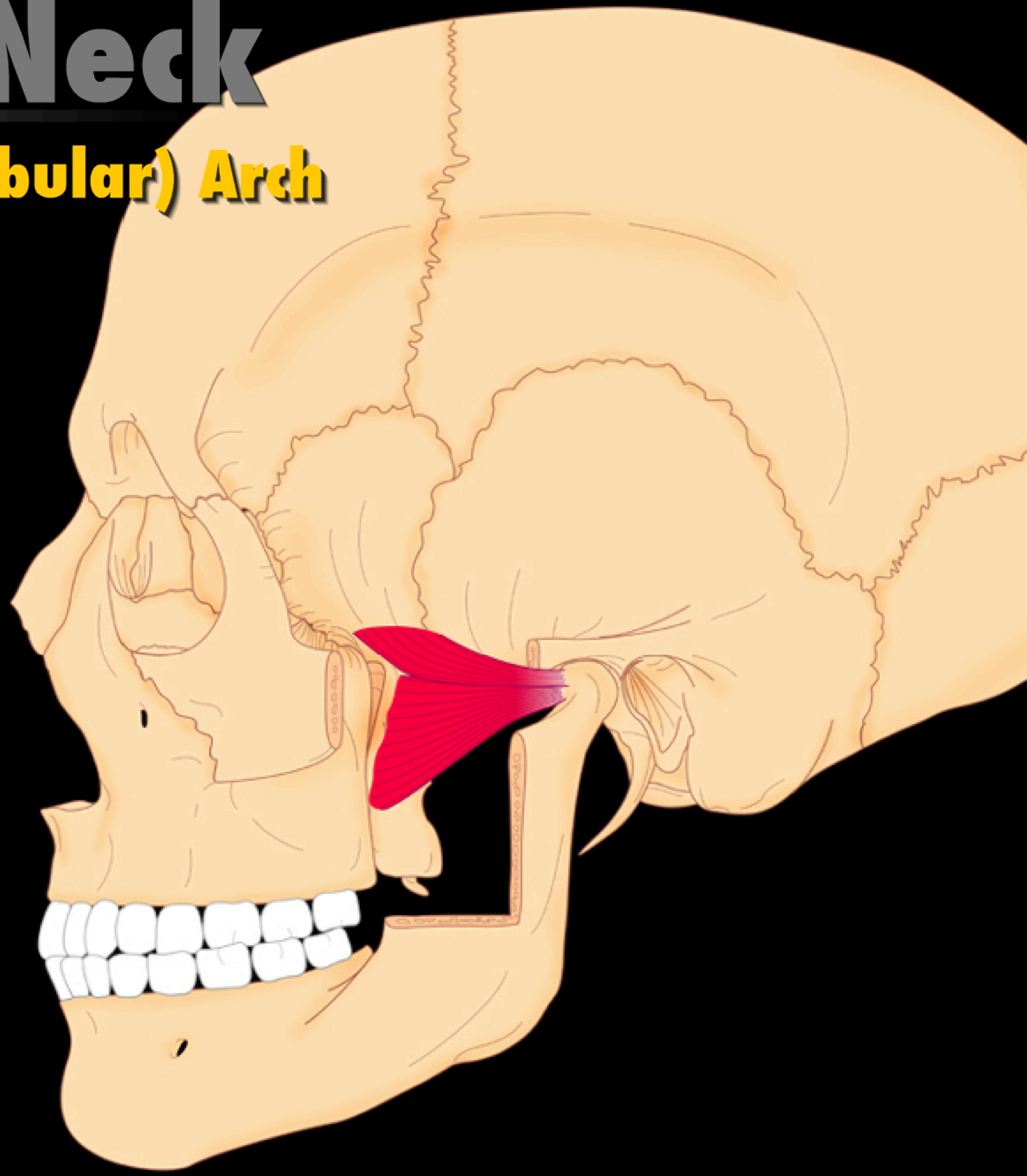


Head and Neck

Branchial Arch Muscles

Muscles of 1st (Mandibular) Arch

Lateral pterygoid muscle

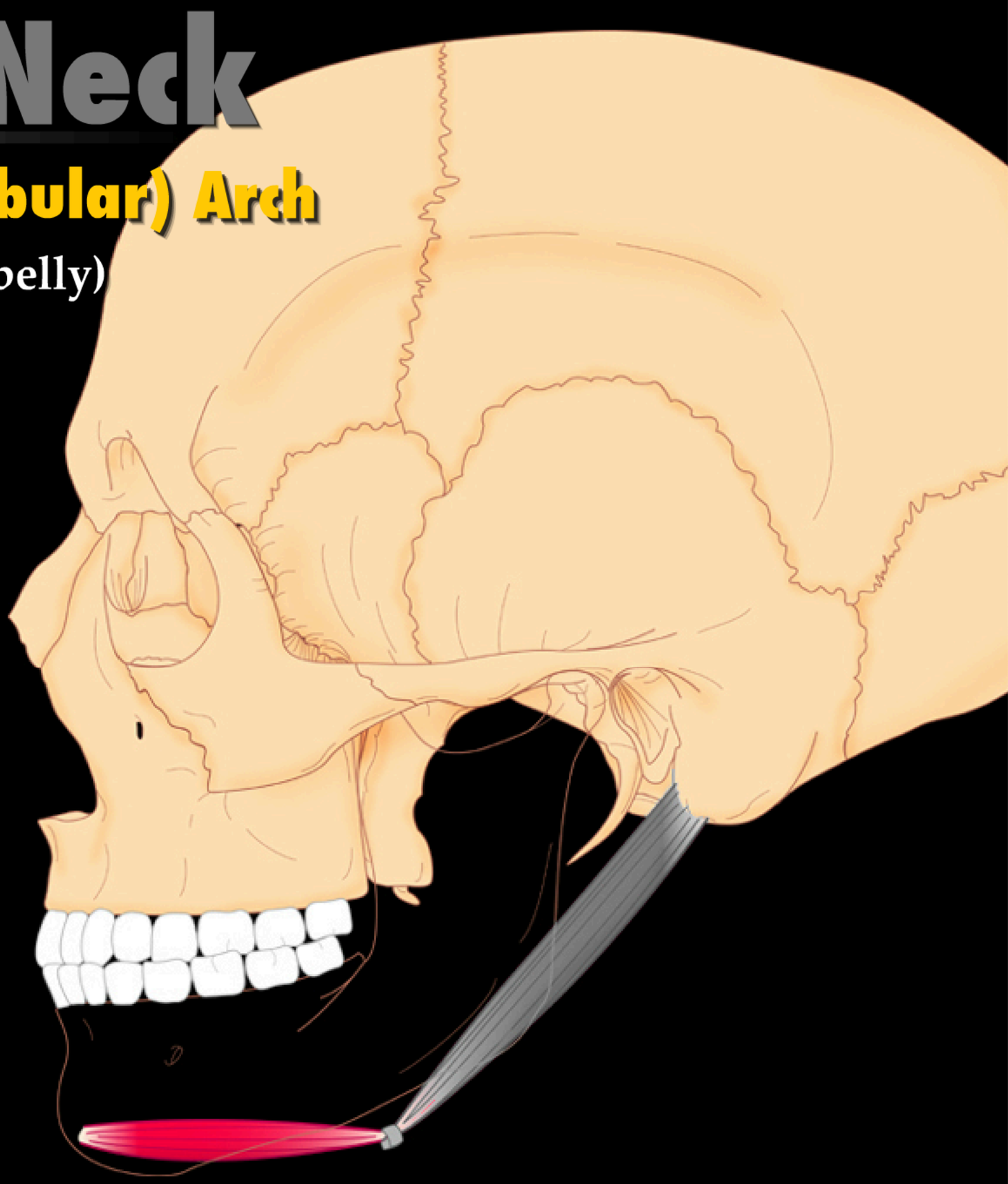


Head and Neck

Branchial Arch Muscles

Muscles of 1st (Mandibular) Arch

Digastricus muscle (anterior belly)

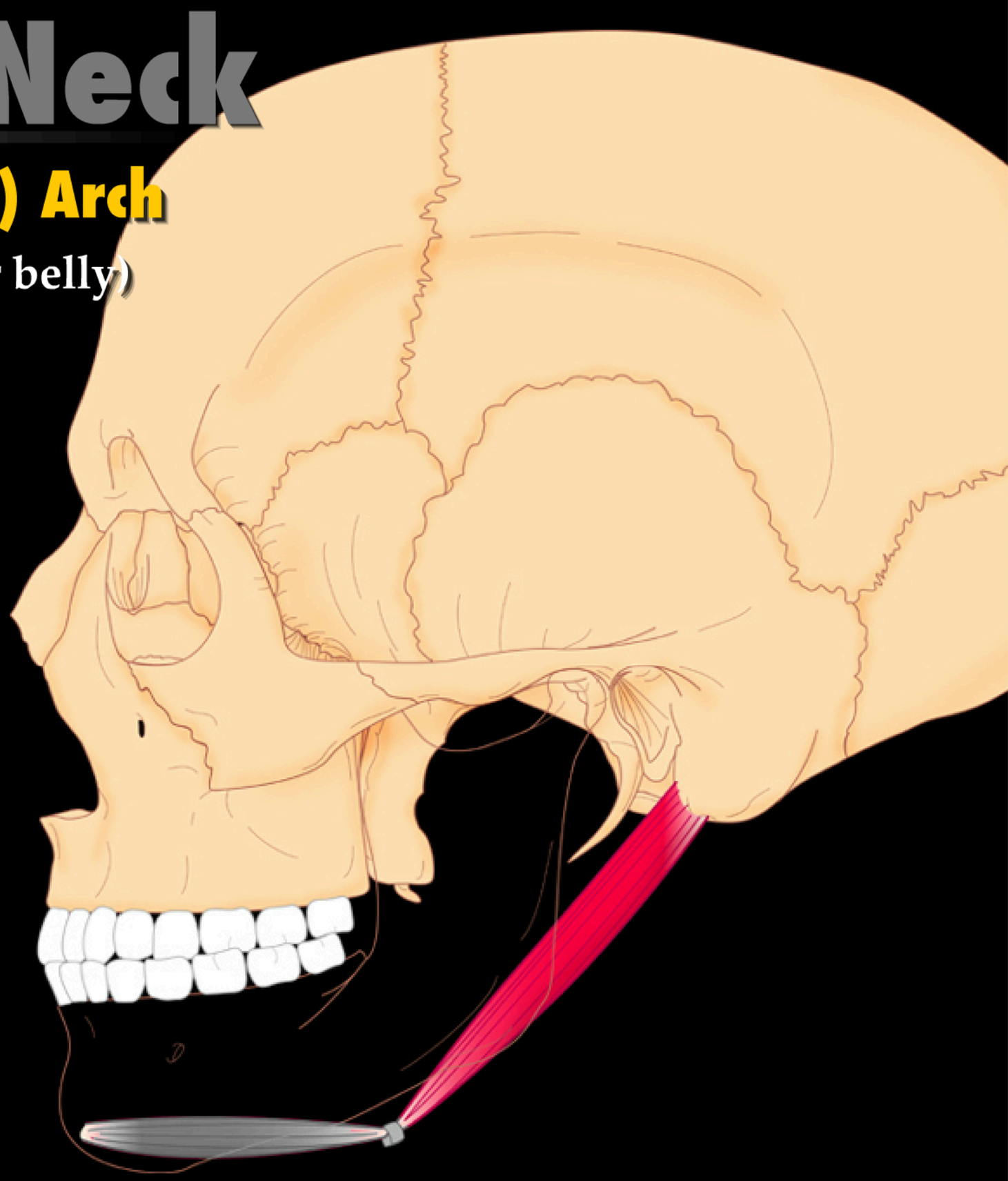


Head and Neck

Branchial Arch Muscles

Muscles of 2nd (Hyoid) Arch

Digastricus muscle (posterior belly)

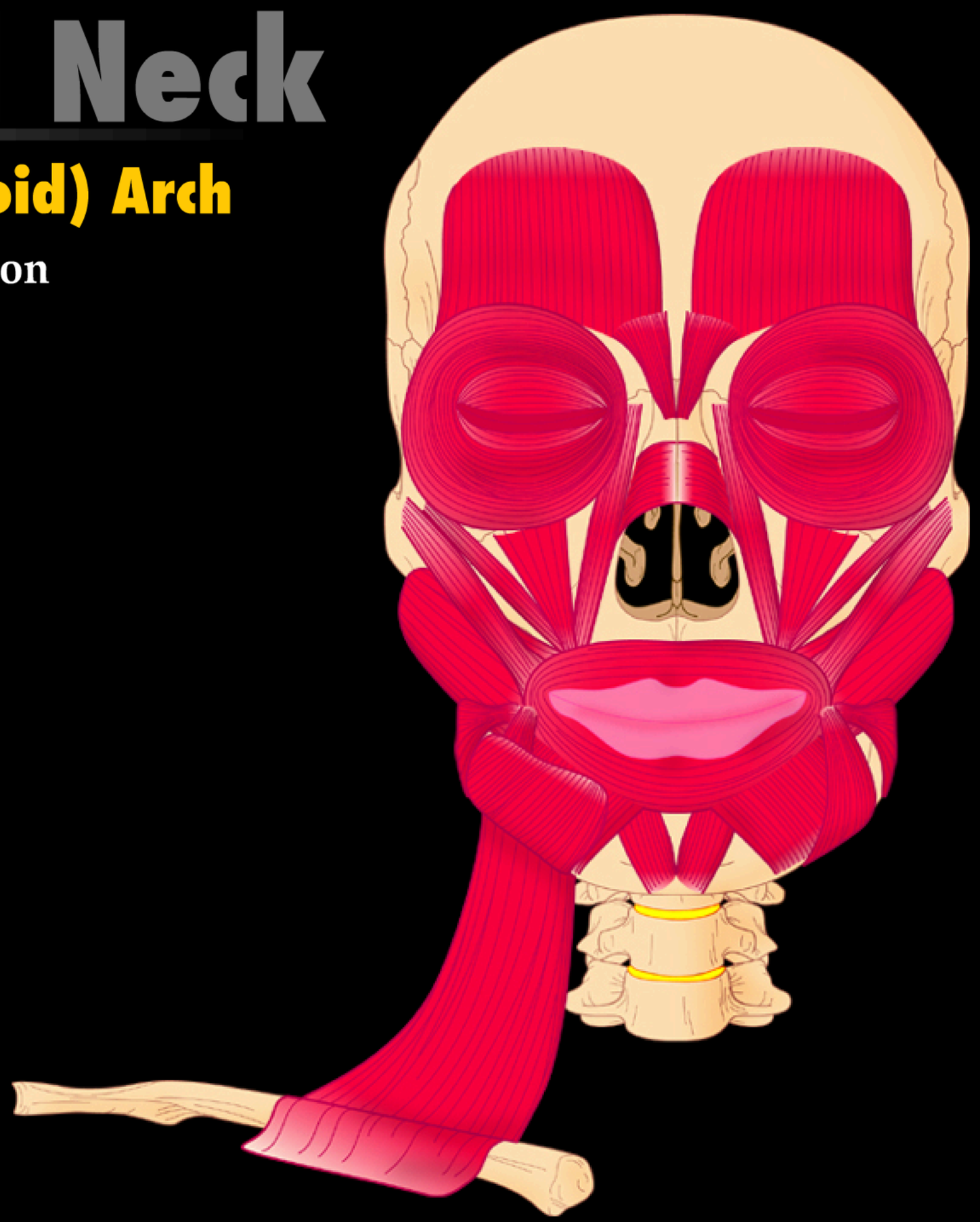


Head and Neck

Branchial Arch Muscles

Muscles of 2nd (Hyoid) Arch

Muscles of facial expression



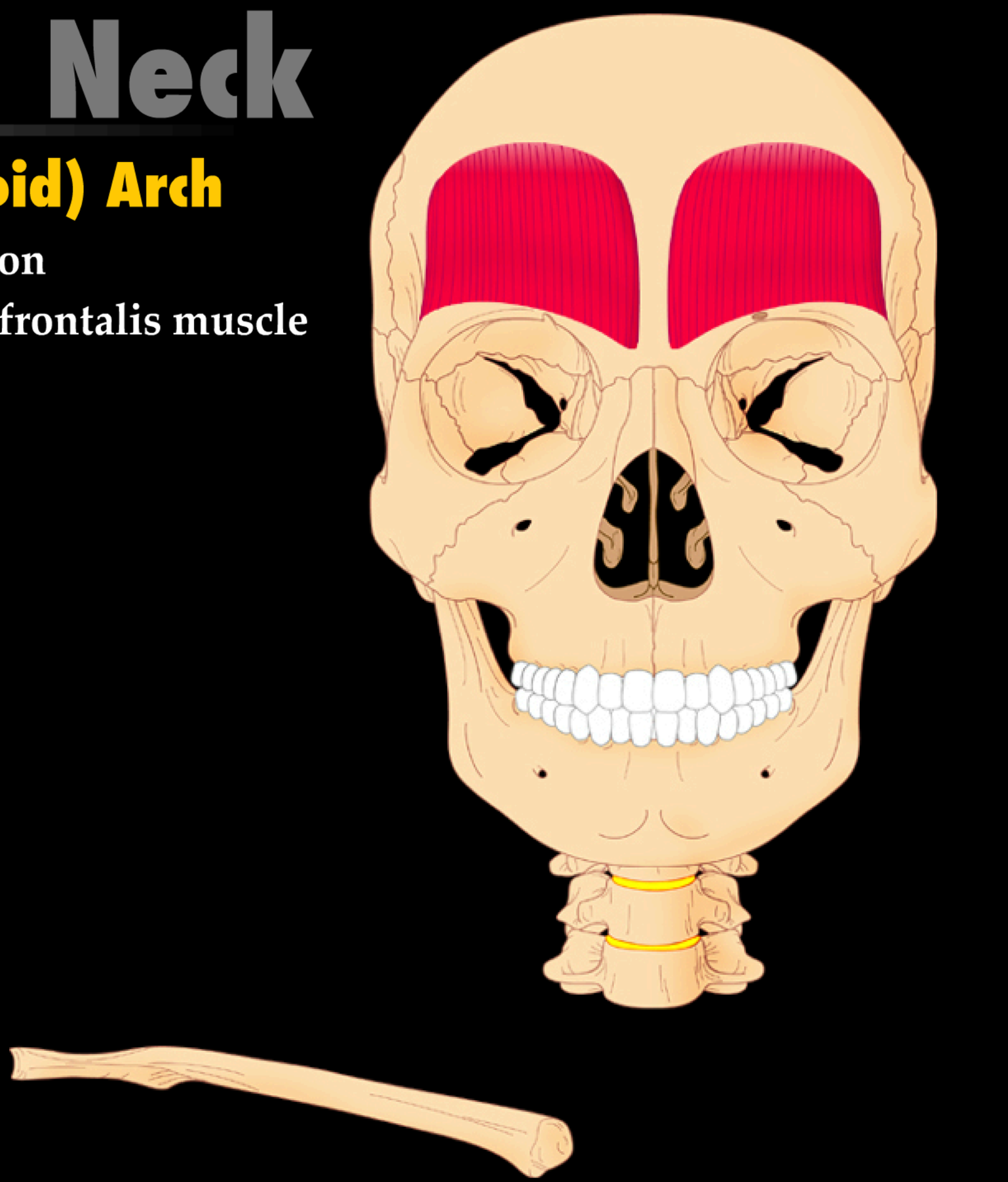
Head and Neck

Branchial Arch Muscles

Muscles of 2nd (Hyoid) Arch

Muscles of facial expression

Frontal belly of occipitofrontalis muscle



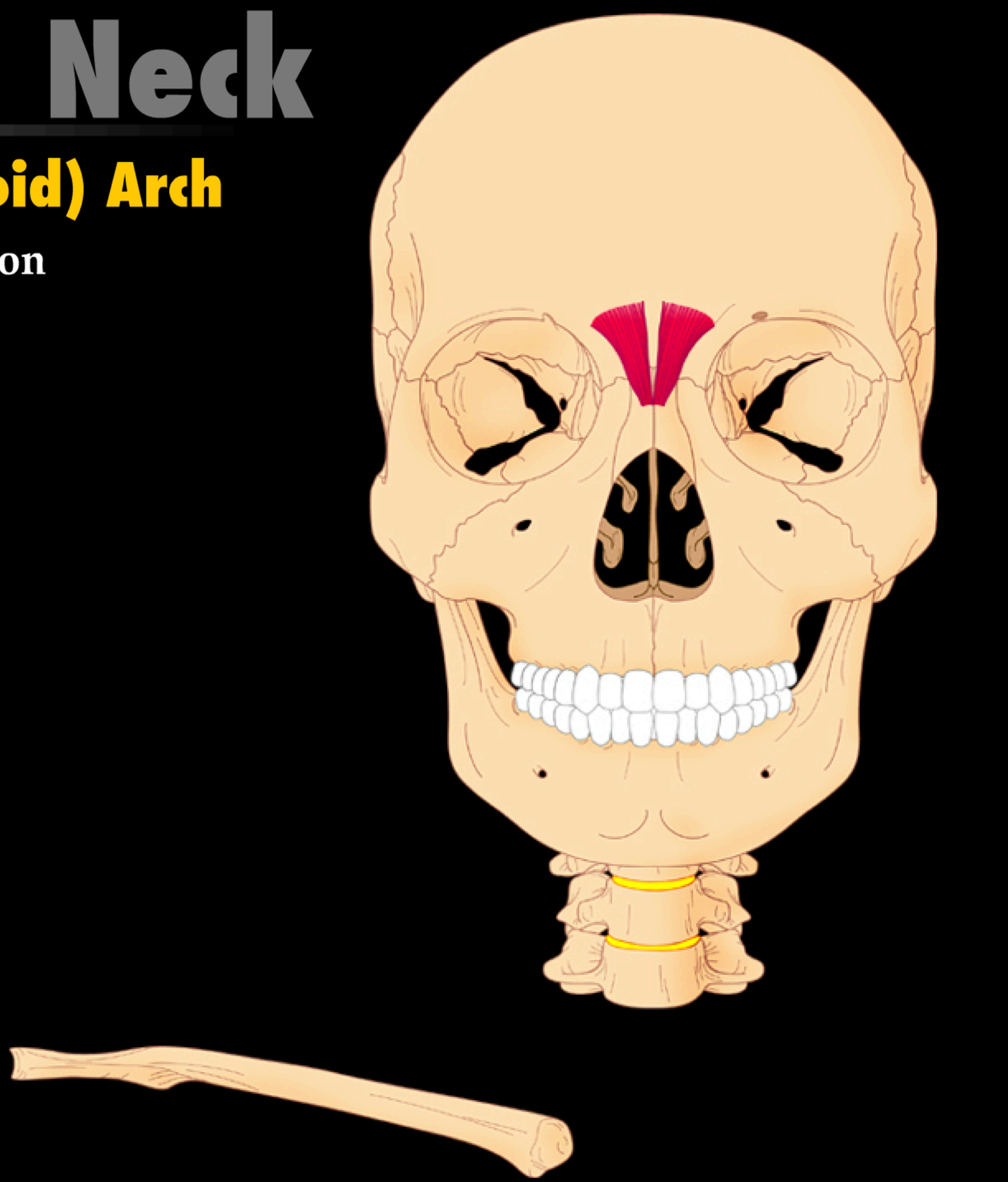
Head and Neck

Branchial Arch Muscles

Muscles of 2nd (Hyoid) Arch

Muscles of facial expression

Procerus muscle



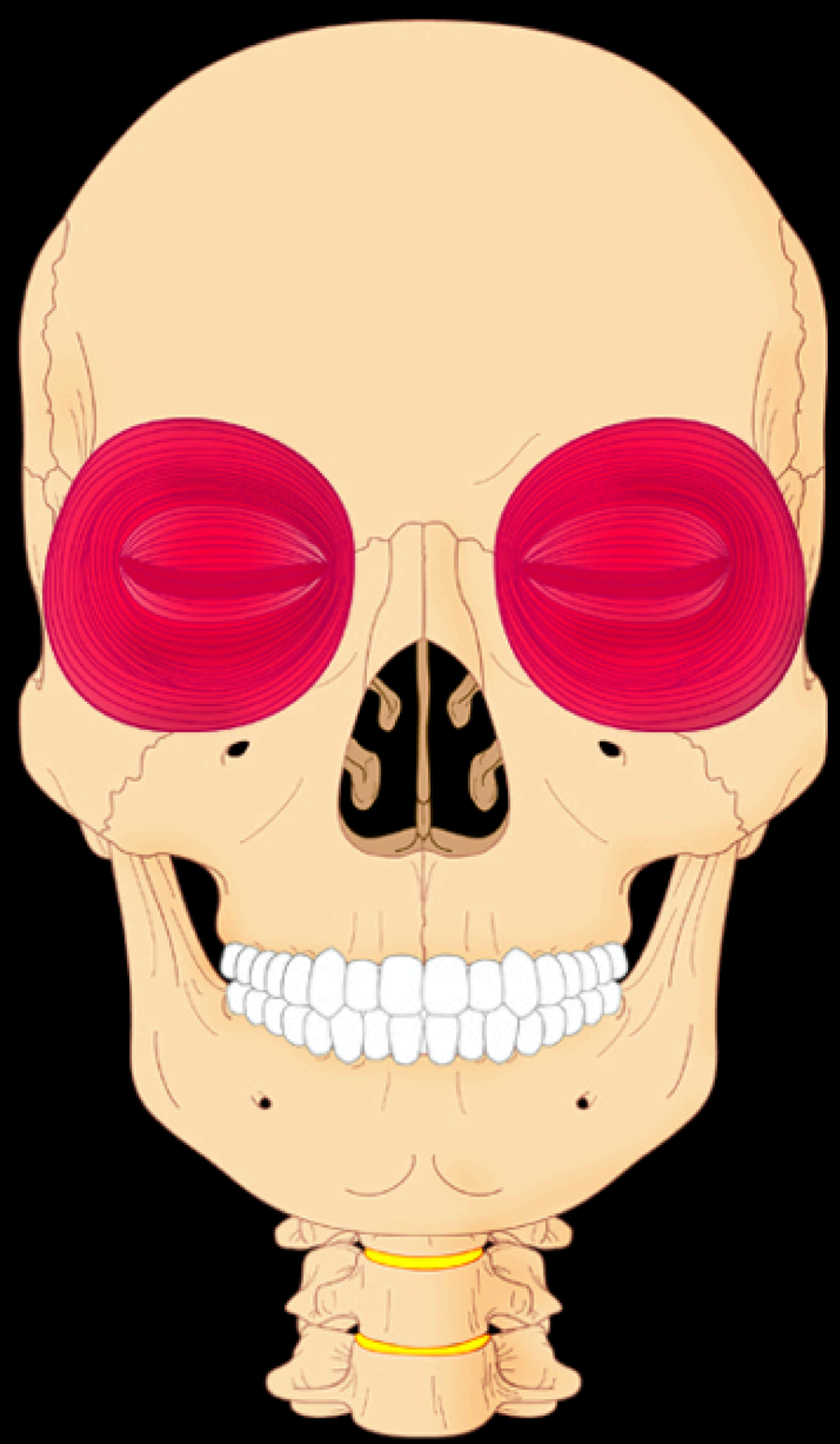
Head and Neck

Branchial Arch Muscles

Muscles of 2nd (Hyoid) Arch

Muscles of facial expression

Orbicularis oculi muscle





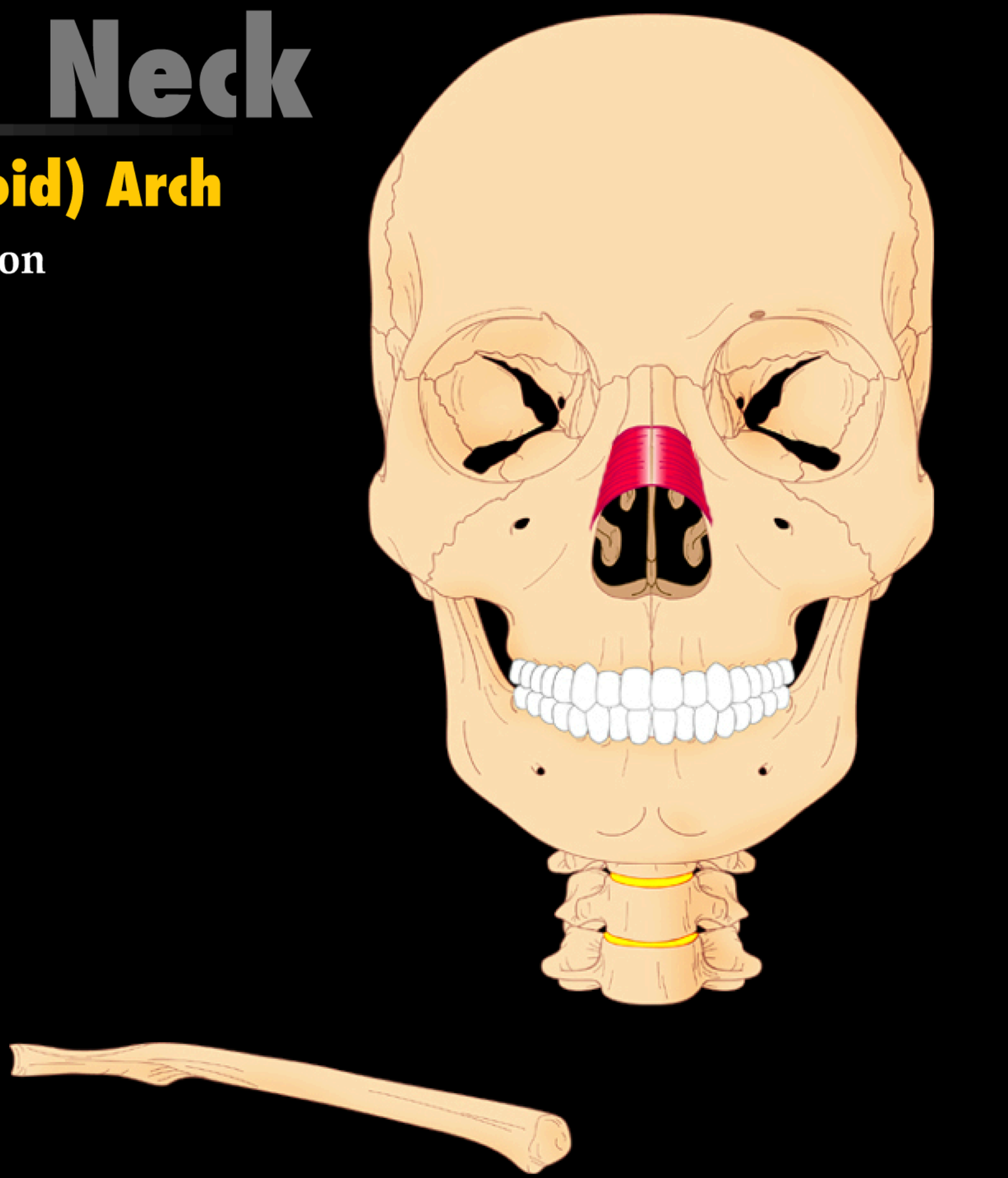
Head and Neck

Branchial Arch Muscles

Muscles of 2nd (Hyoid) Arch

Muscles of facial expression

Nasalis muscle



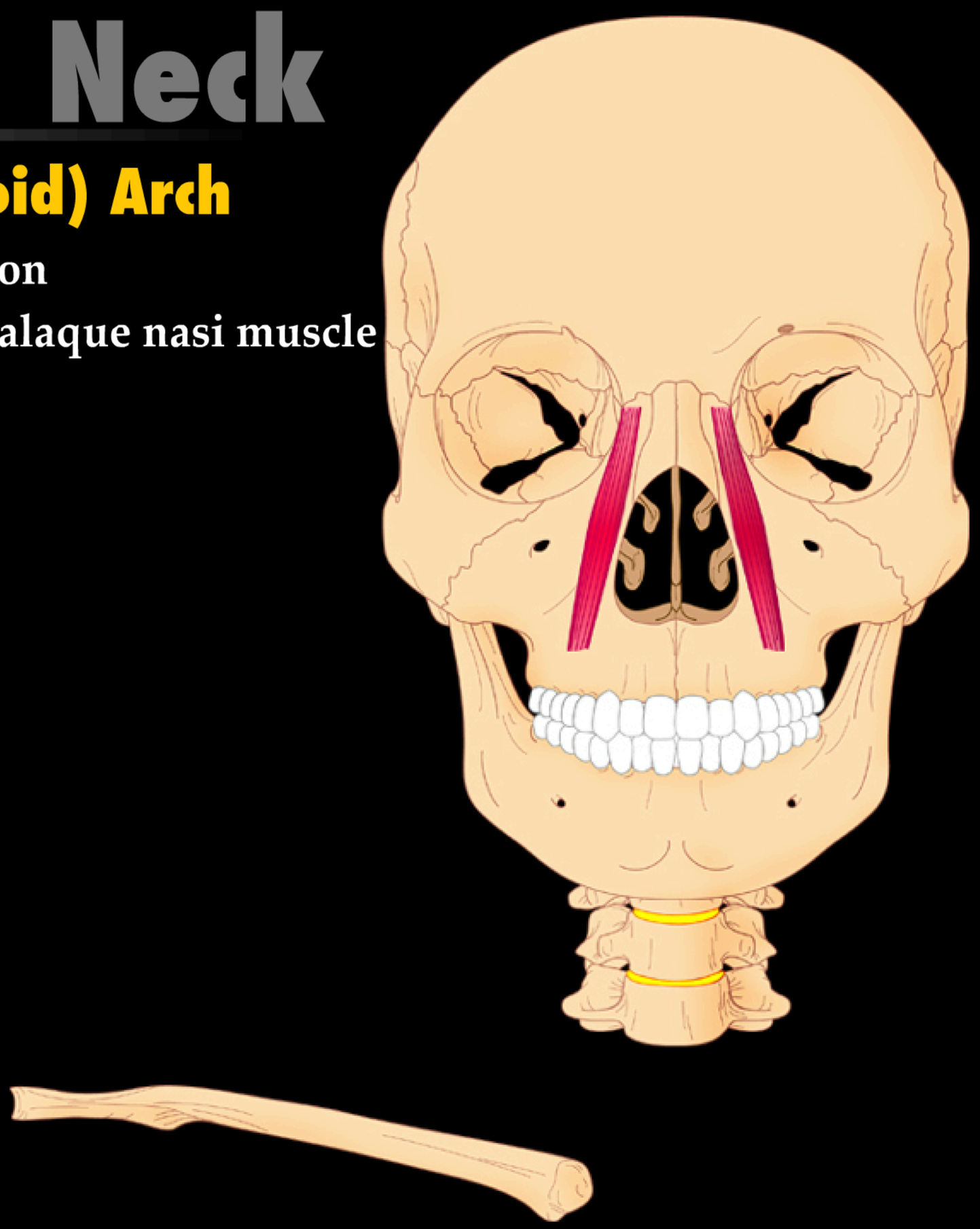
Head and Neck

Branchial Arch Muscles

Muscles of 2nd (Hyoid) Arch

Muscles of facial expression

Levator labii superioris alaque nasi muscle



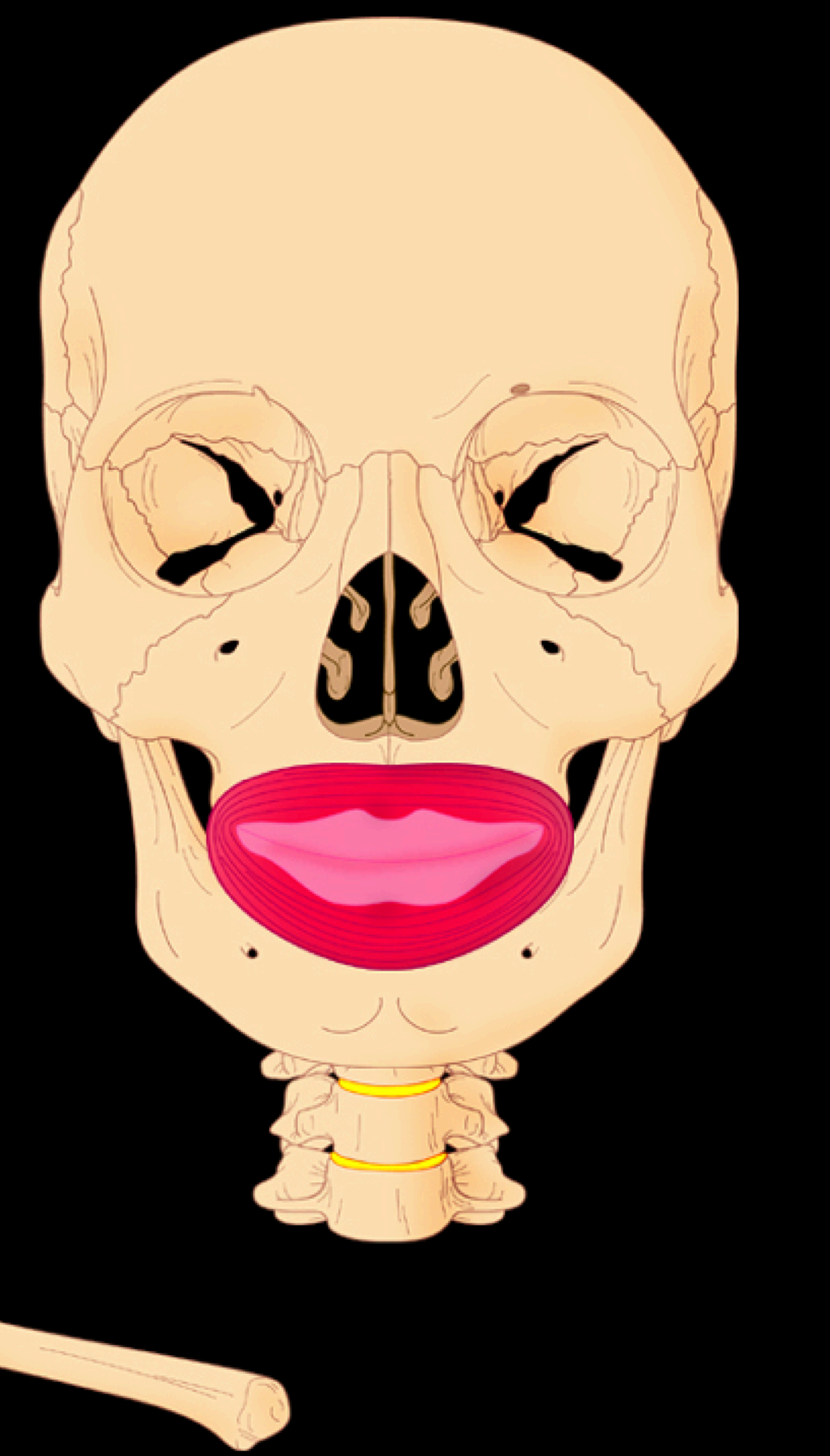
Head and Neck

Branchial Arch Muscles

Muscles of 2nd (Hyoid) Arch

Muscles of facial expression

Orbicularis oris muscle



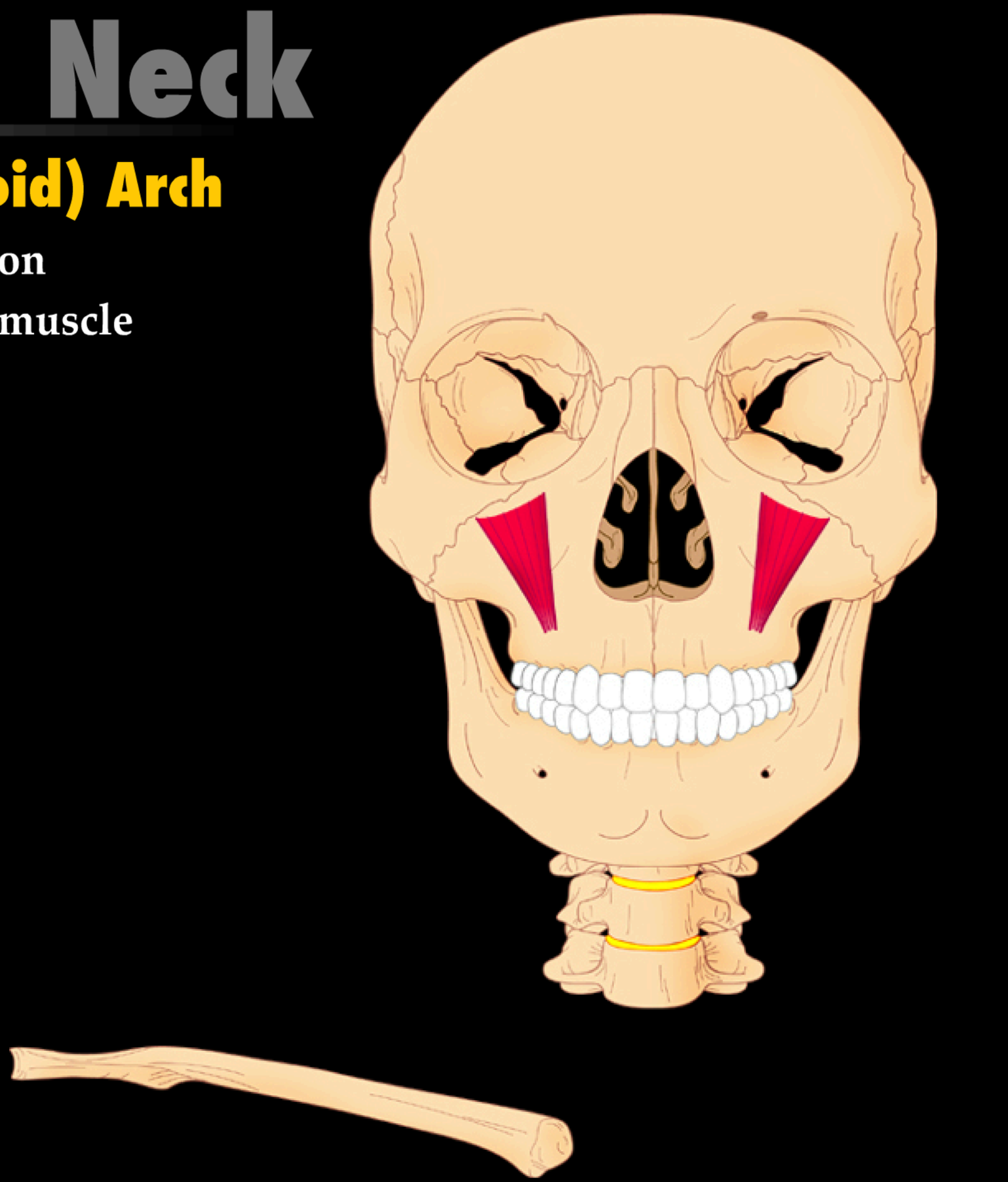
Head and Neck

Branchial Arch Muscles

Muscles of 2nd (Hyoid) Arch

Muscles of facial expression

Levator labii superioris muscle



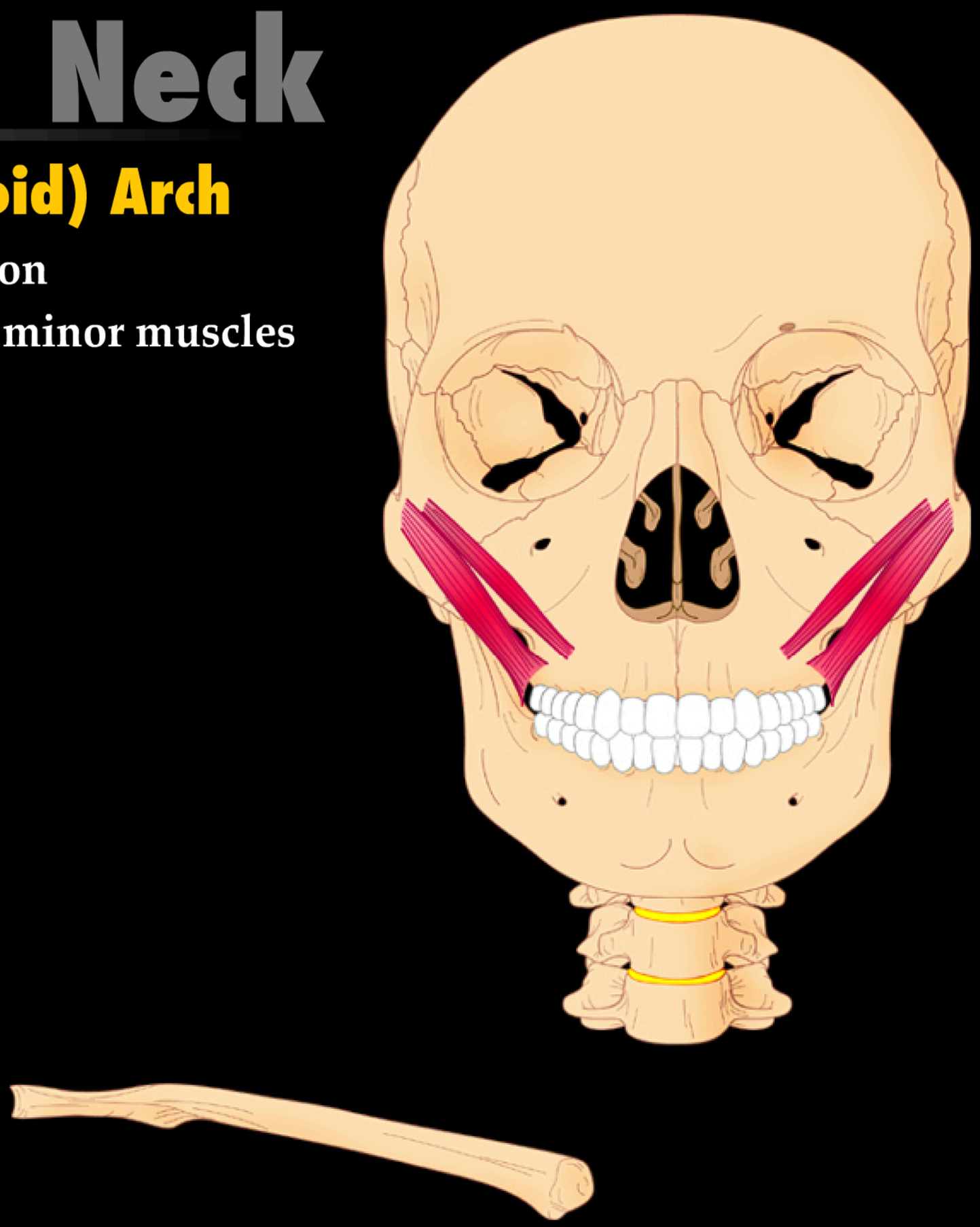
Head and Neck

Branchial Arch Muscles

Muscles of 2nd (Hyoid) Arch

Muscles of facial expression

Zygomaticus major and minor muscles



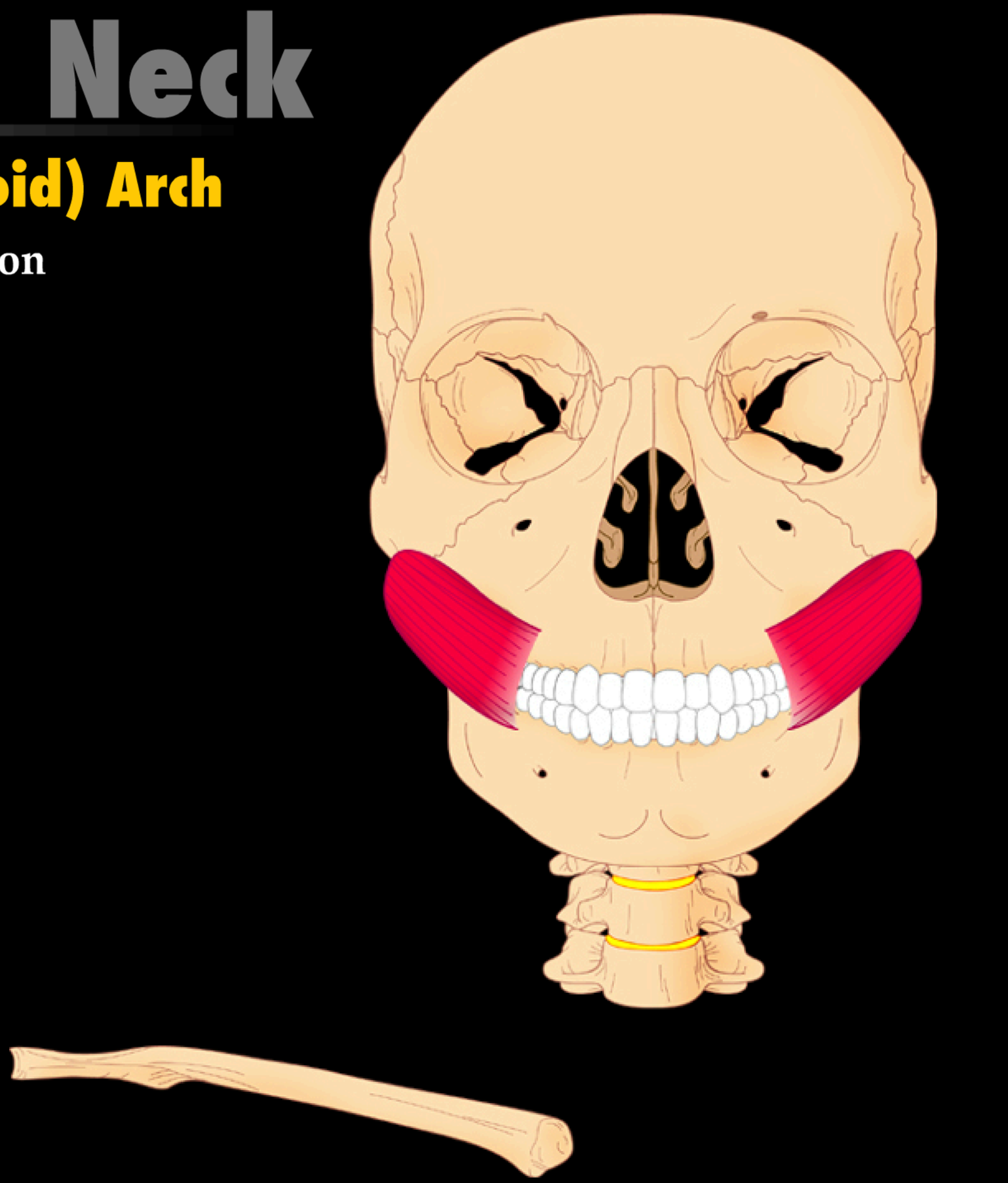
Head and Neck

Branchial Arch Muscles

Muscles of 2nd (Hyoid) Arch

Muscles of facial expression

Buccinator muscle



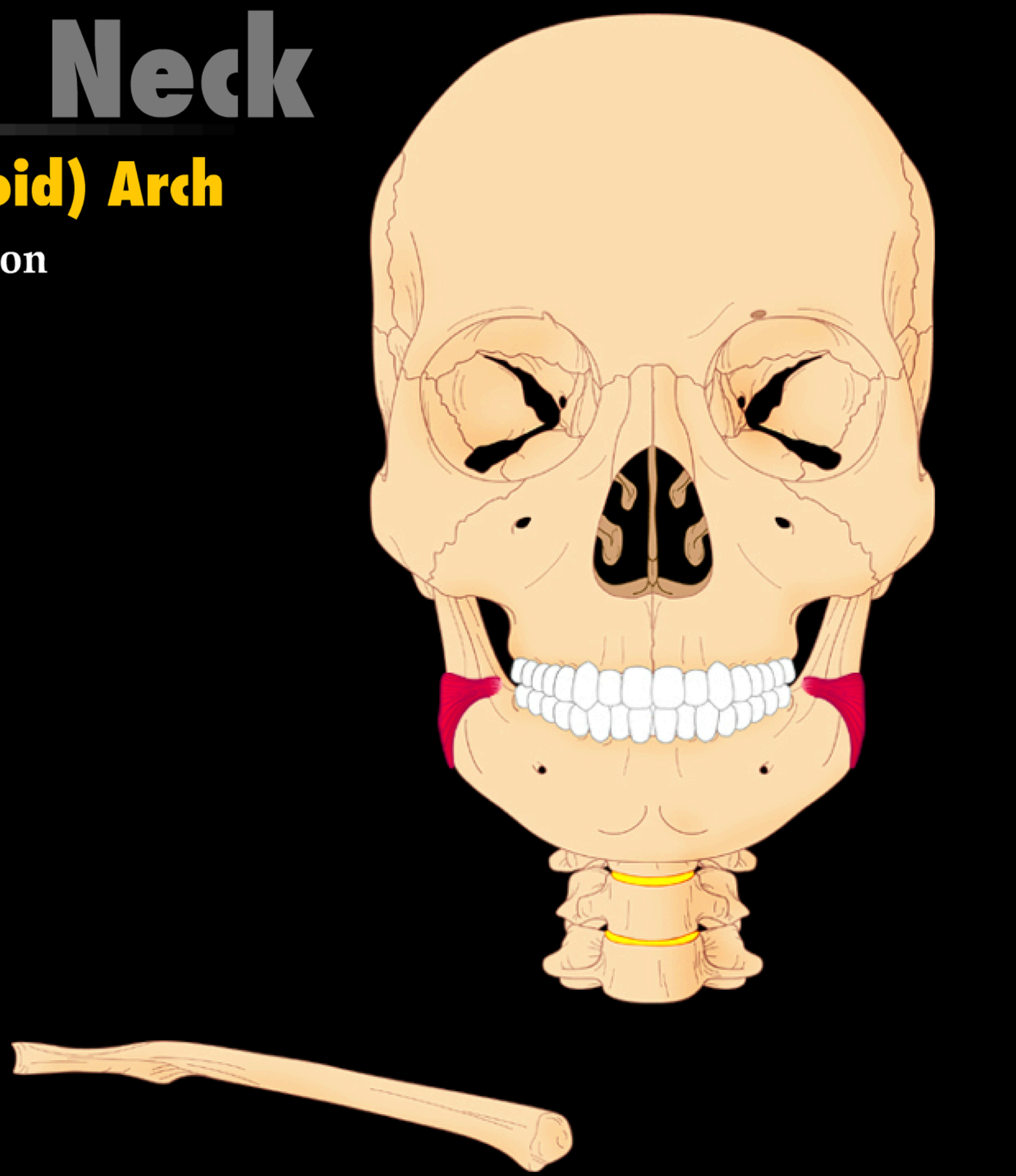
Head and Neck

Branchial Arch Muscles

Muscles of 2nd (Hyoid) Arch

Muscles of facial expression

Risorius muscle



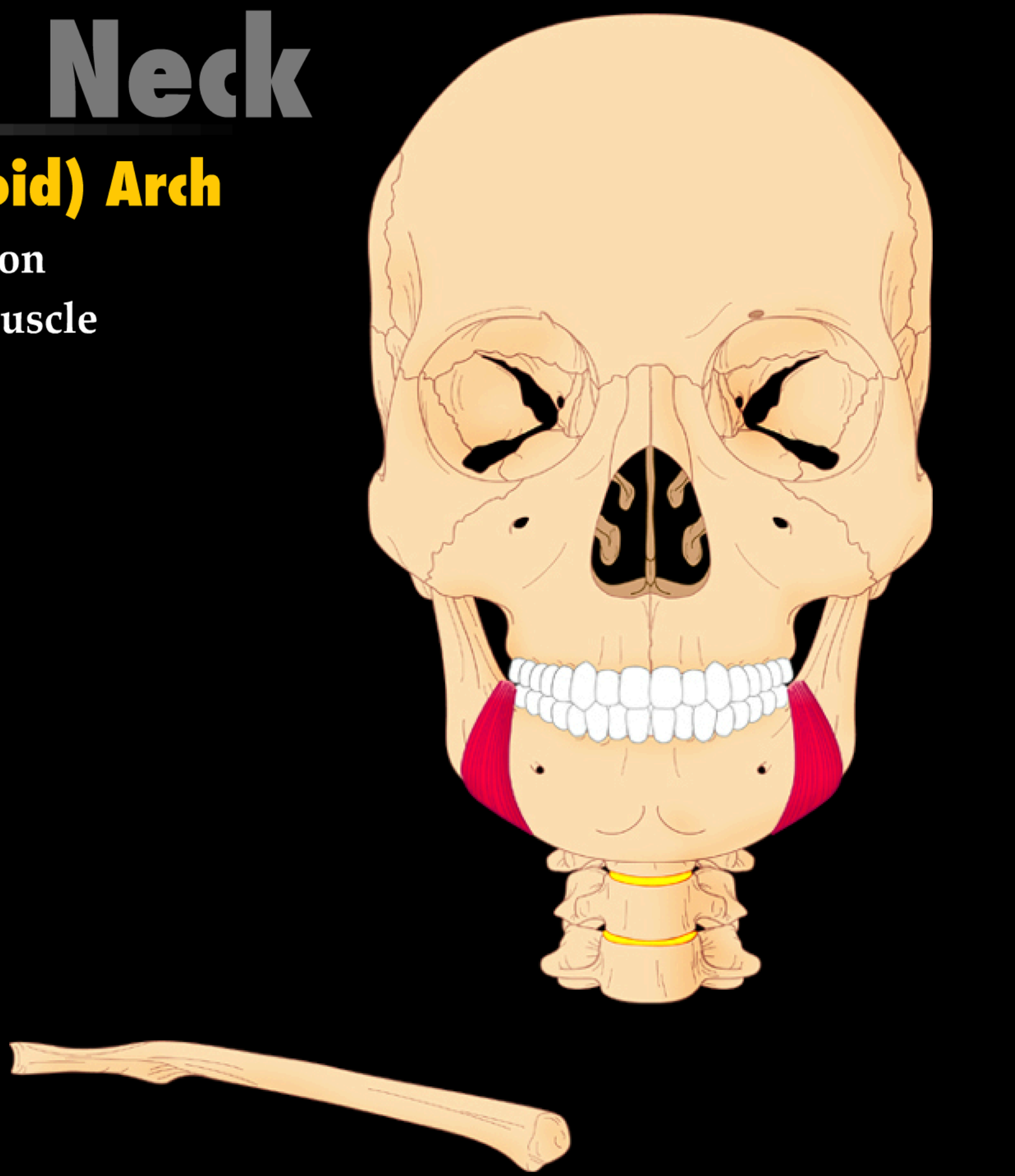
Head and Neck

Branchial Arch Muscles

Muscles of 2nd (Hyoid) Arch

Muscles of facial expression

Depressor anguli oris muscle



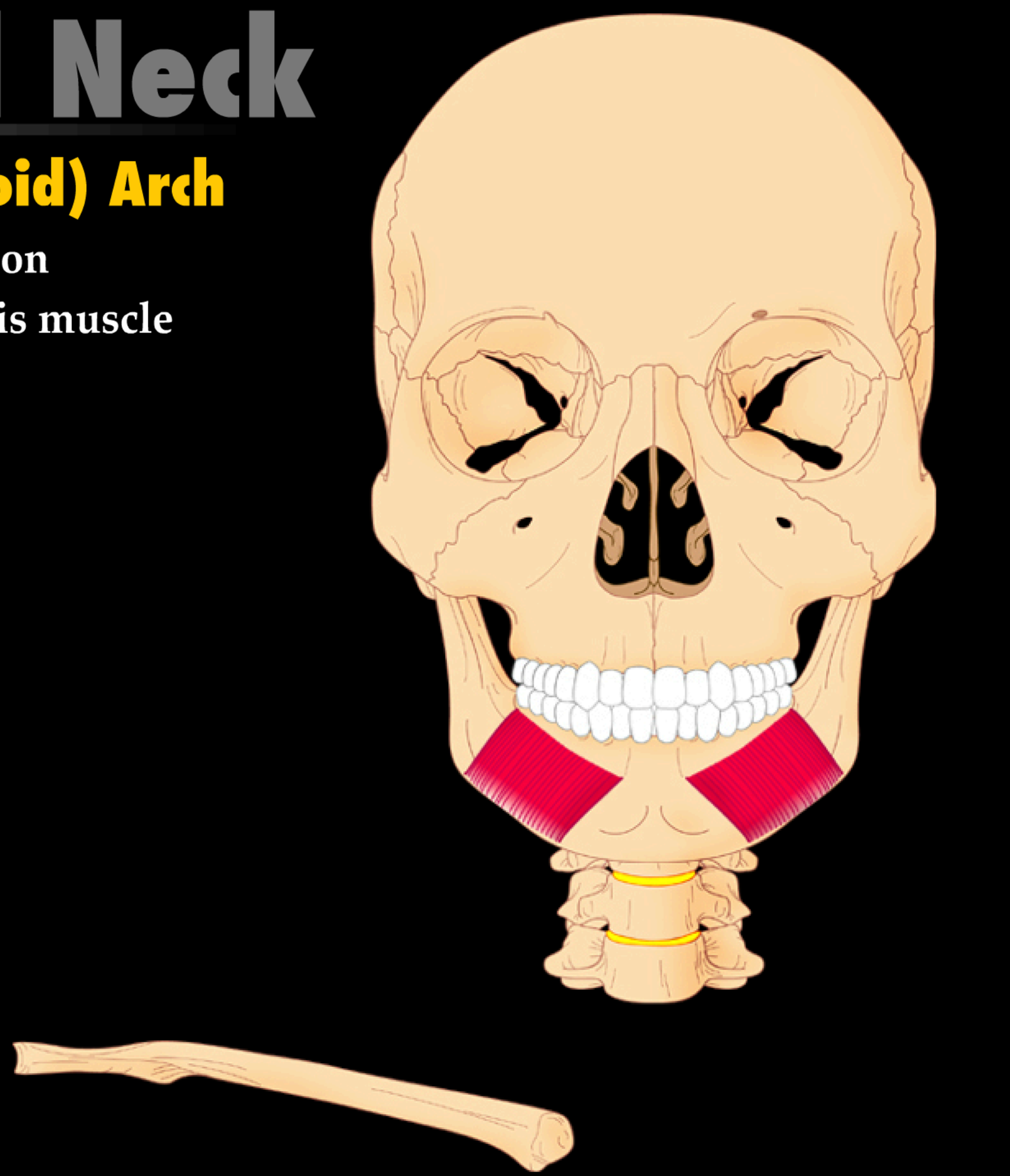
Head and Neck

Branchial Arch Muscles

Muscles of 2nd (Hyoid) Arch

Muscles of facial expression

Depressor labii inferioris muscle



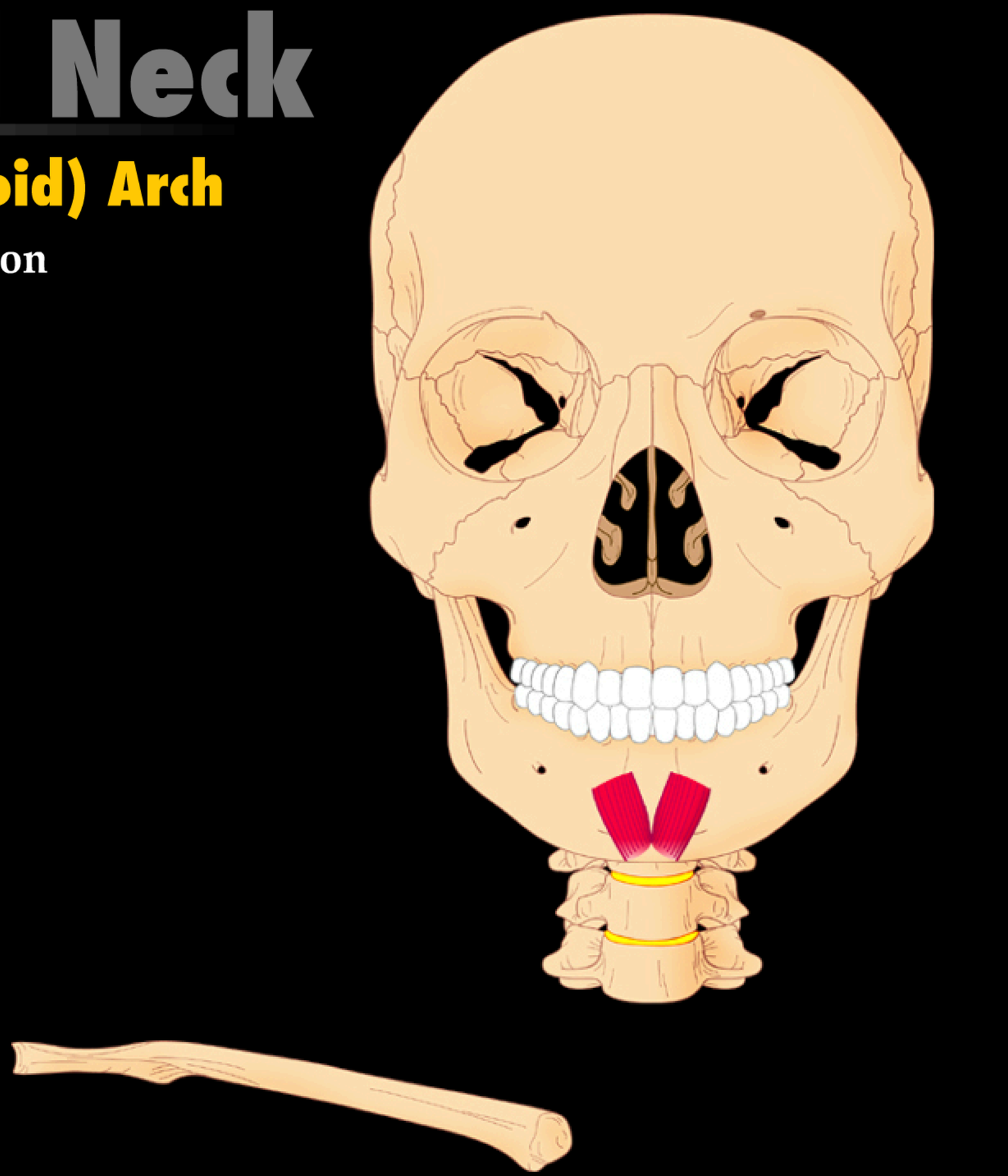
Head and Neck

Branchial Arch Muscles

Muscles of 2nd (Hyoid) Arch

Muscles of facial expression

Mentalis muscle



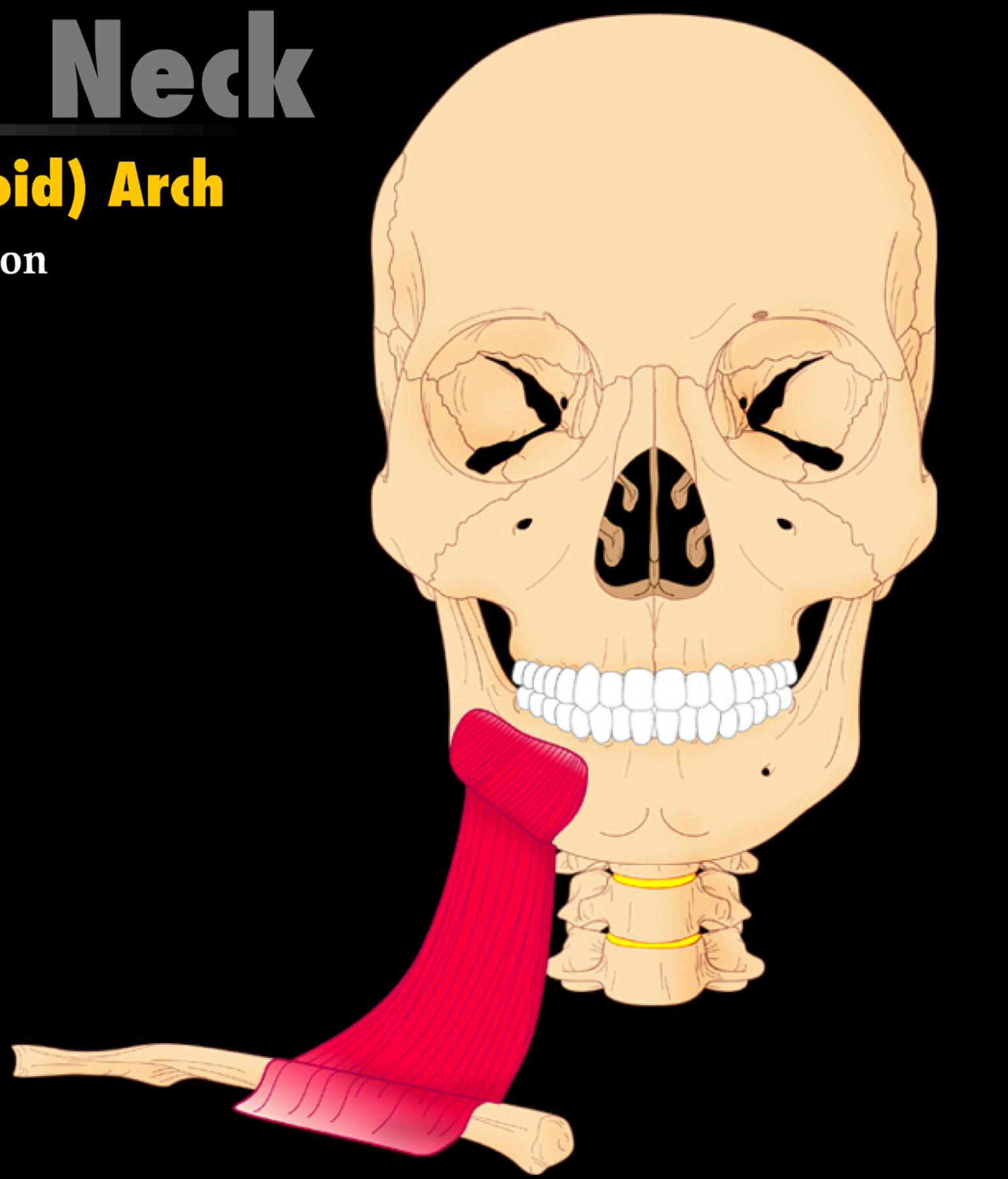
Head and Neck

Branchial Arch Muscles

Muscles of 2nd (Hyoid) Arch

Muscles of facial expression

Platysma muscle

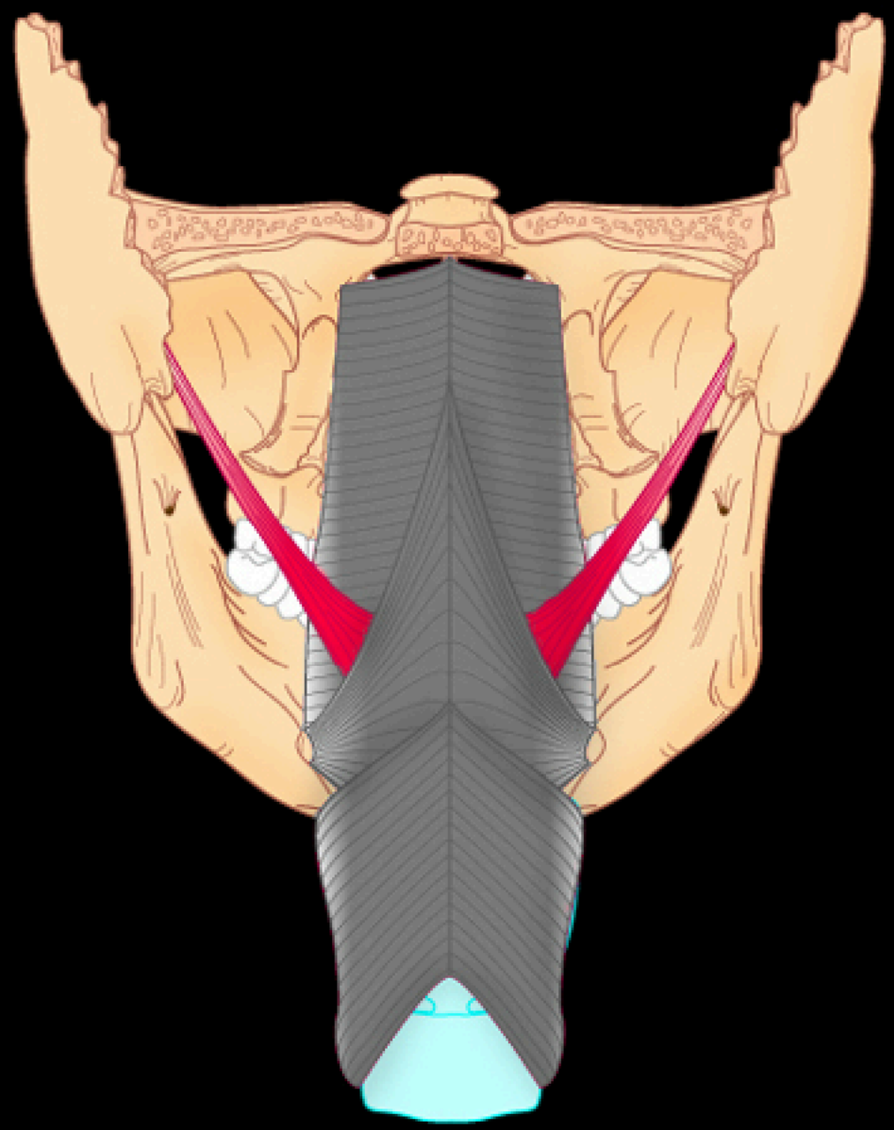


Head and Neck

Branchial Arch Muscles

Muscles of 3rd Arch

Stylopharyngeus muscle

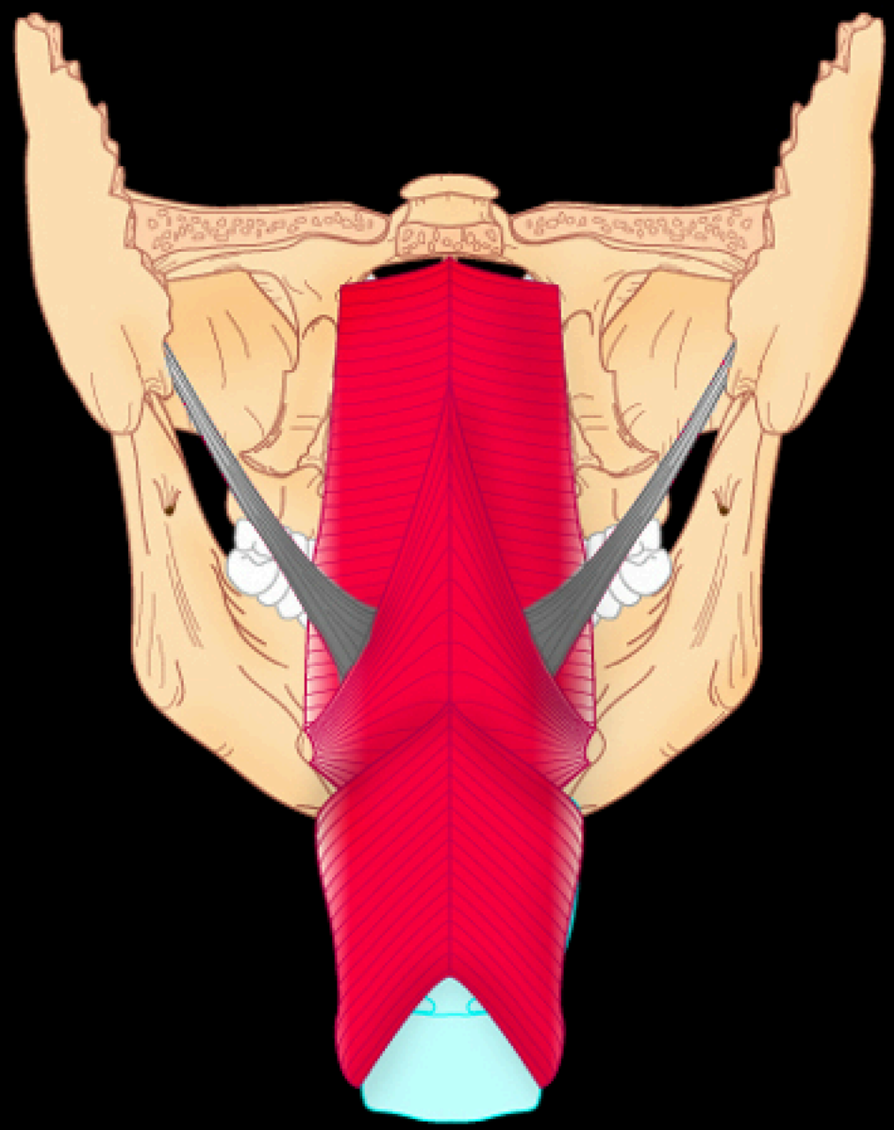


Head and Neck

Branchial Arch Muscles

Muscles of 4th Arch

Pharyngeal muscles

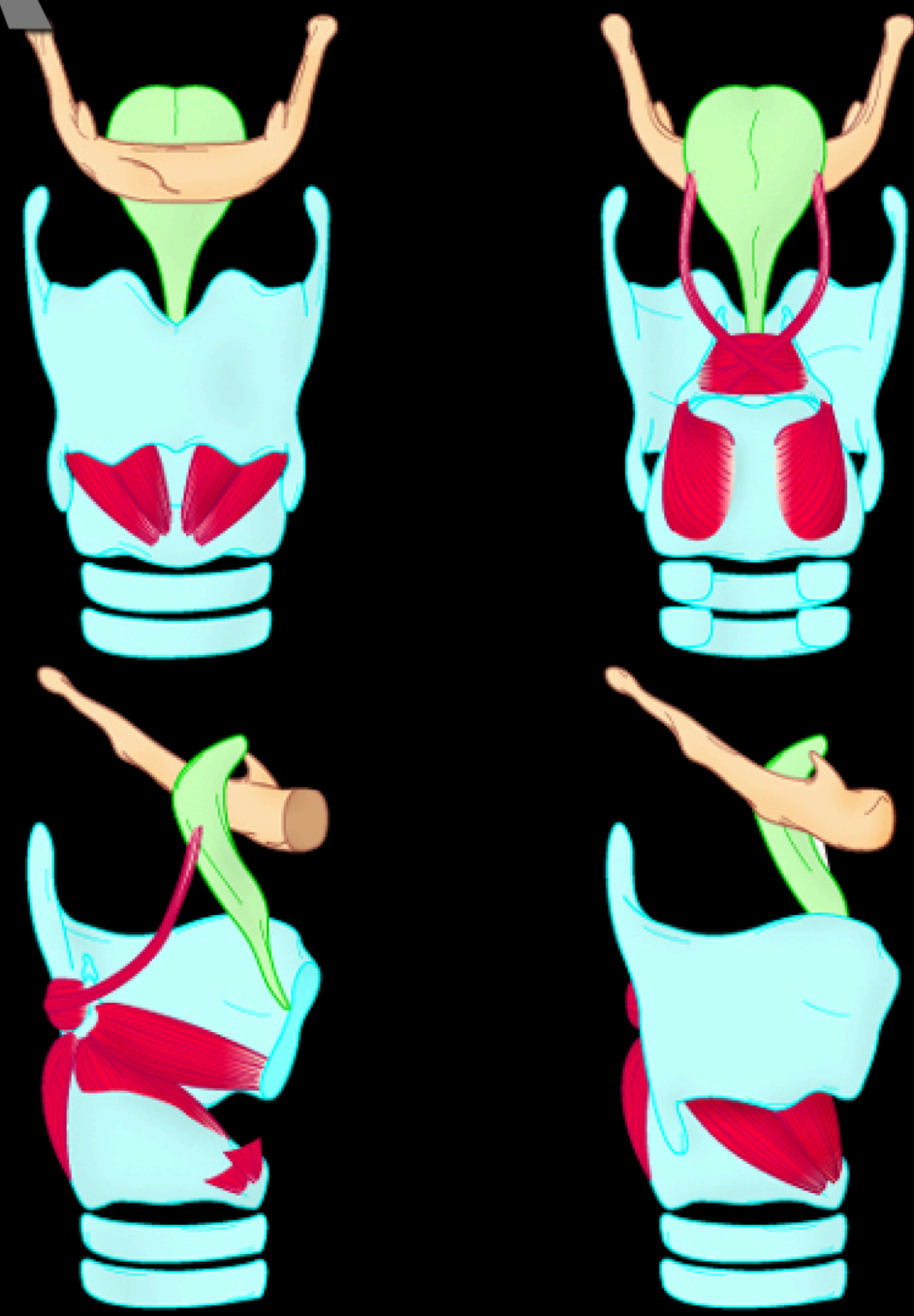


Head and Neck

Branchial Arch Muscles

Muscles of 6th Arch

Laryngeal muscles

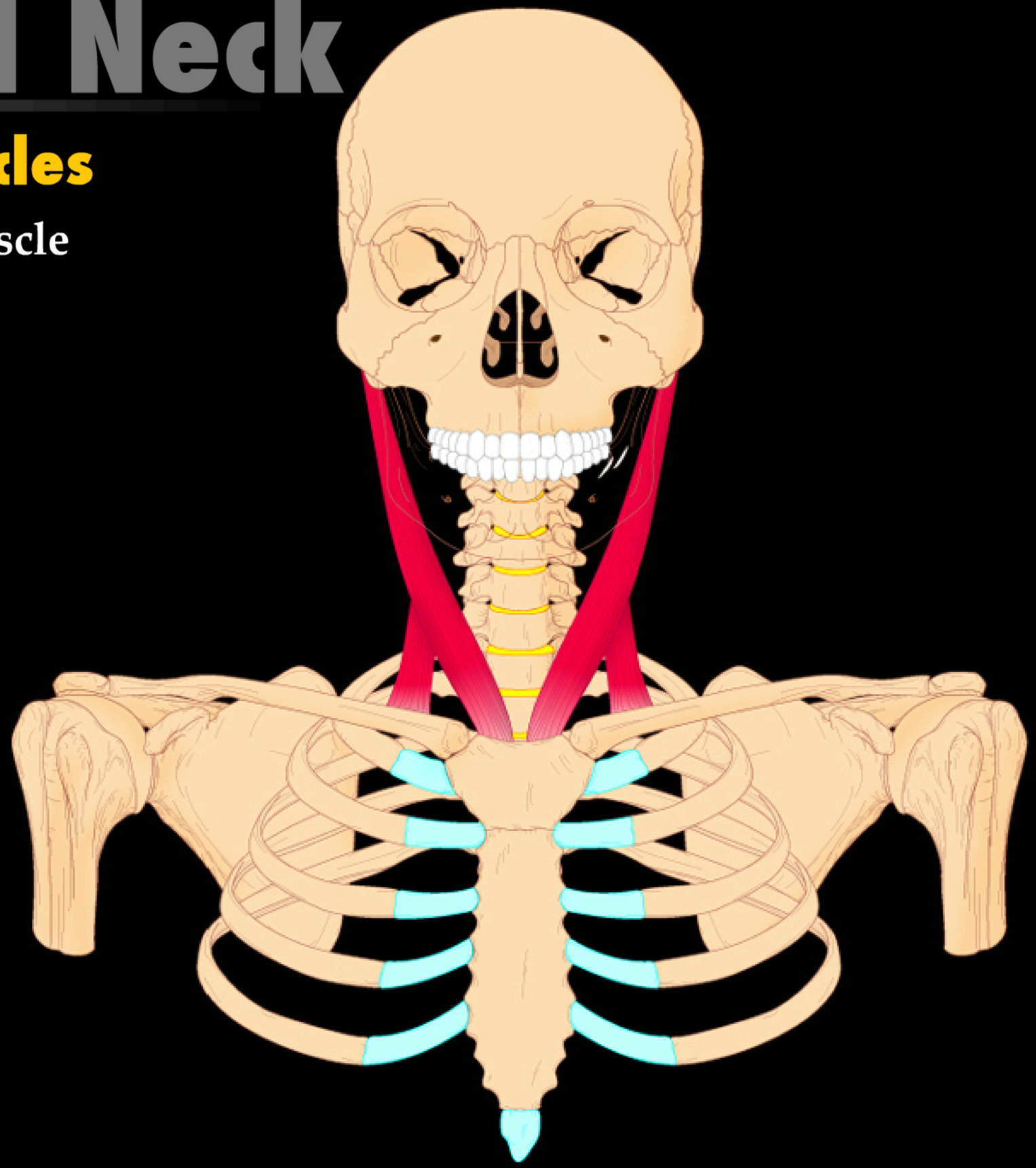


Head and Neck

Branchial Arch Muscles

Posterior Arch Muscles

Sternocleidomastoid muscle

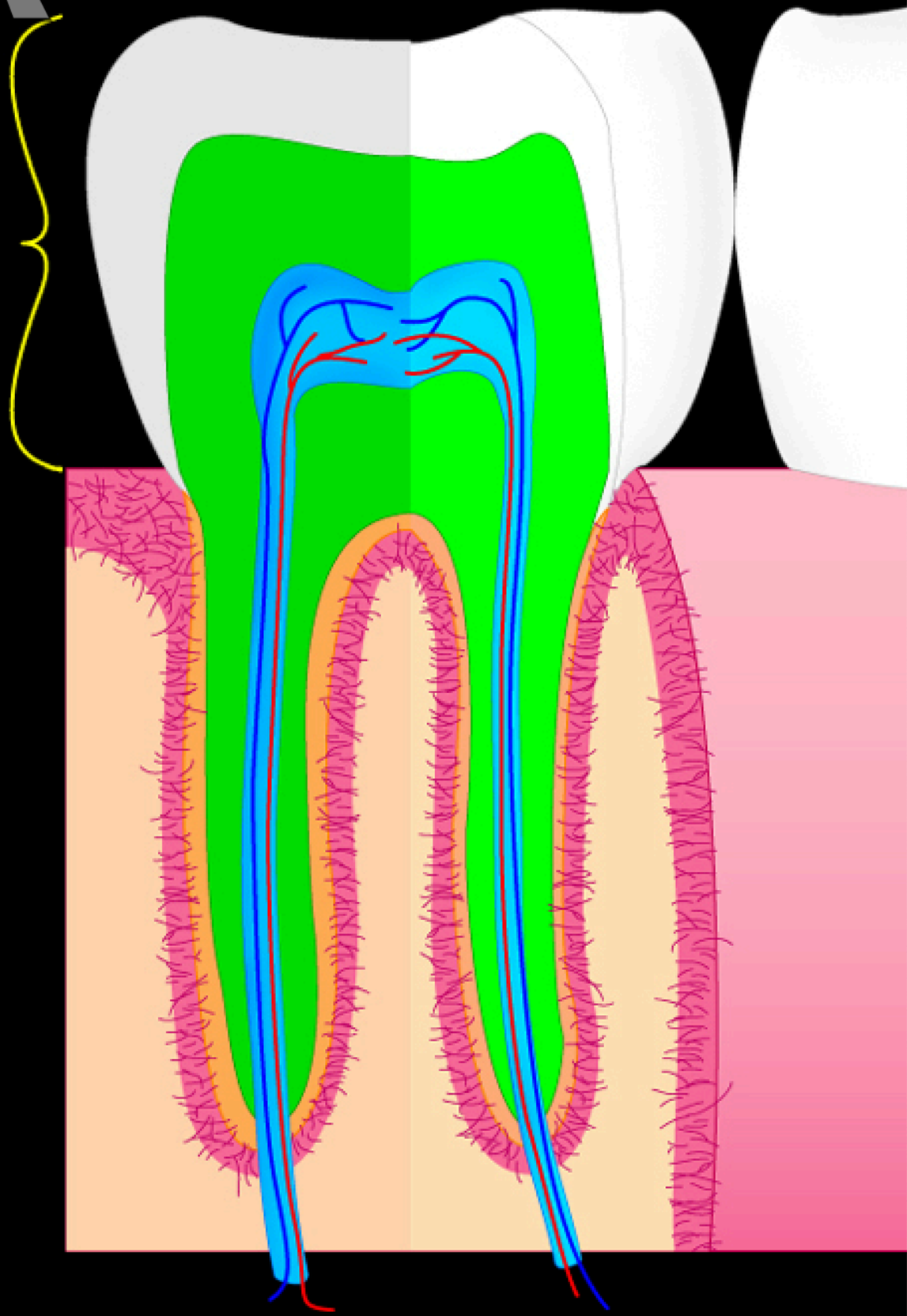


Anatomy of the Mouth

Teeth

Parts of the tooth

Crown



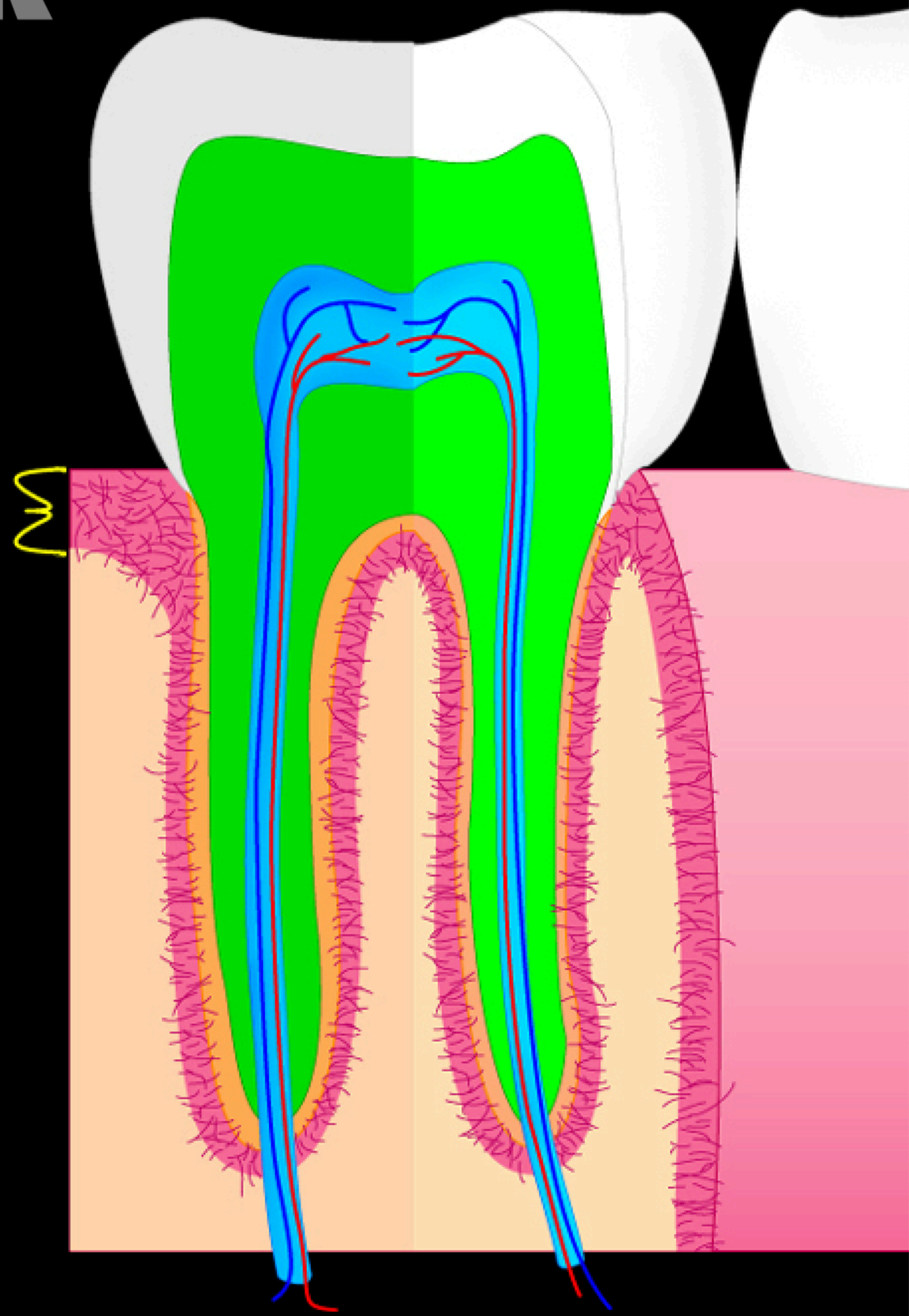
Head and Neck

Anatomy of the Mouth

Teeth

Parts of the tooth

Neck



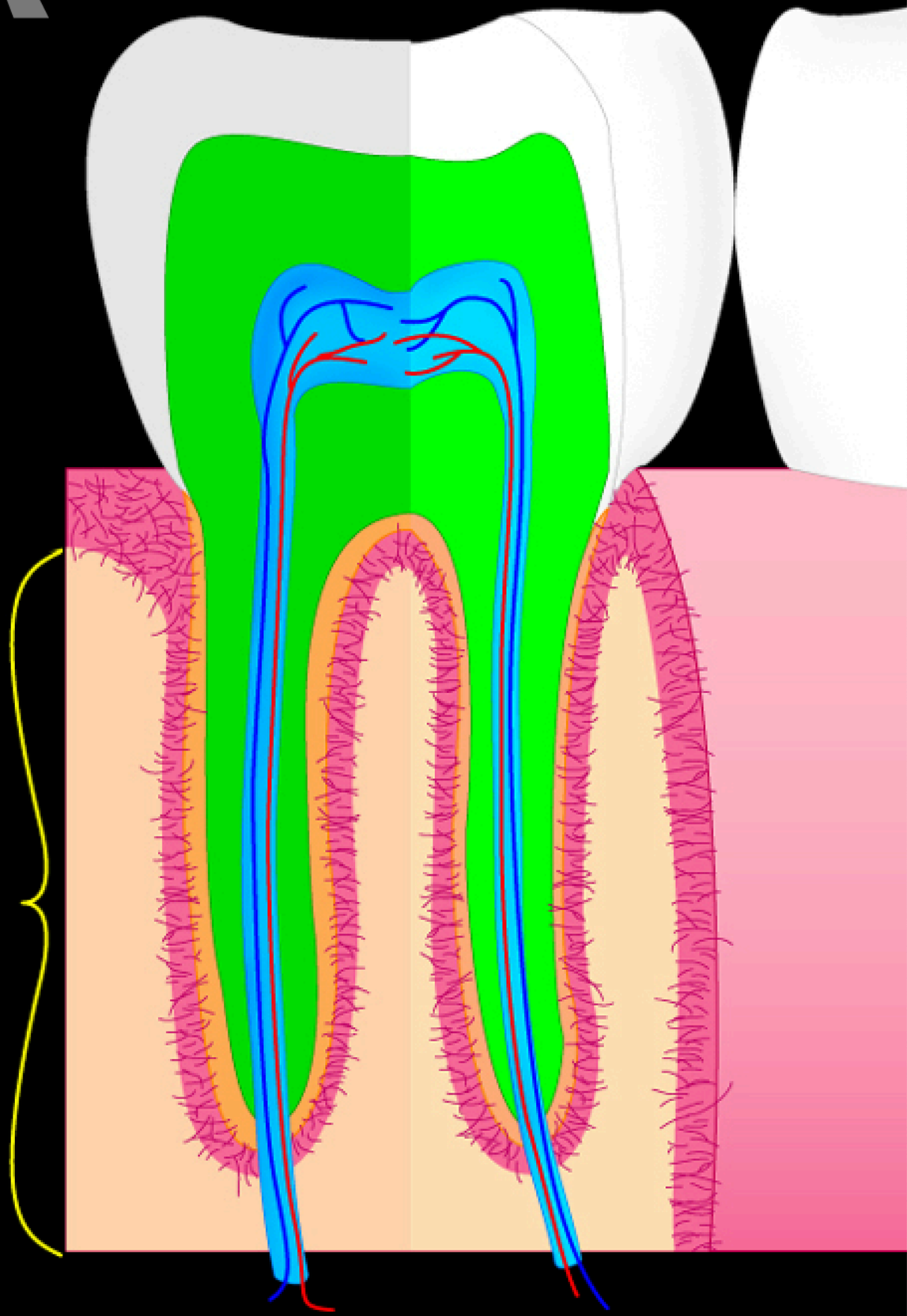
Head and Neck

Anatomy of the Mouth

Teeth

Parts of the tooth

Root

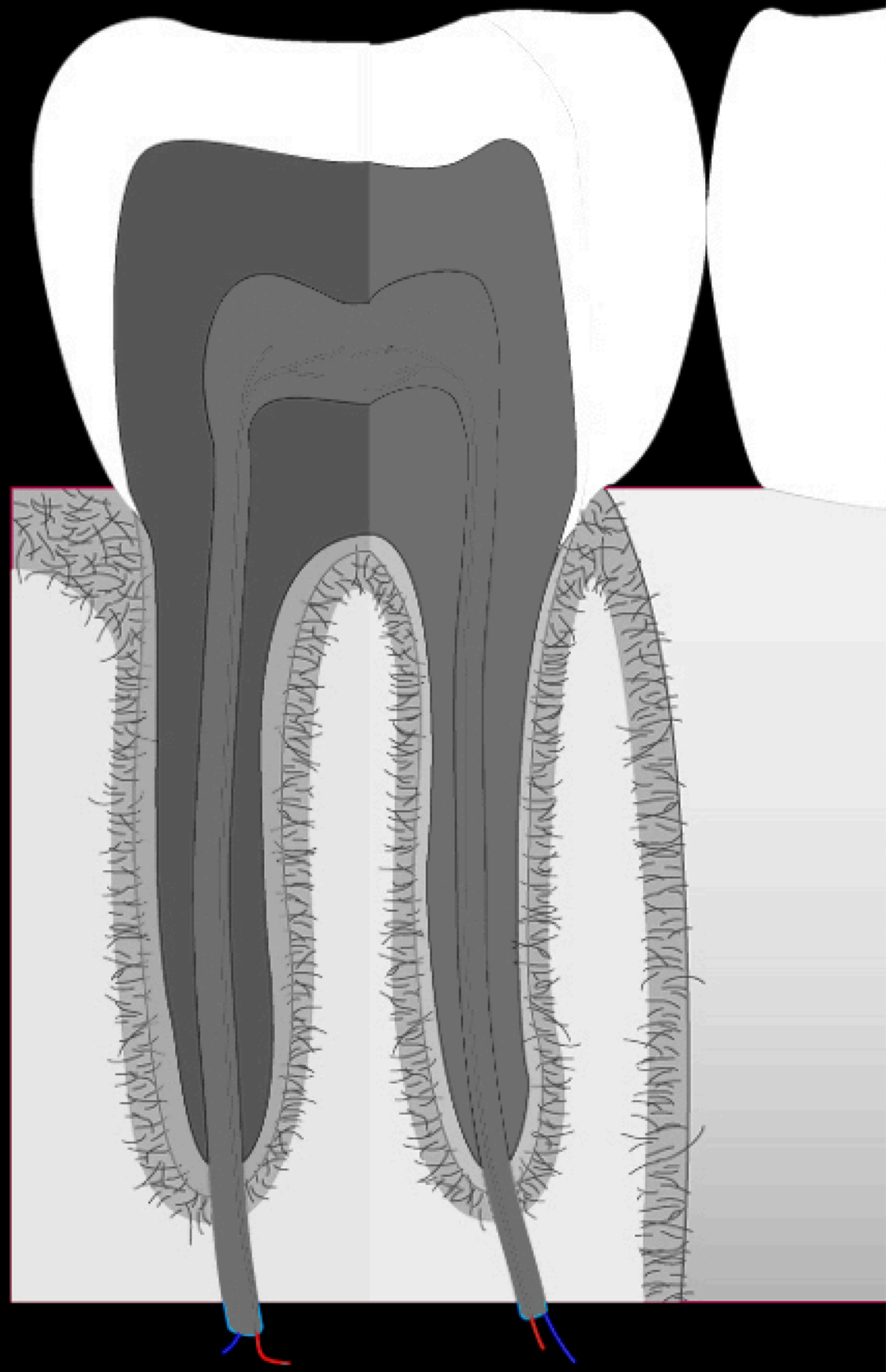


Head and Neck

Anatomy of the Mouth

Teeth

Histology of the tooth



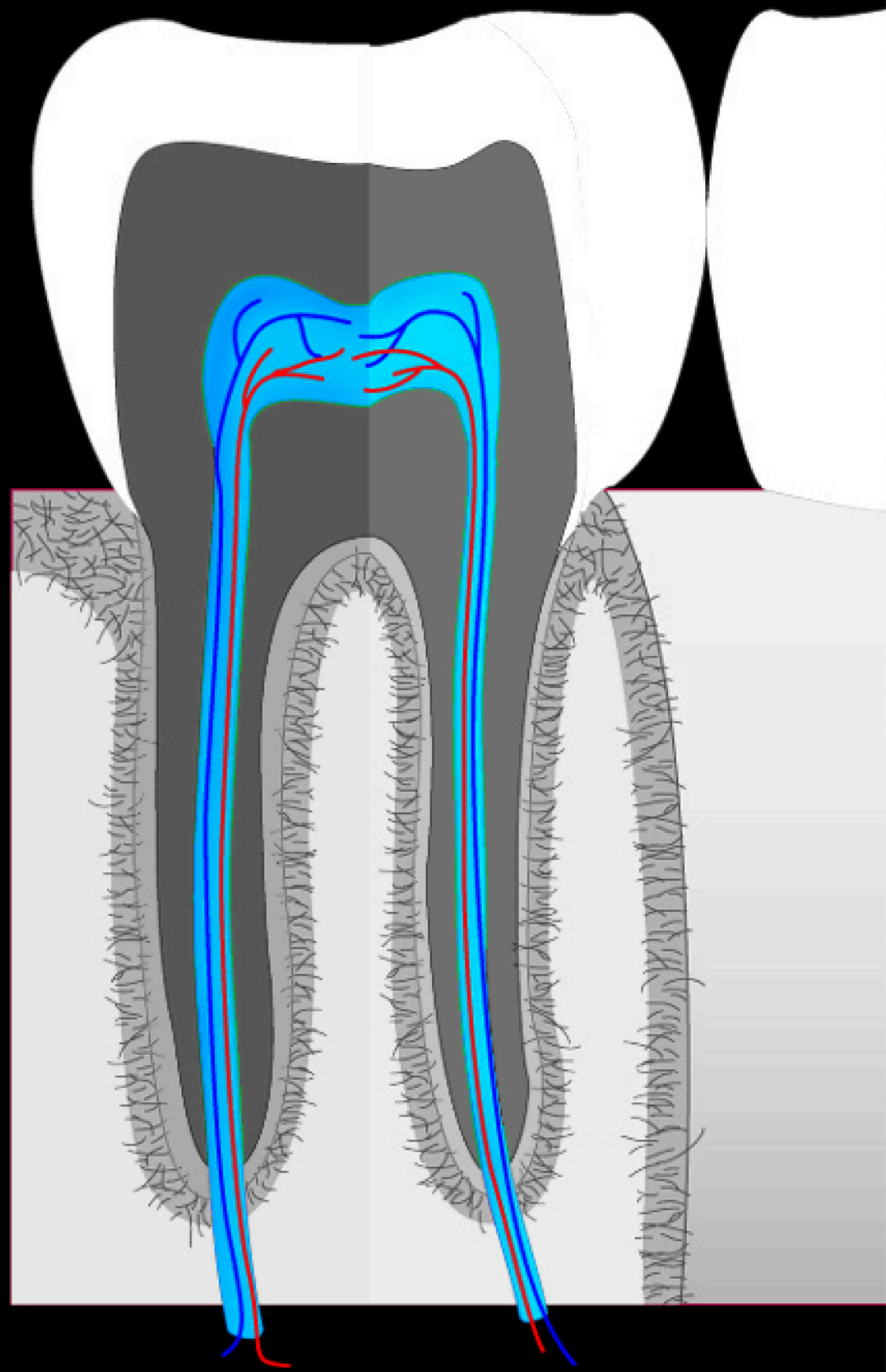
Head and Neck

Anatomy of the Mouth

Teeth

Histology of the tooth

Pulp



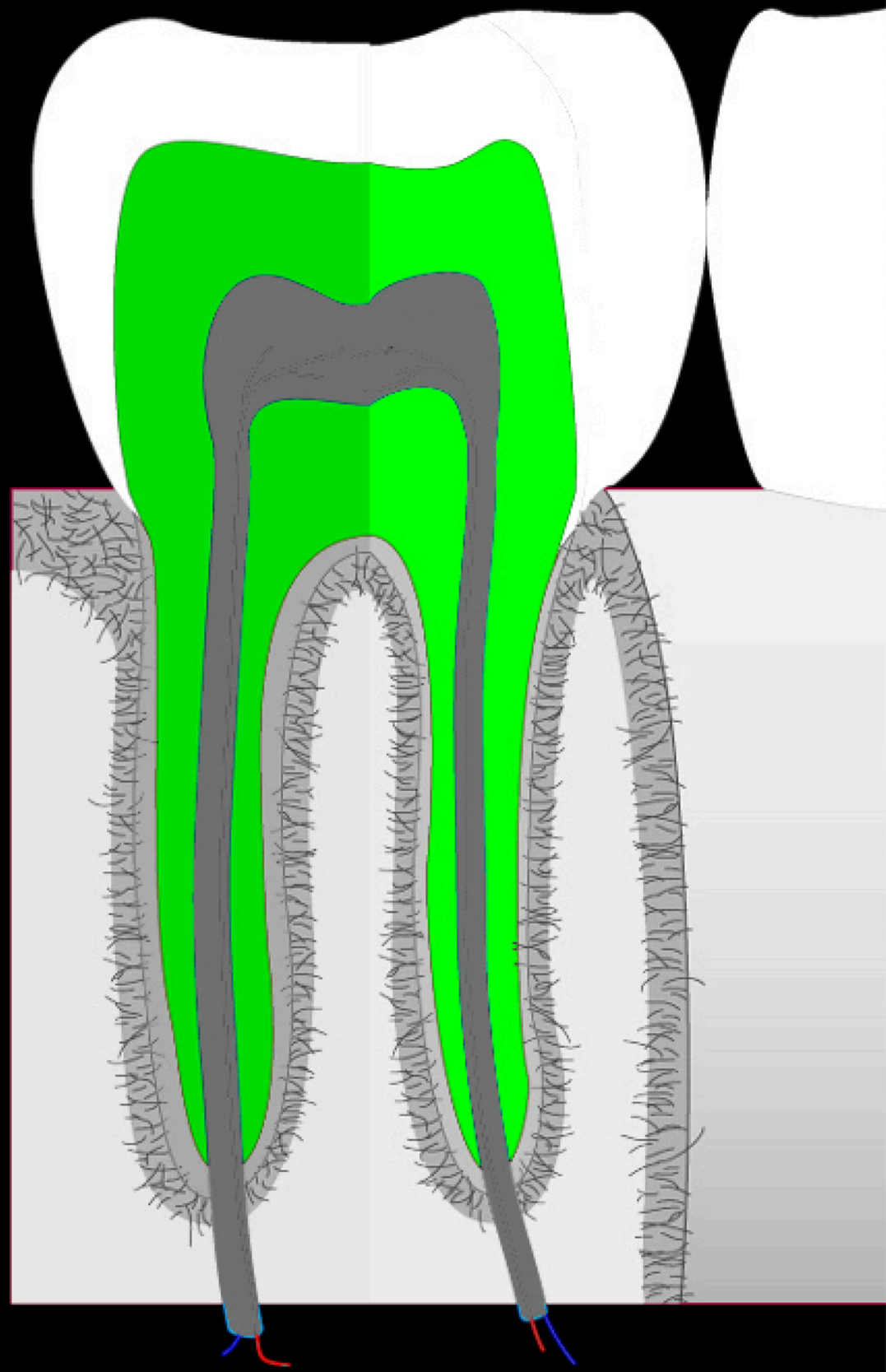
Head and Neck

Anatomy of the Mouth

Teeth

Histology of the tooth

Dentin



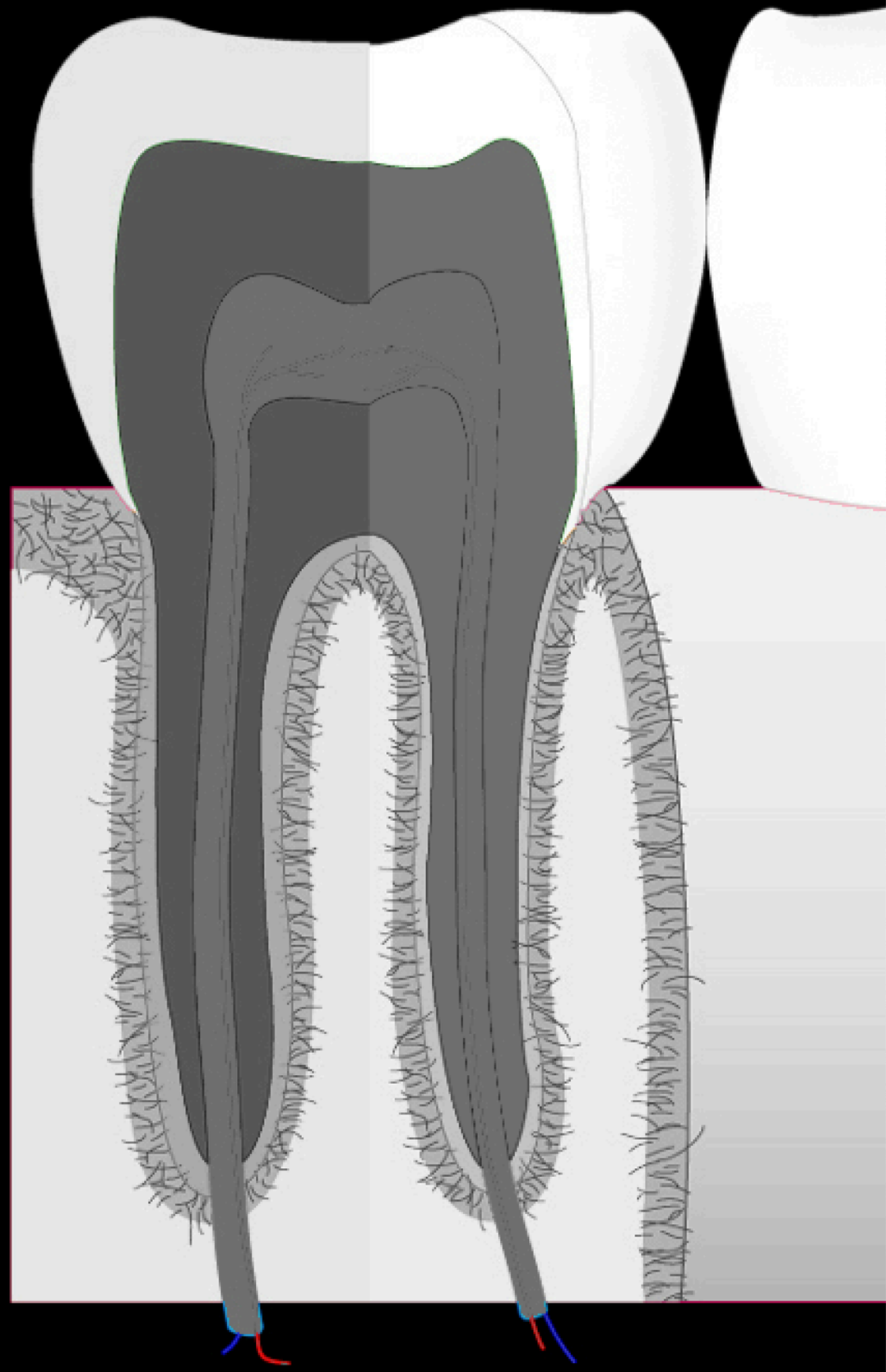
Head and Neck

Anatomy of the Mouth

Teeth

Histology of the tooth

Enamel

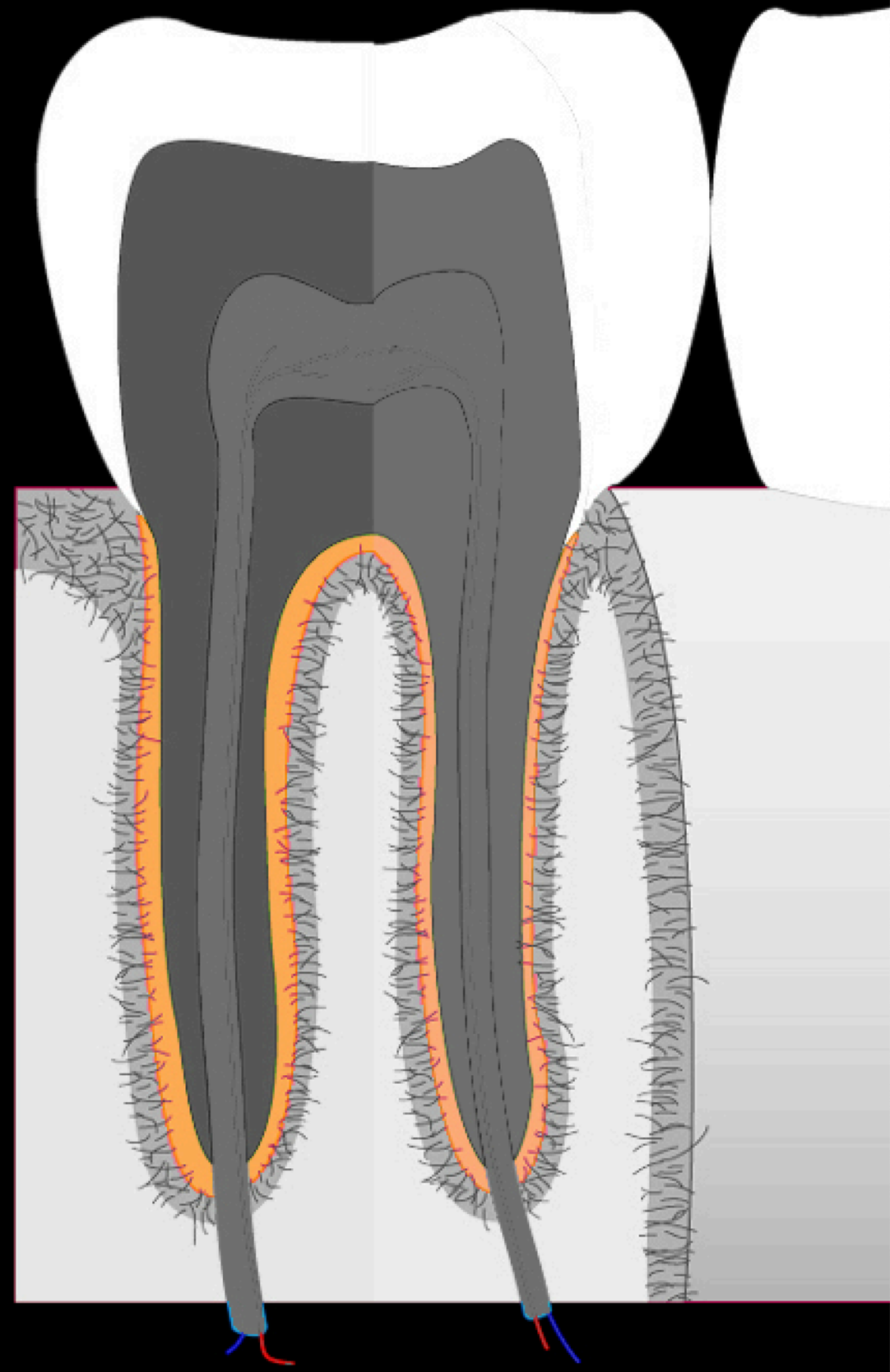


Anatomy of the Mouth

Teeth

Histology of the tooth

Cement



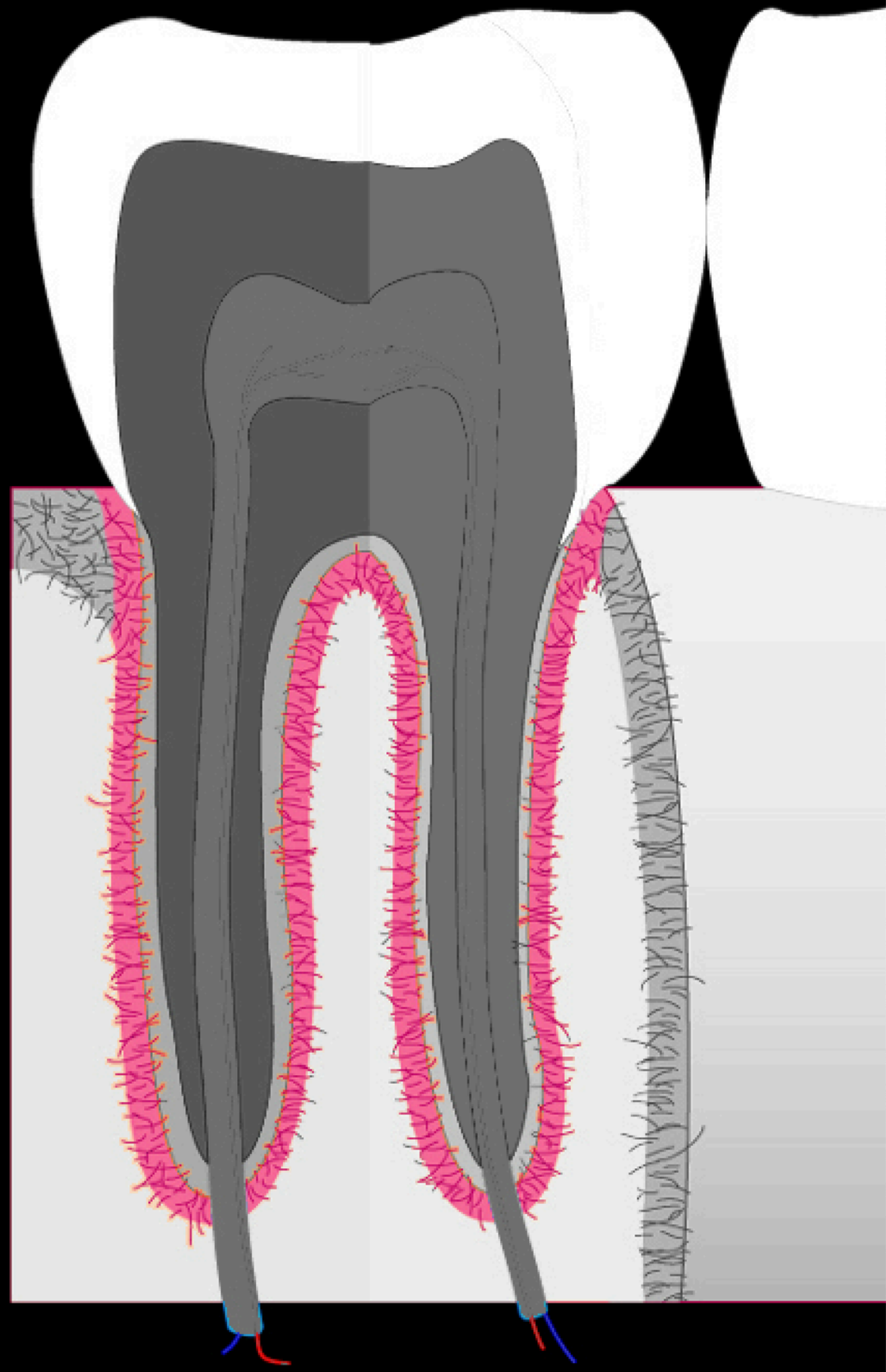
Head and Neck

Anatomy of the Mouth

Teeth

Histology of the tooth

Periodontium



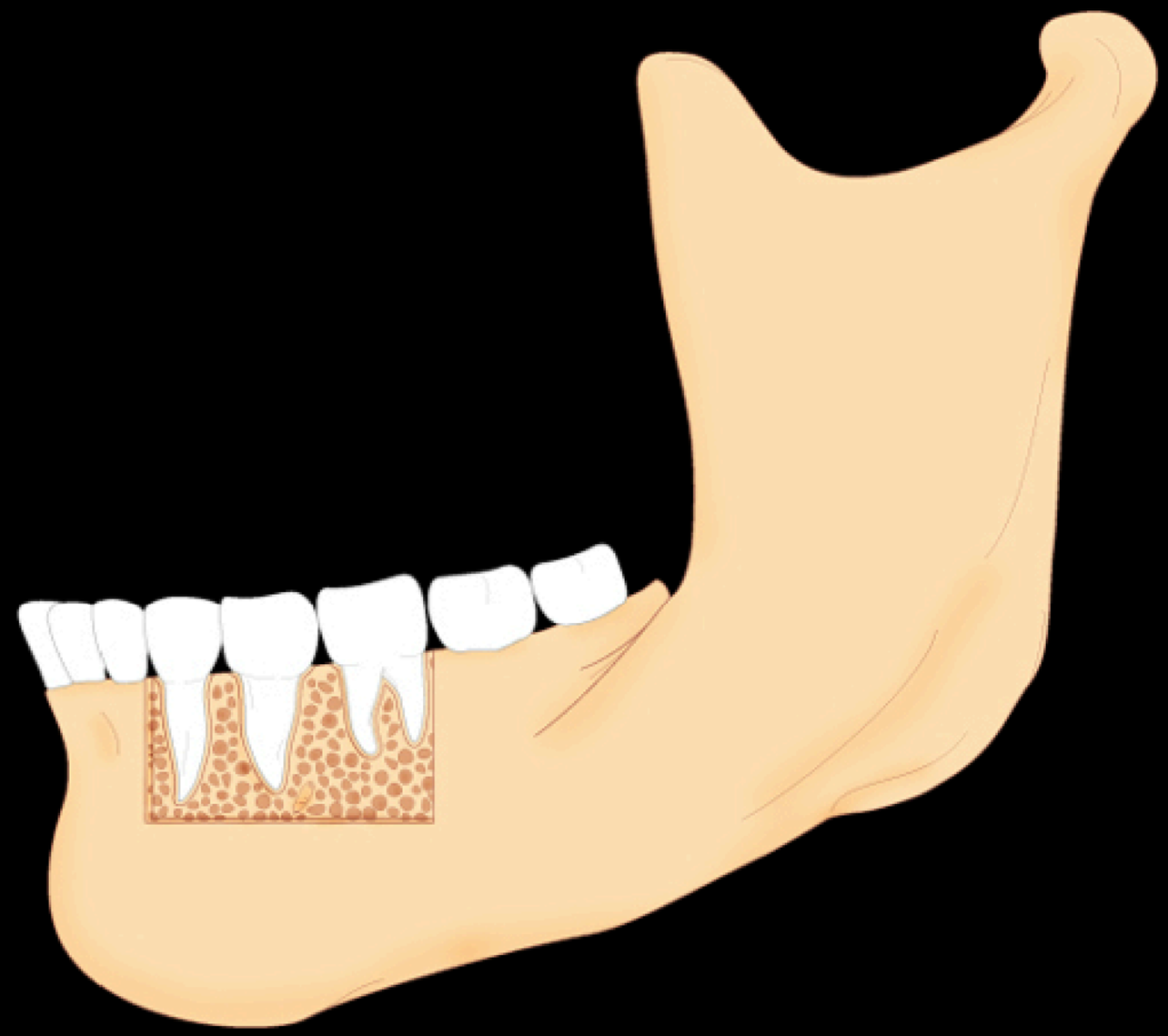
Head and Neck

Anatomy of the Mouth

Teeth

Types of teeth

- Incisors
- Canines
- Premolars
- Molars

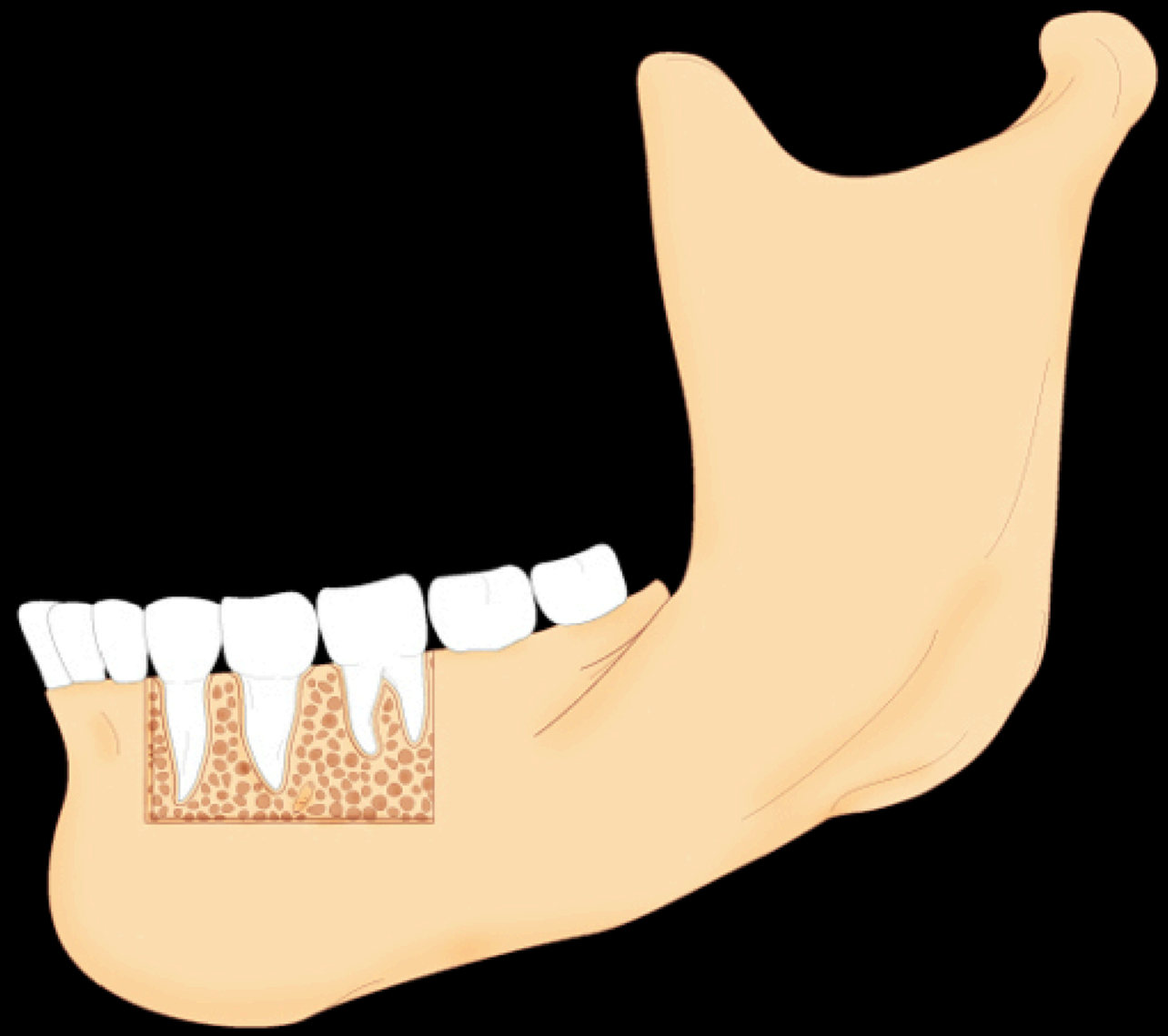


Anatomy of the Mouth

Teeth

Dental formula

2/2 1/1 2/2 3/3

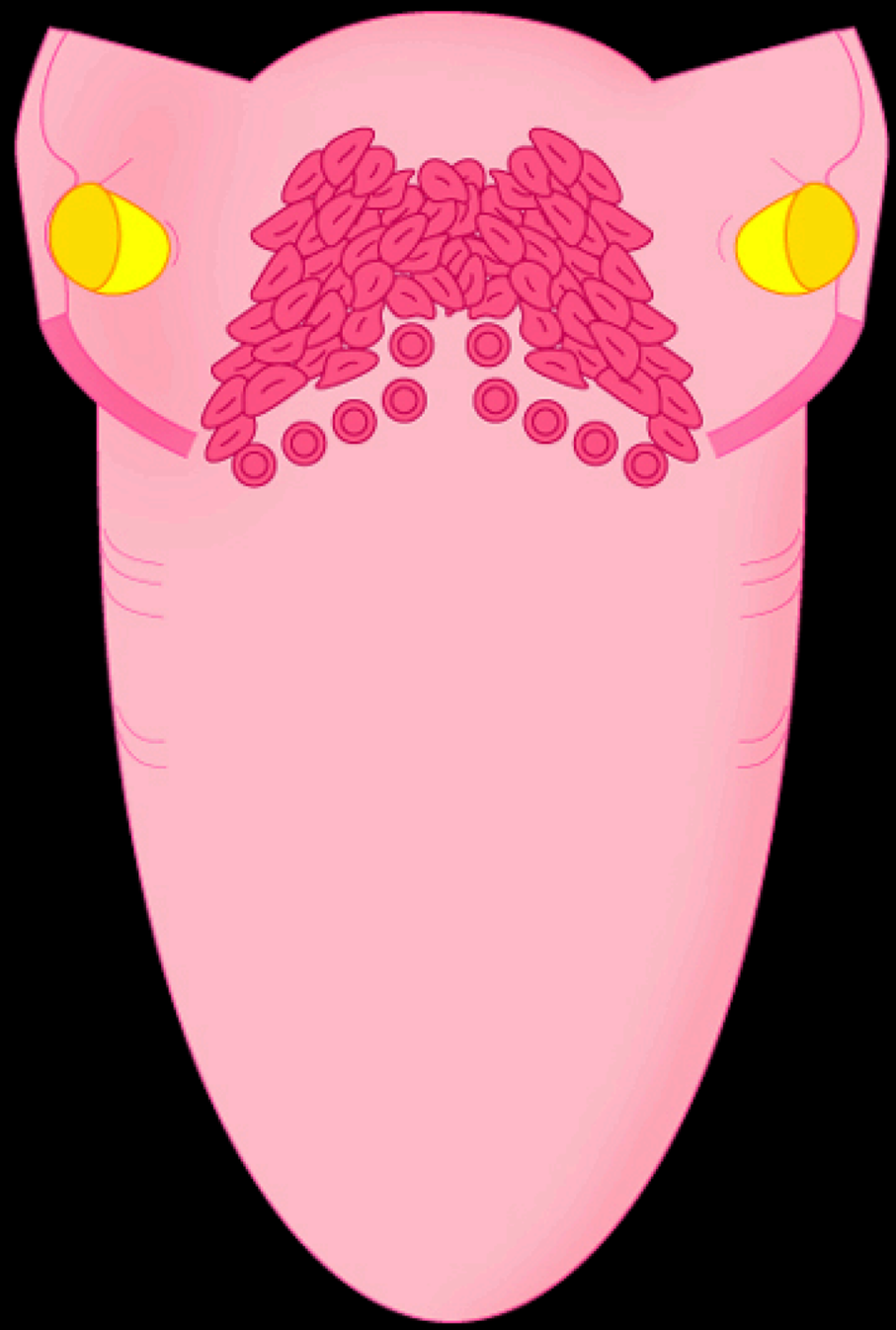


Head and Neck

Anatomy of the Mouth

Tongue

Relationships



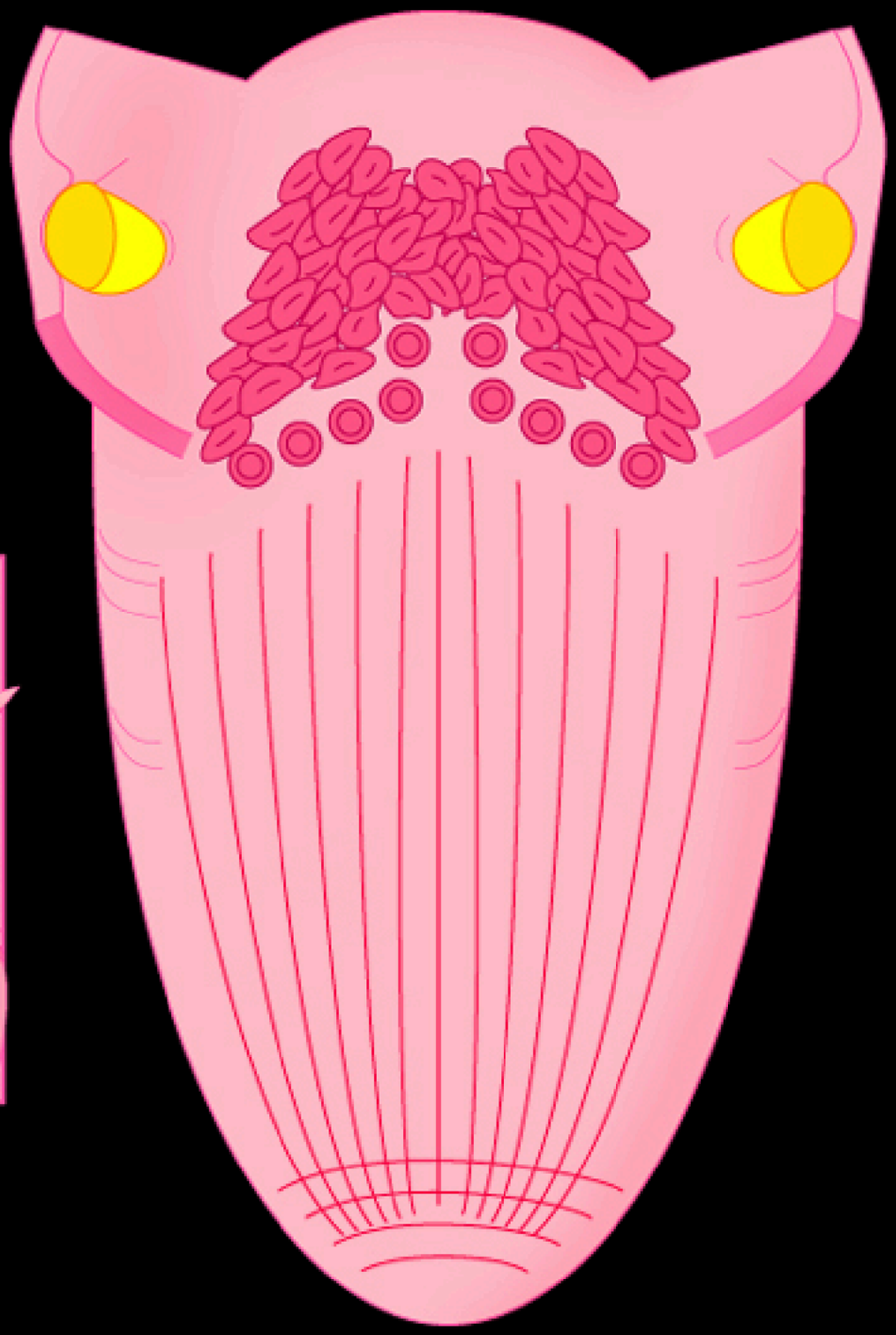
Anatomy of the Mouth

Tongue

Papillae

Filiform papillae





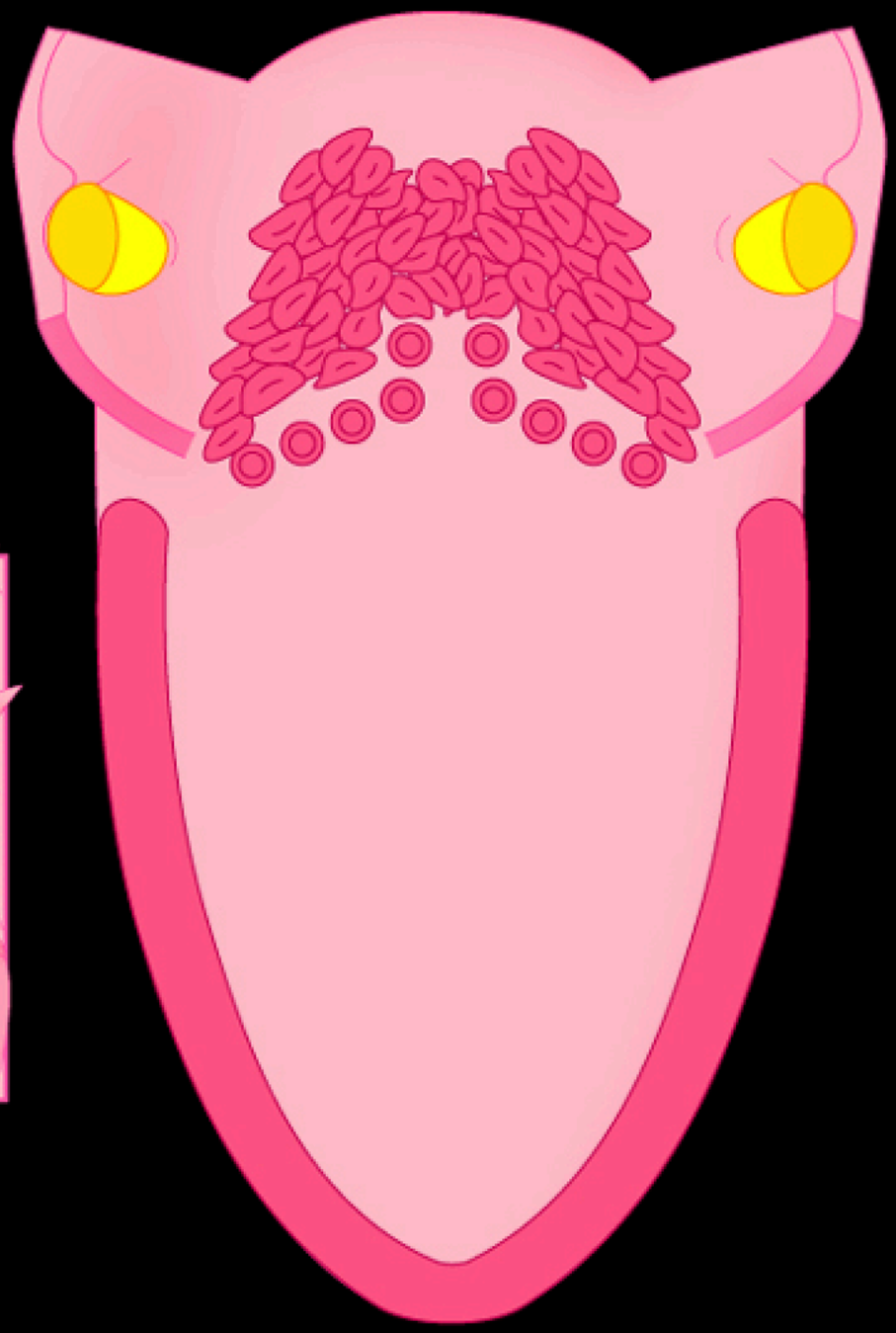
Anatomy of the Mouth

Tongue

Papillae

Fungiform papillae





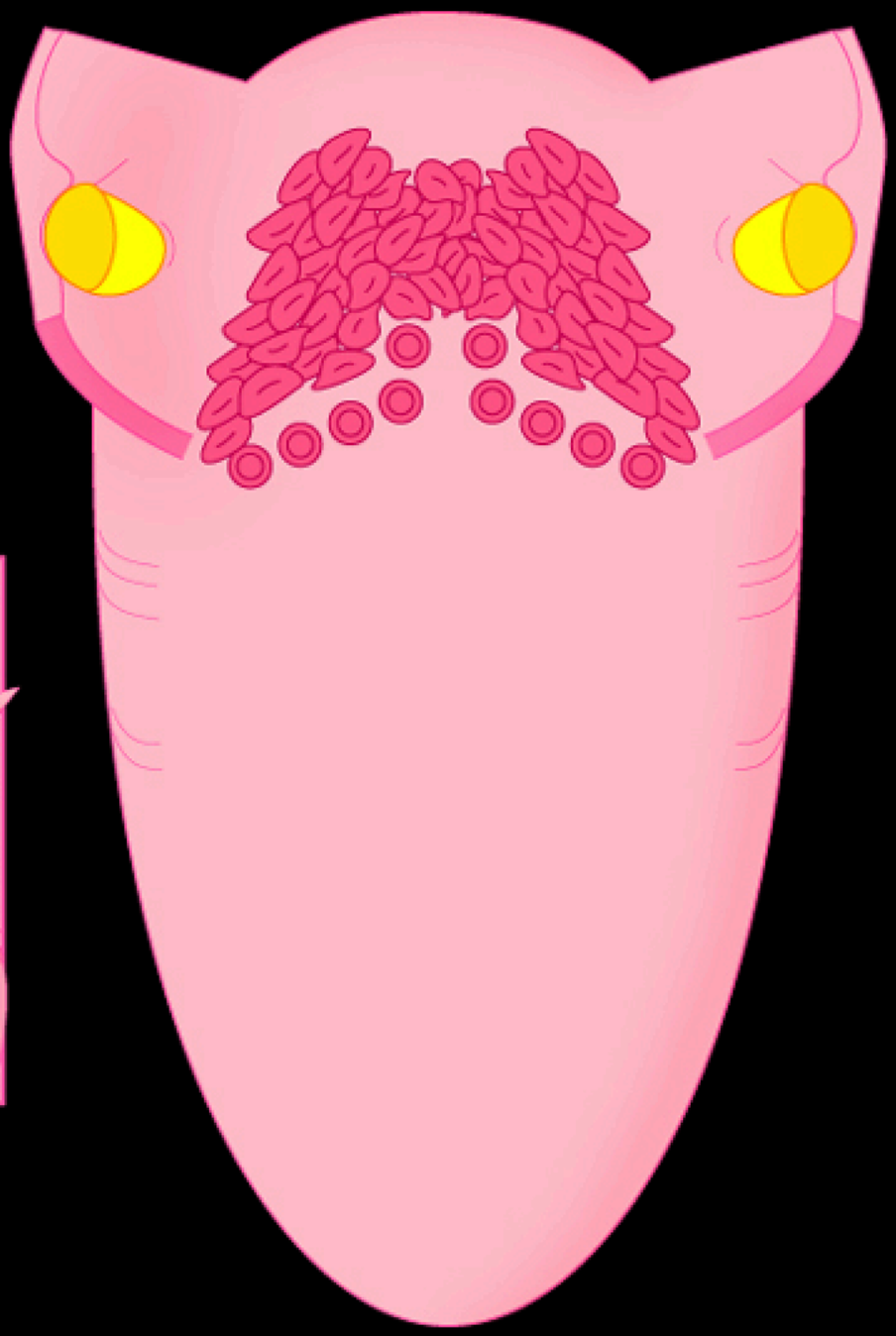
Anatomy of the Mouth

Tongue

Papillae

Vallate papillae

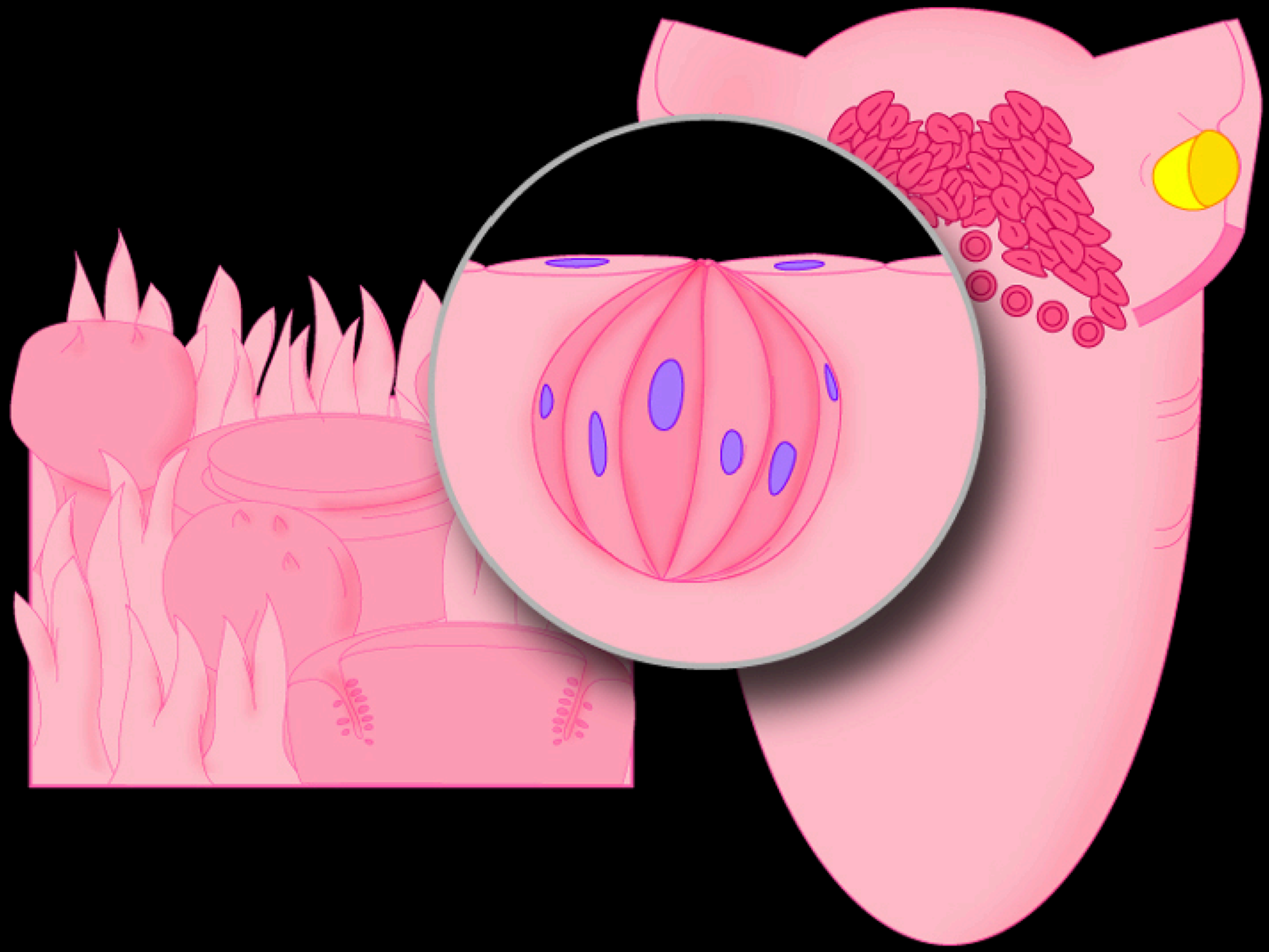




Anatomy of the Mouth

Tongue

Taste buds

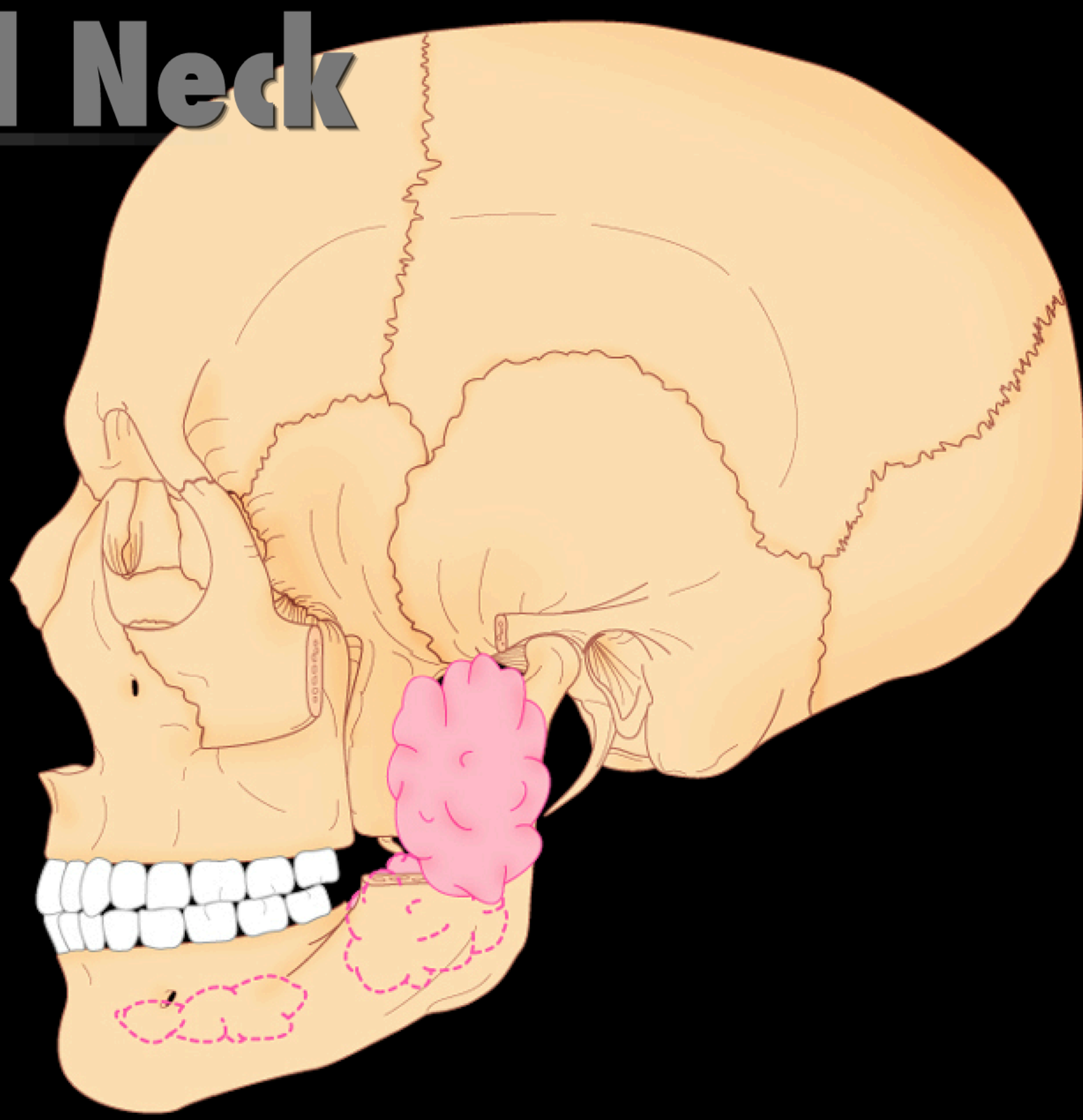


Head and Neck

Anatomy of the Mouth

Salivary Glands

Parotid gland
Submandibular gland
Sublingual gland

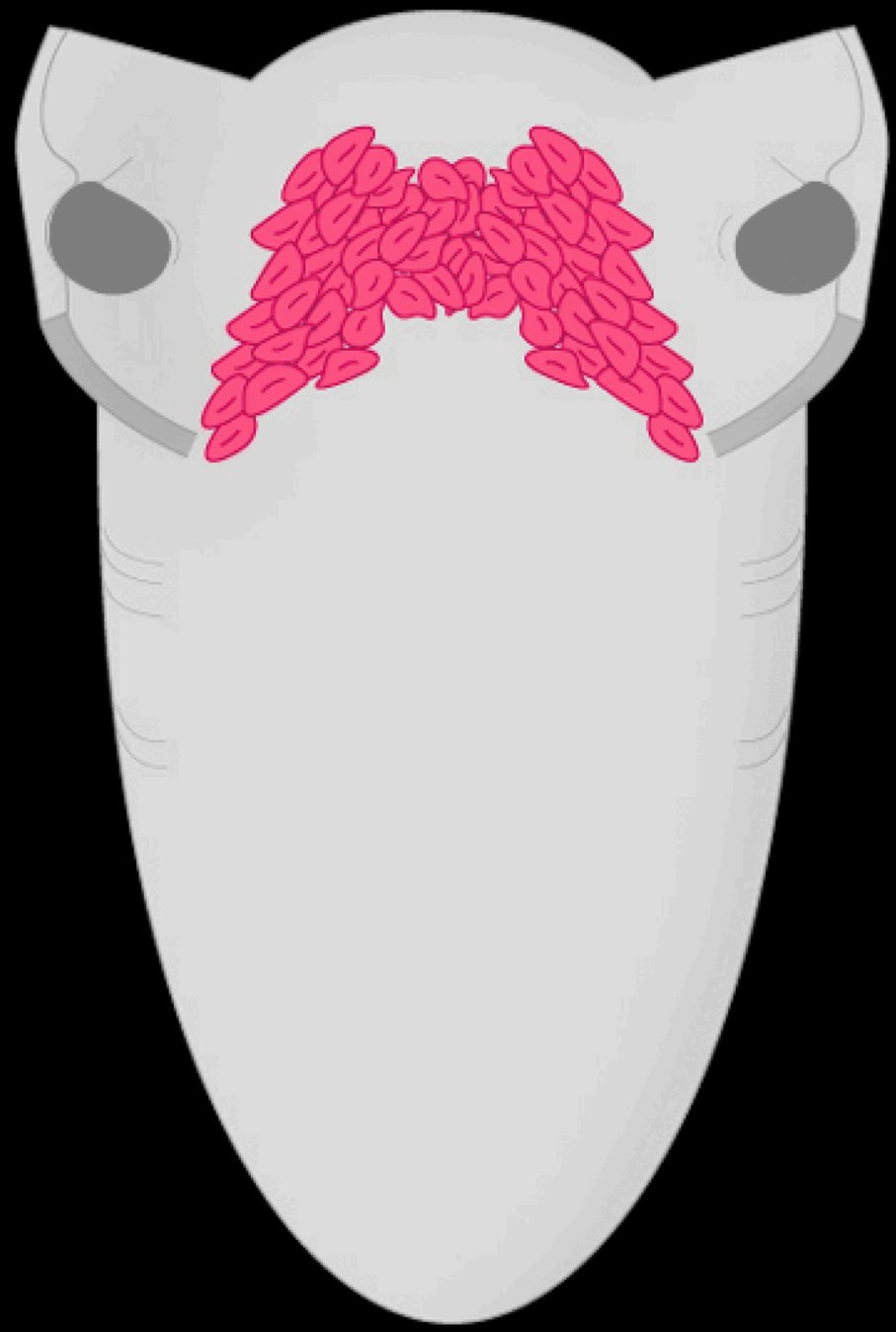


Head and Neck

Anatomy of the Mouth

Tonsilar Ring or Gateway

Lingual tonsils

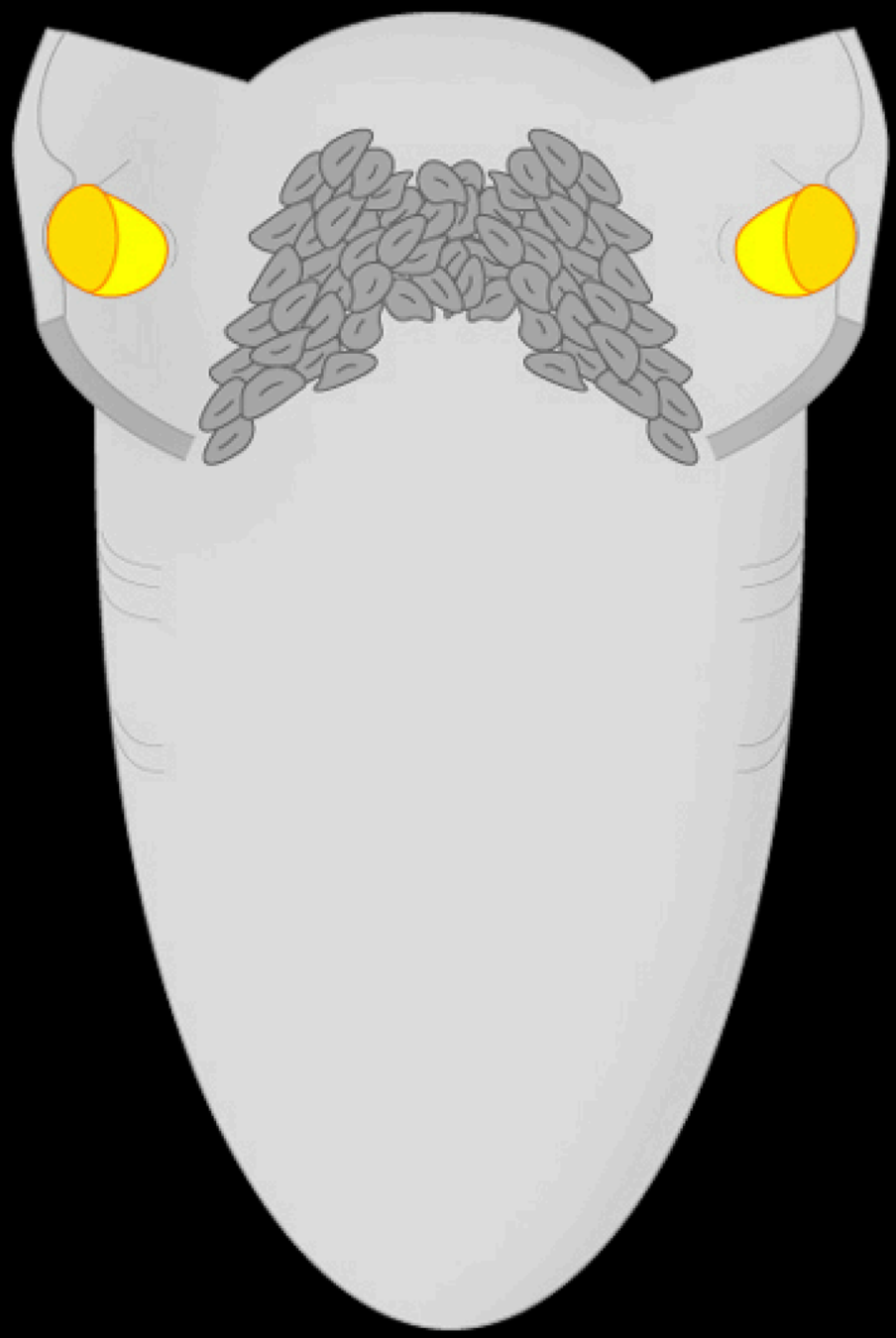


Head and Neck

Anatomy of the Mouth

Tonsilar Ring or Gateway

Palatine tonsils

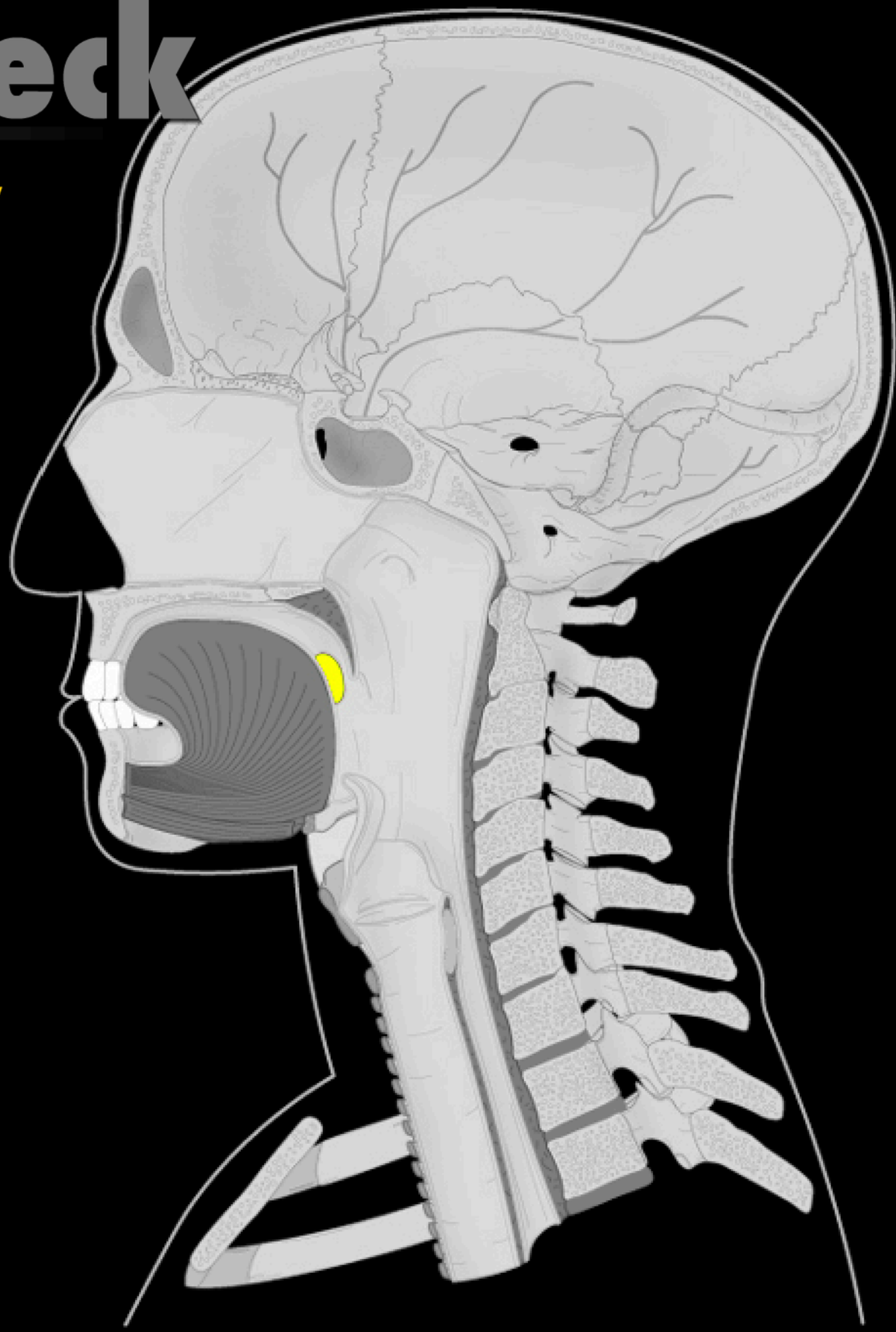


Head and Neck

Anatomy of the Mouth

Tonsilar Ring or Gateway

Palatine tonsils

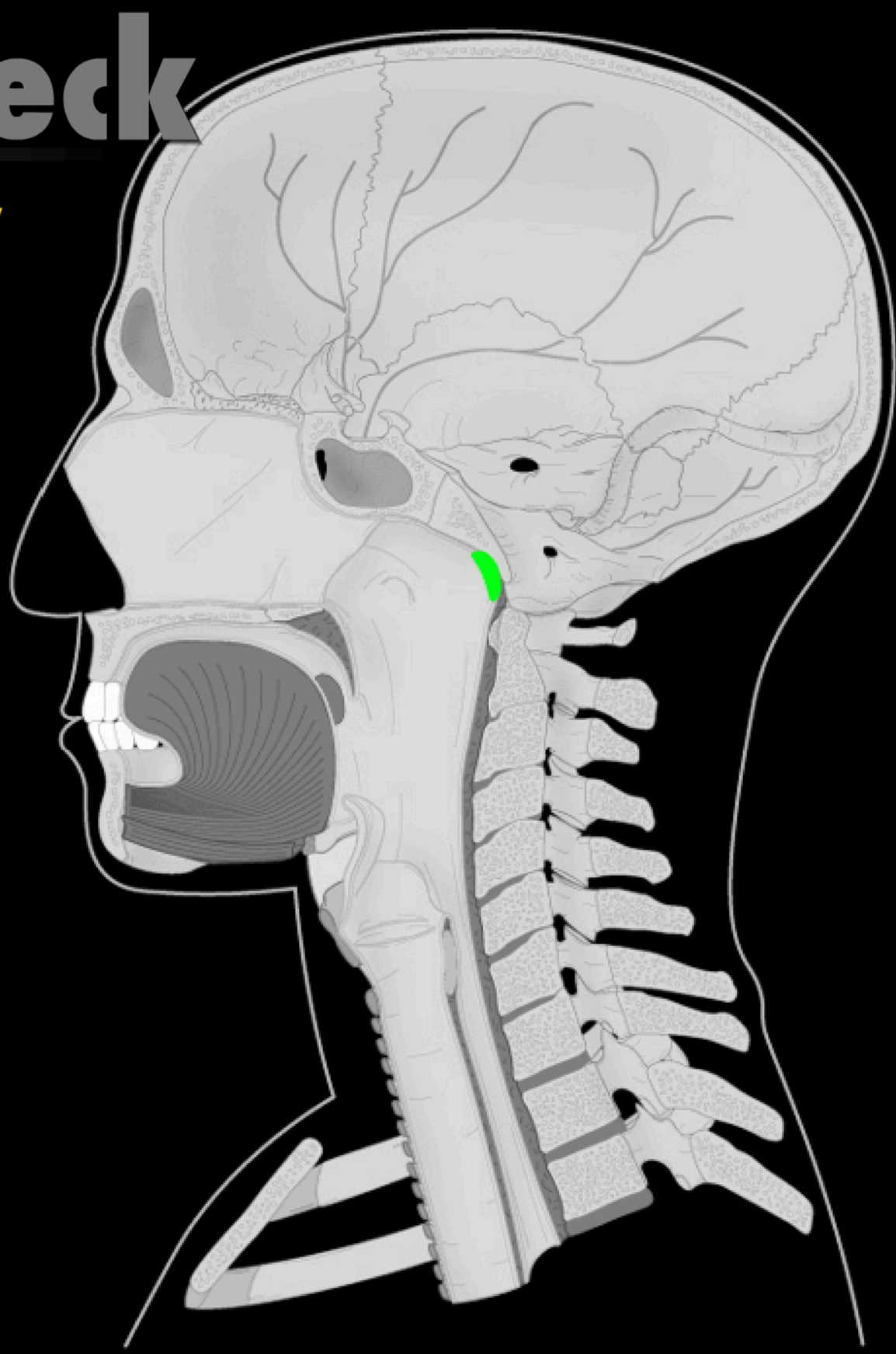


Head and Neck

Anatomy of the Mouth

Tonsilar Ring or Gateway

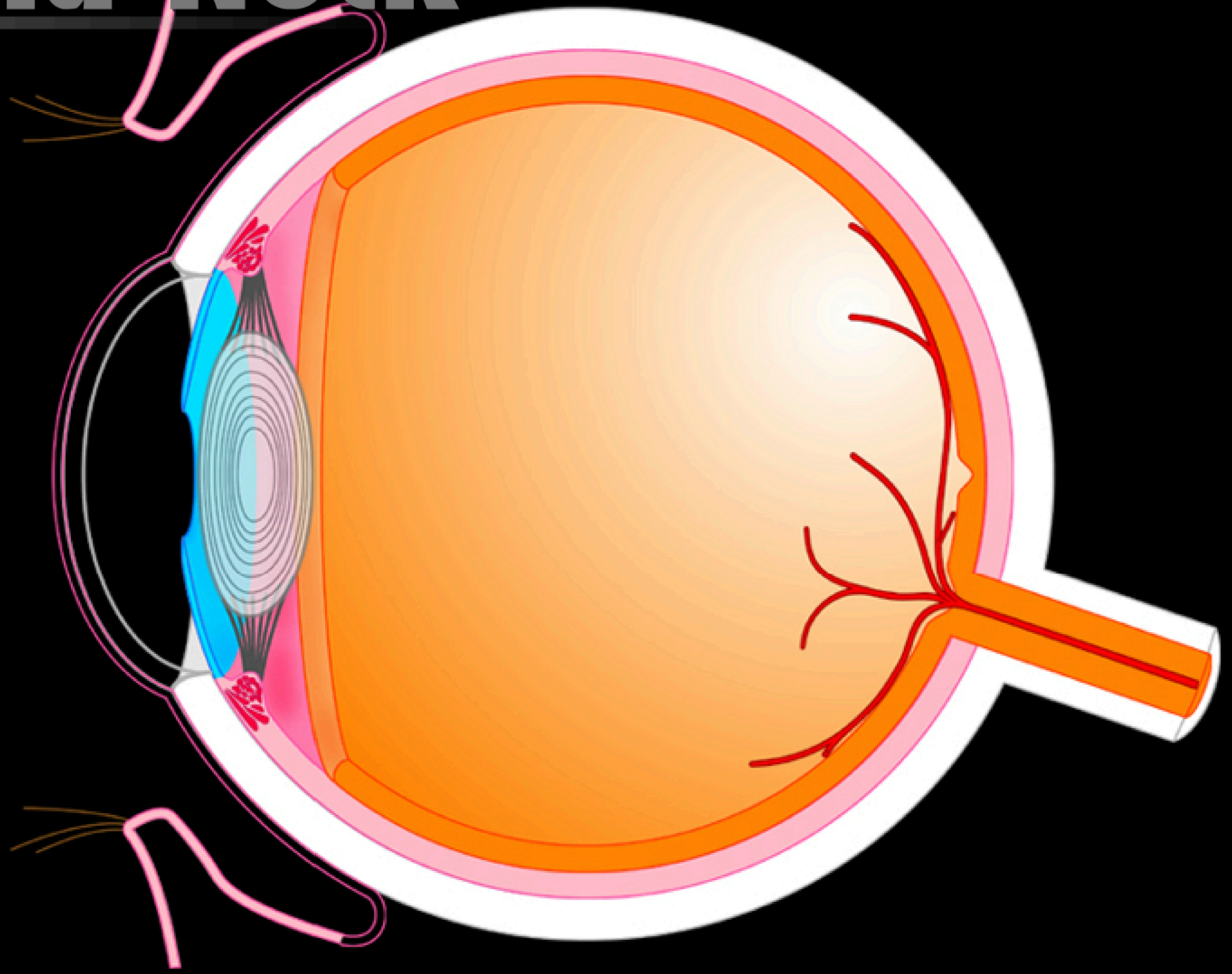
Pharyngeal tonsils



Eye

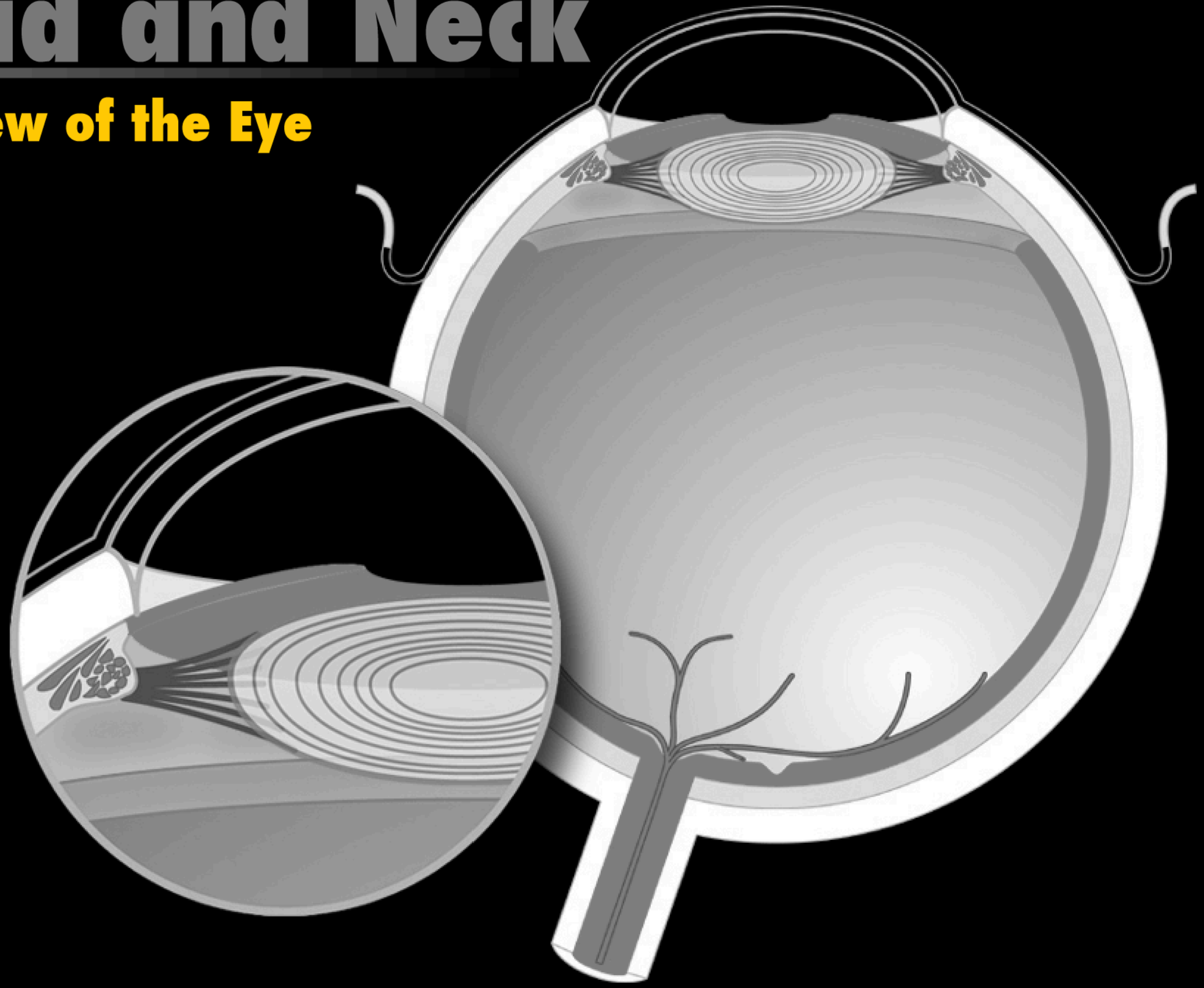
Head and Neck

Introduction



Head and Neck

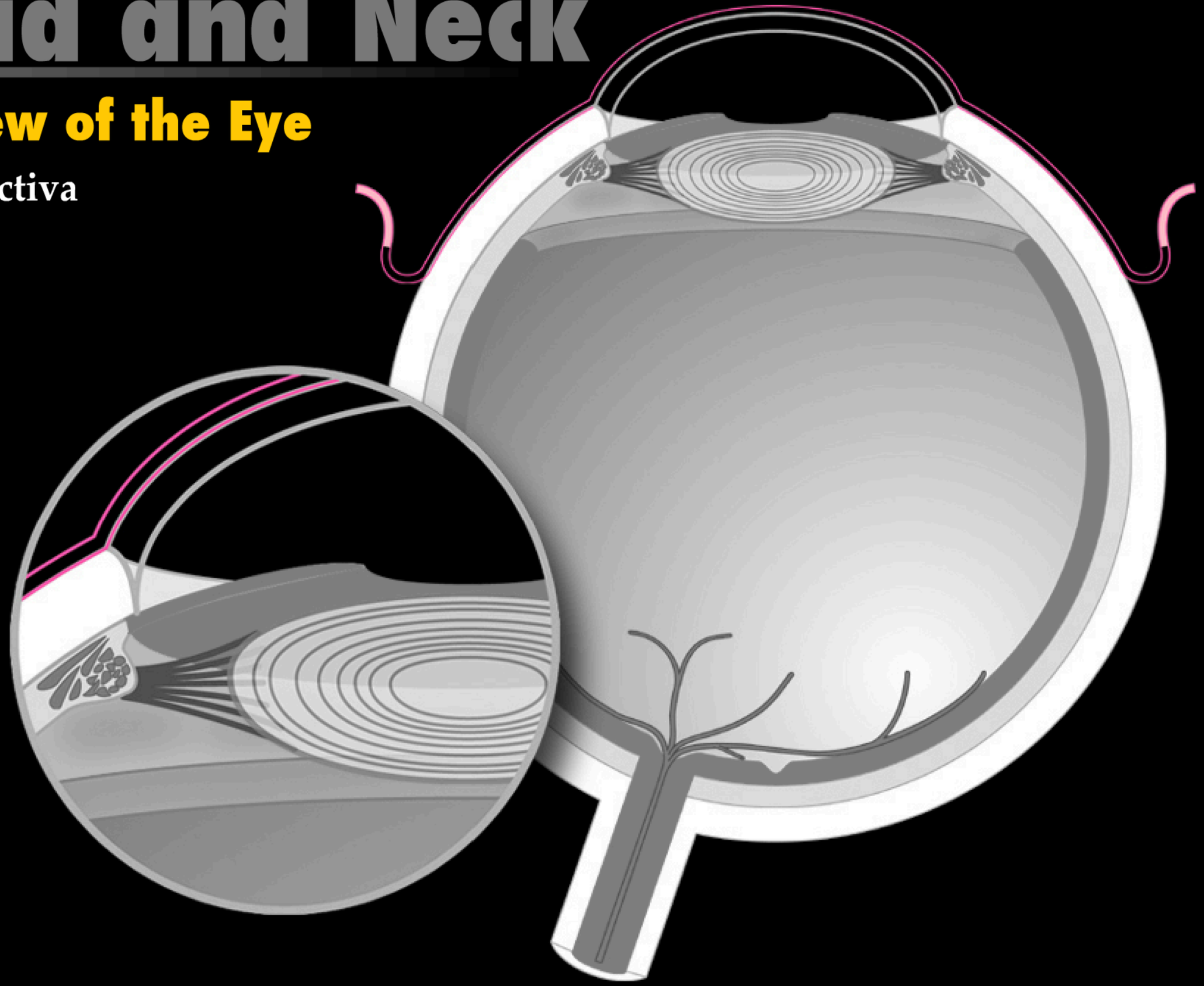
Overview of the Eye



Head and Neck

Overview of the Eye

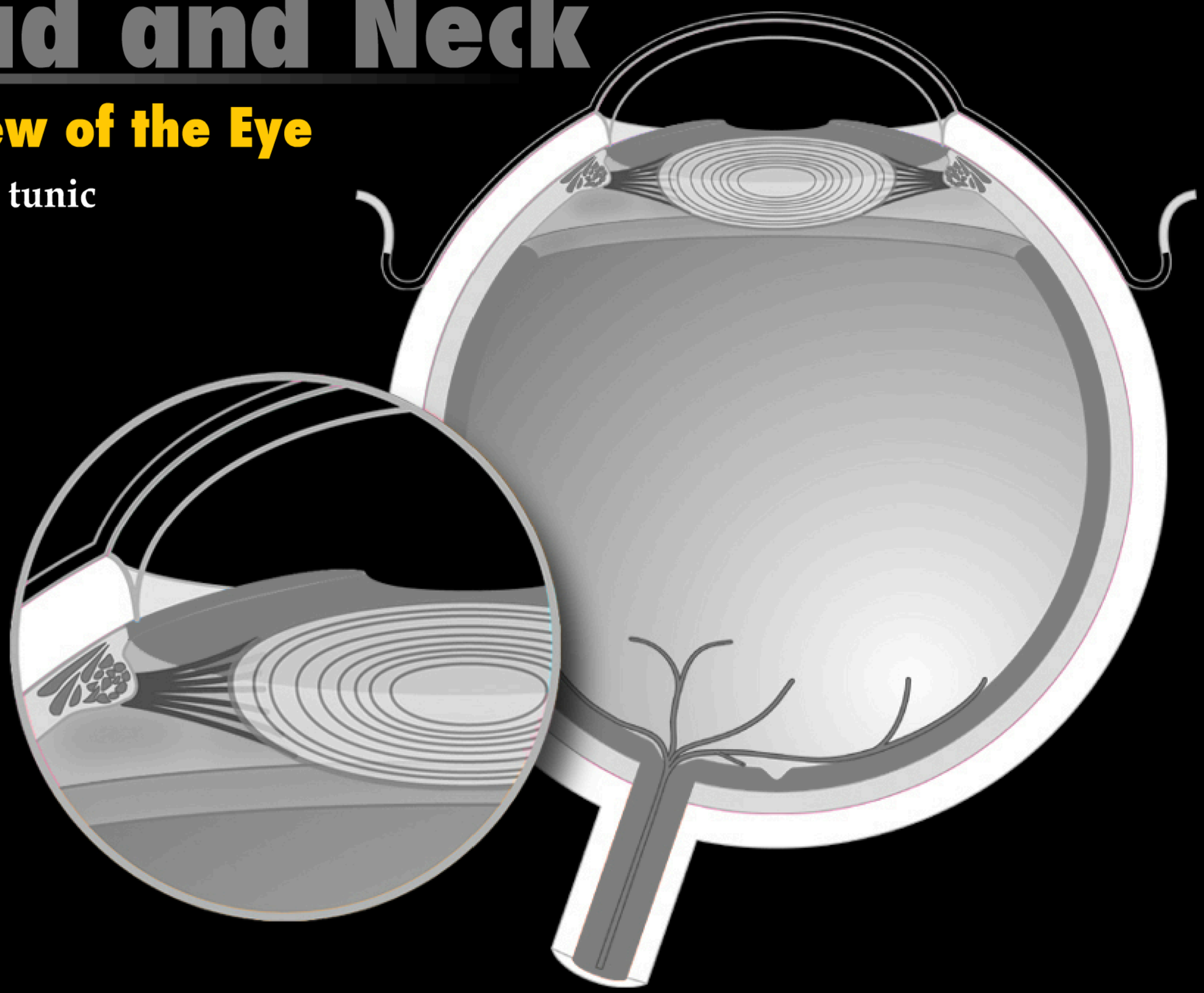
Conjunctiva



Head and Neck

Overview of the Eye

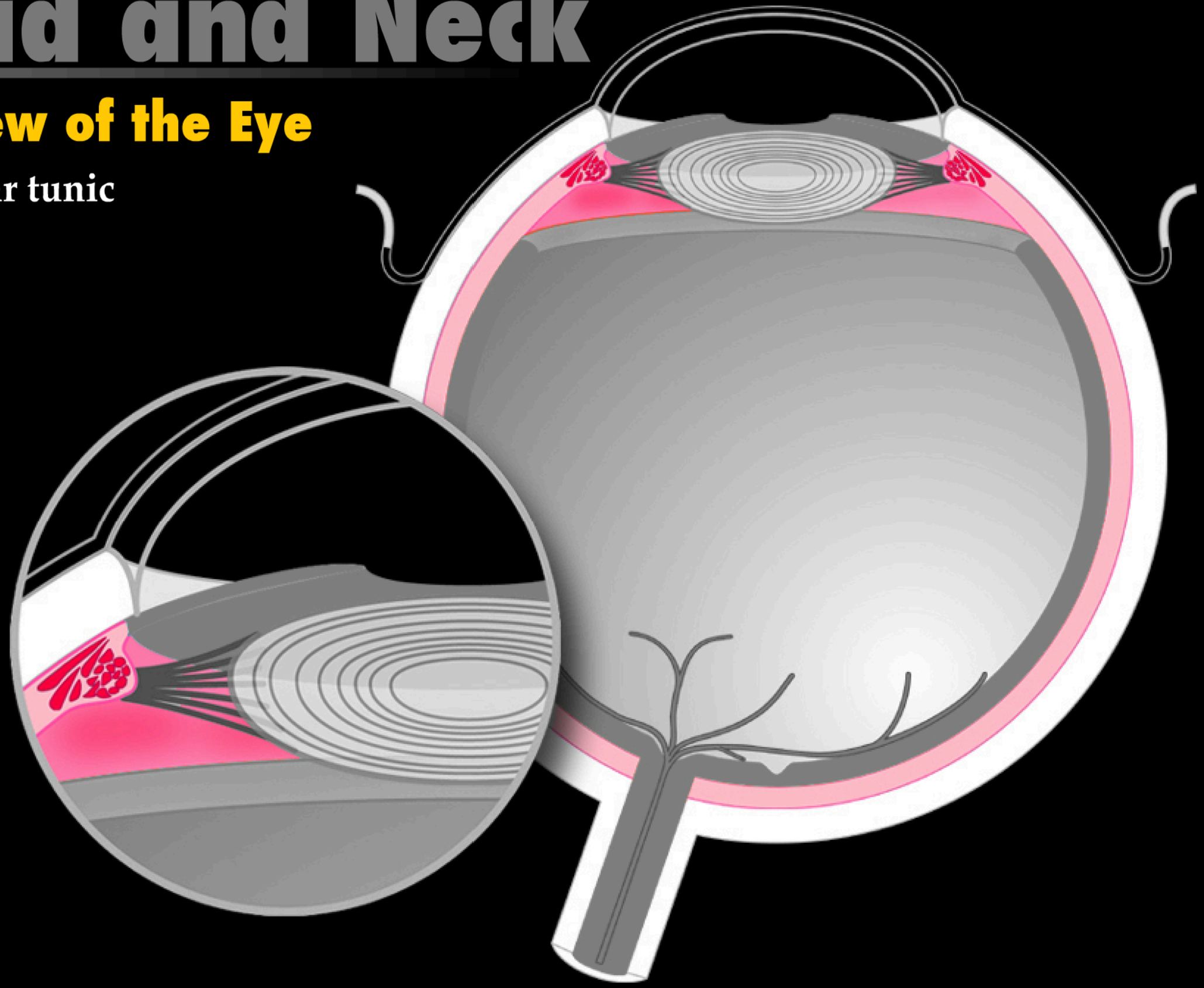
Fibrous tunic



Head and Neck

Overview of the Eye

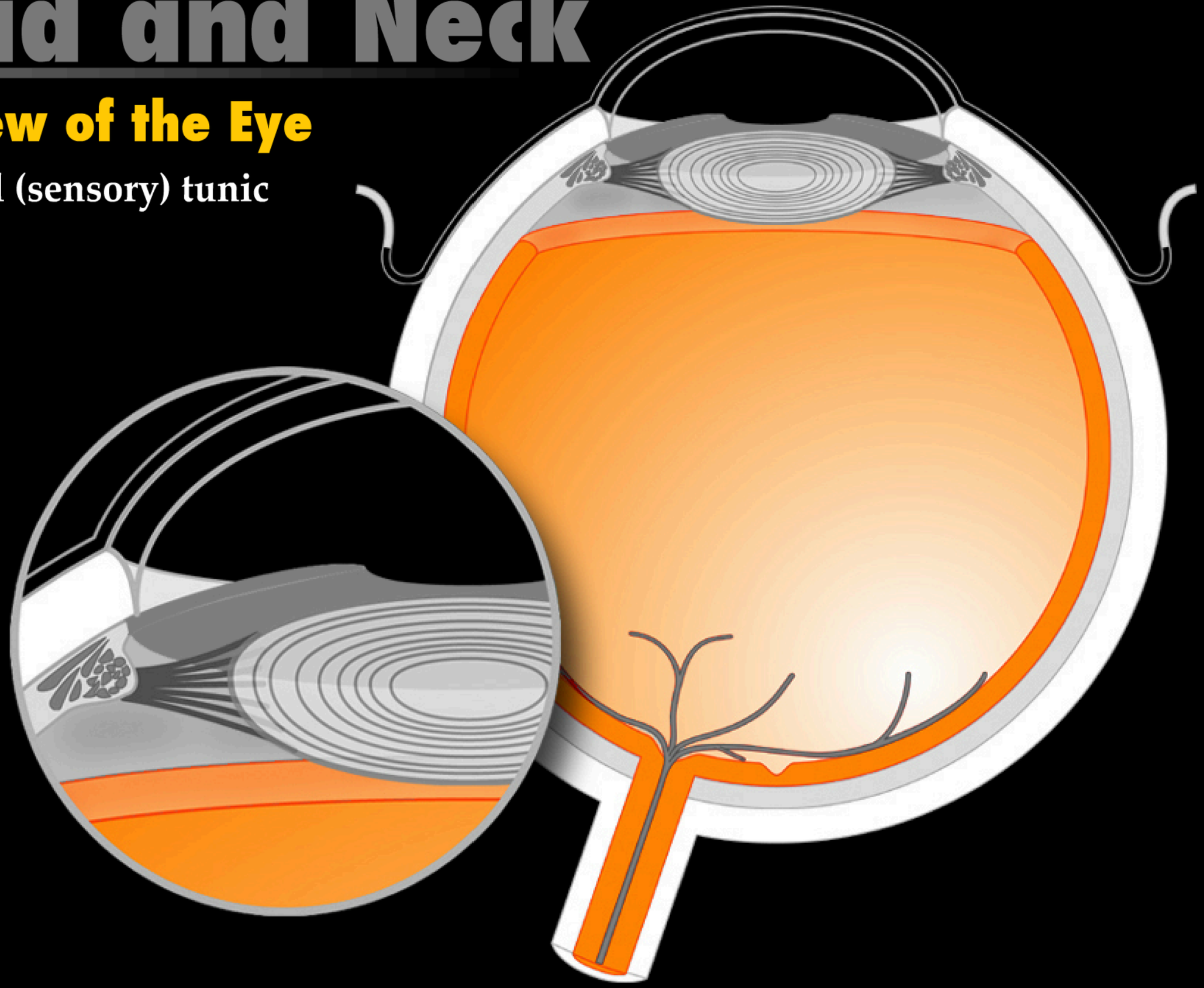
Vascular tunic



Head and Neck

Overview of the Eye

Internal (sensory) tunic

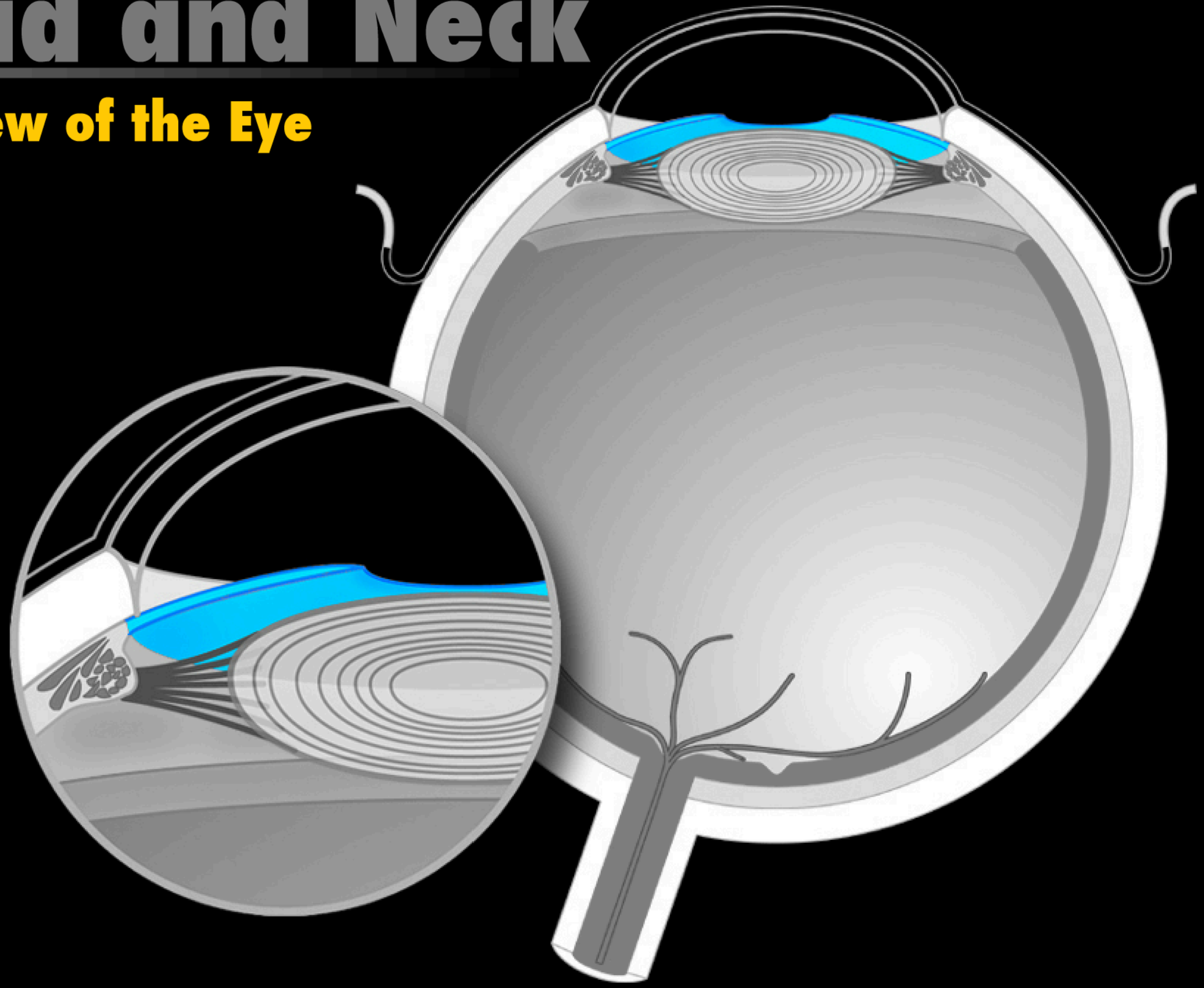


Eye

Head and Neck

Overview of the Eye

Iris

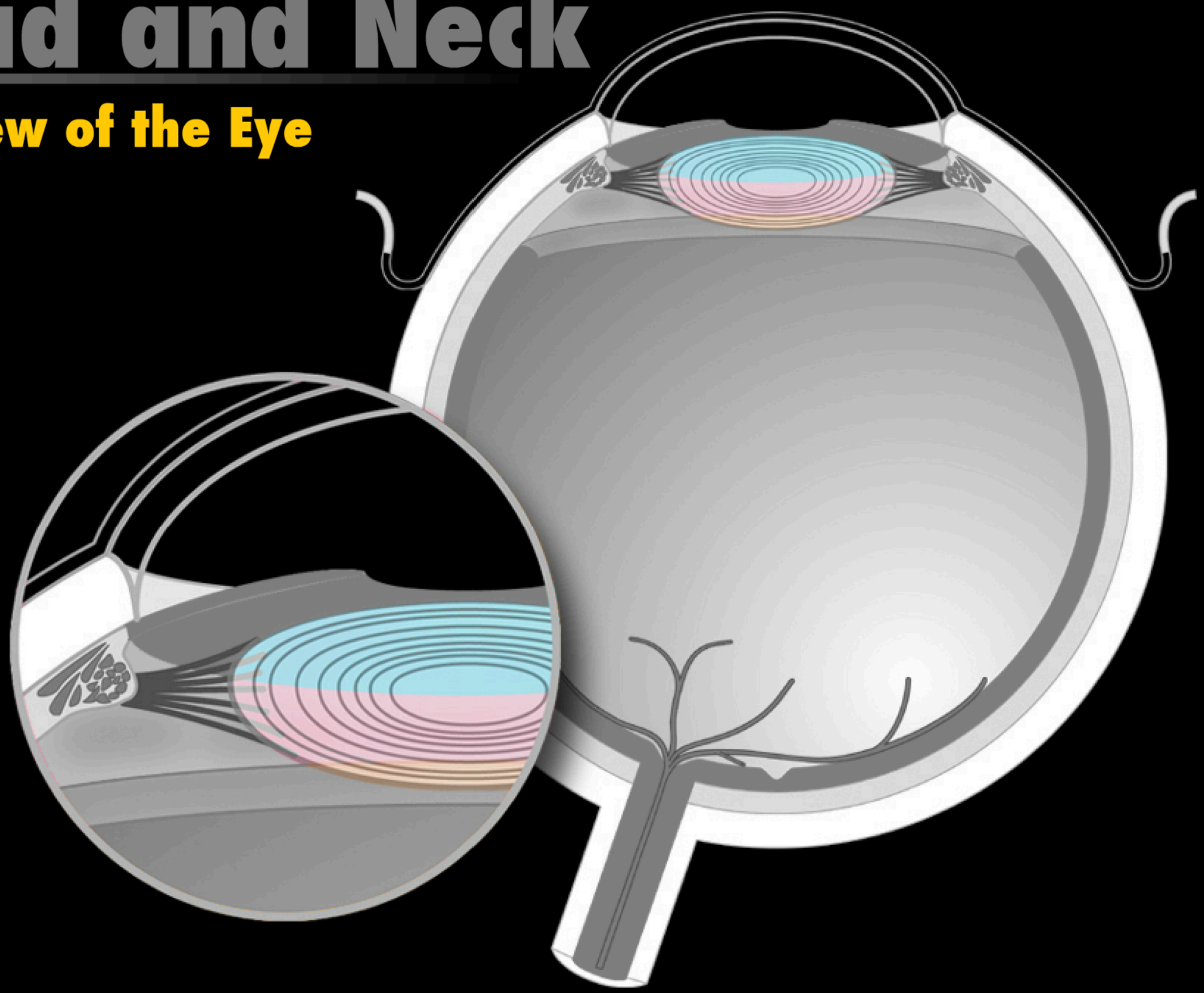


Eye

Head and Neck

Overview of the Eye

Lens



Head and Neck

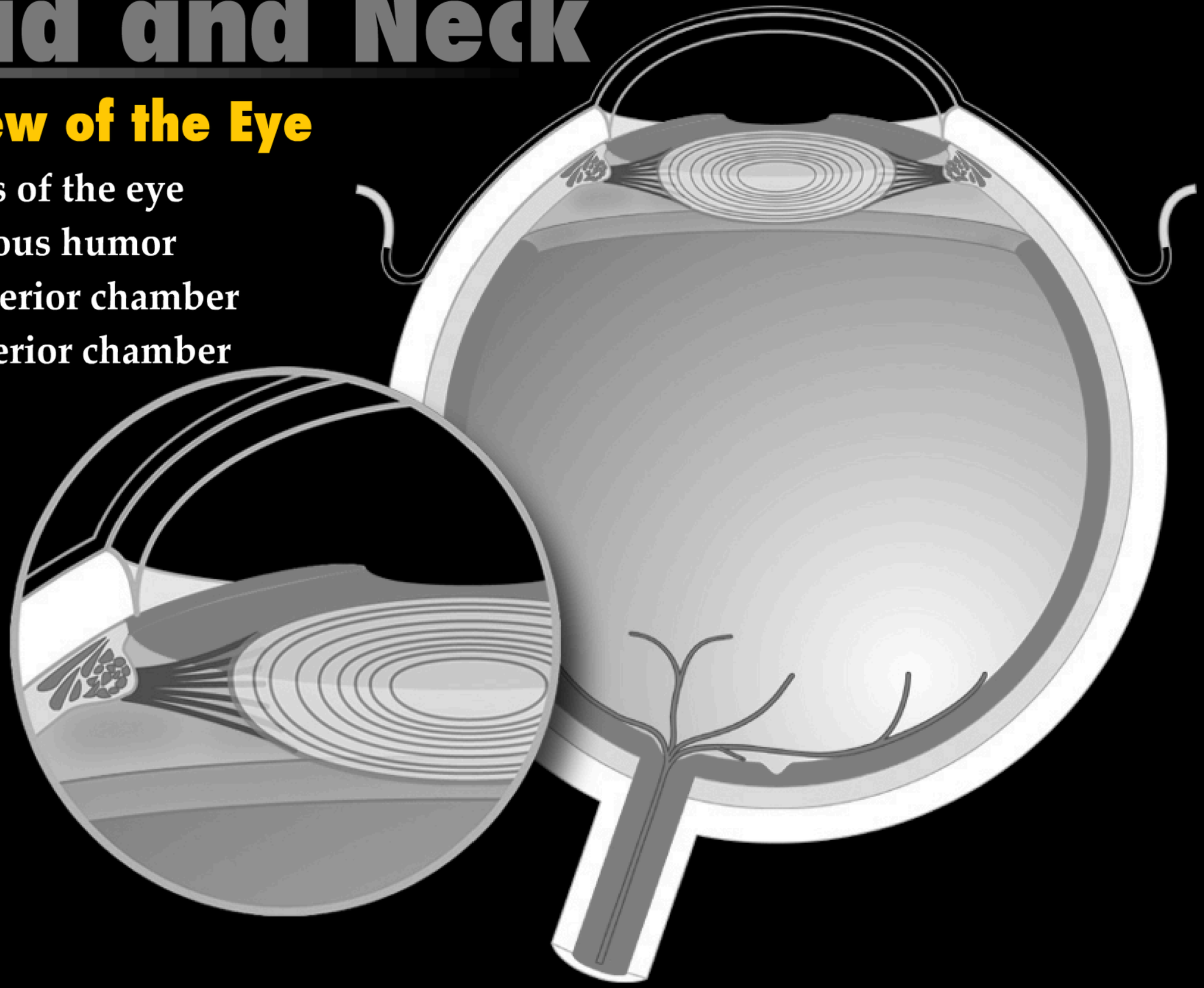
Overview of the Eye

Humors of the eye

Aqueous humor

Posterior chamber

Anterior chamber

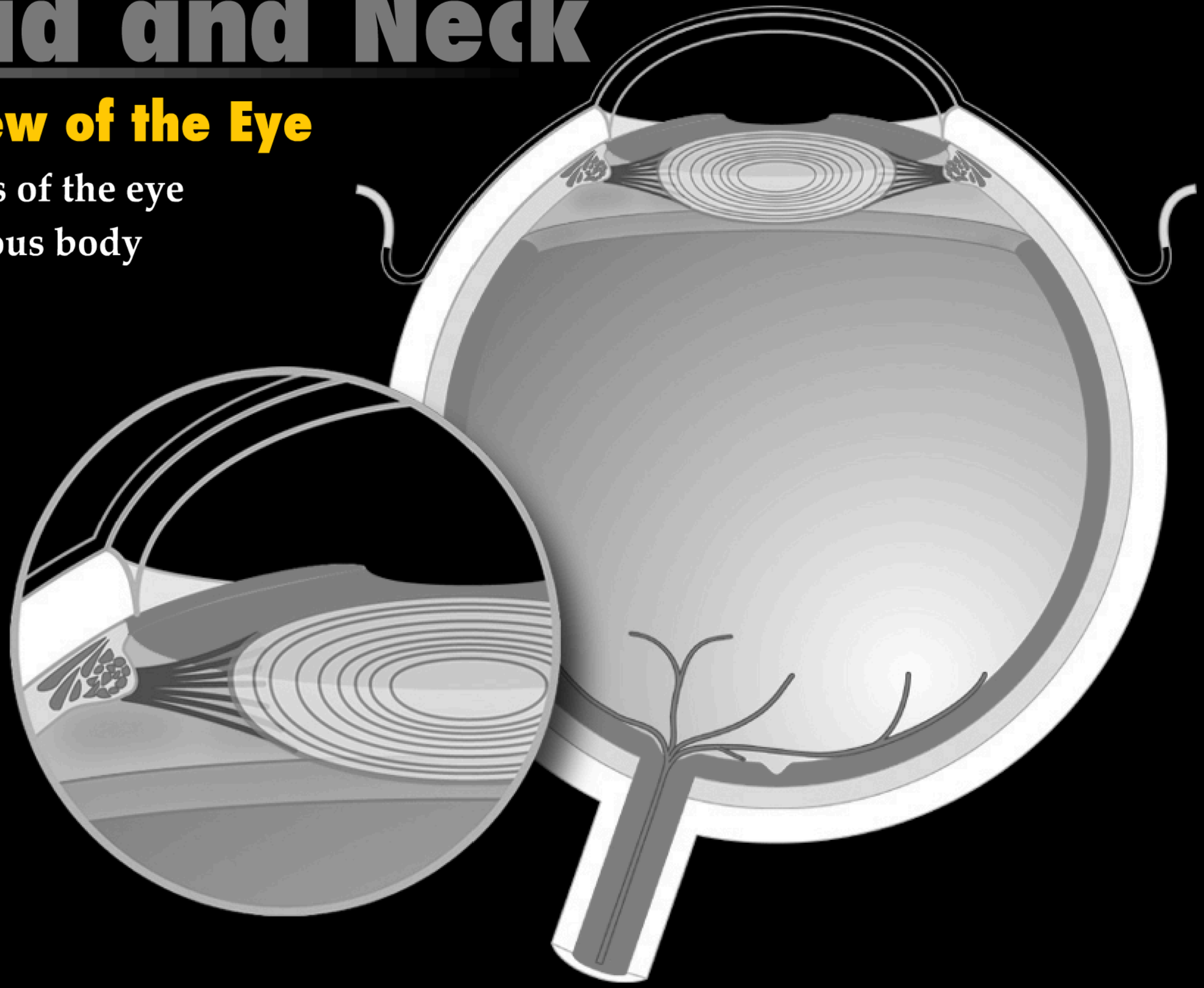


Head and Neck

Overview of the Eye

Humors of the eye

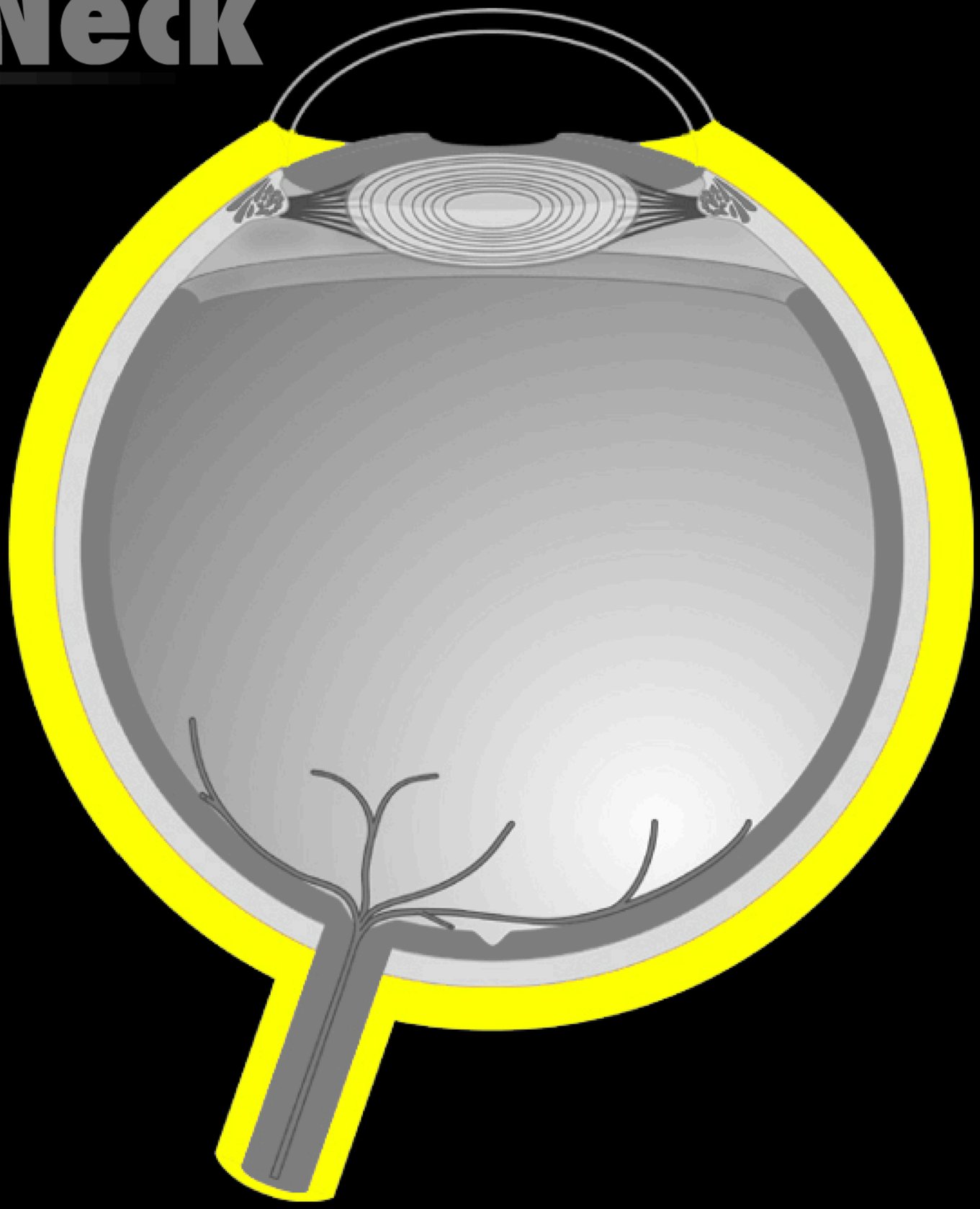
Vitreous body



Eye

Fibrous Tunic

Sclera



Eye

Fibrous Tunic

Cornea

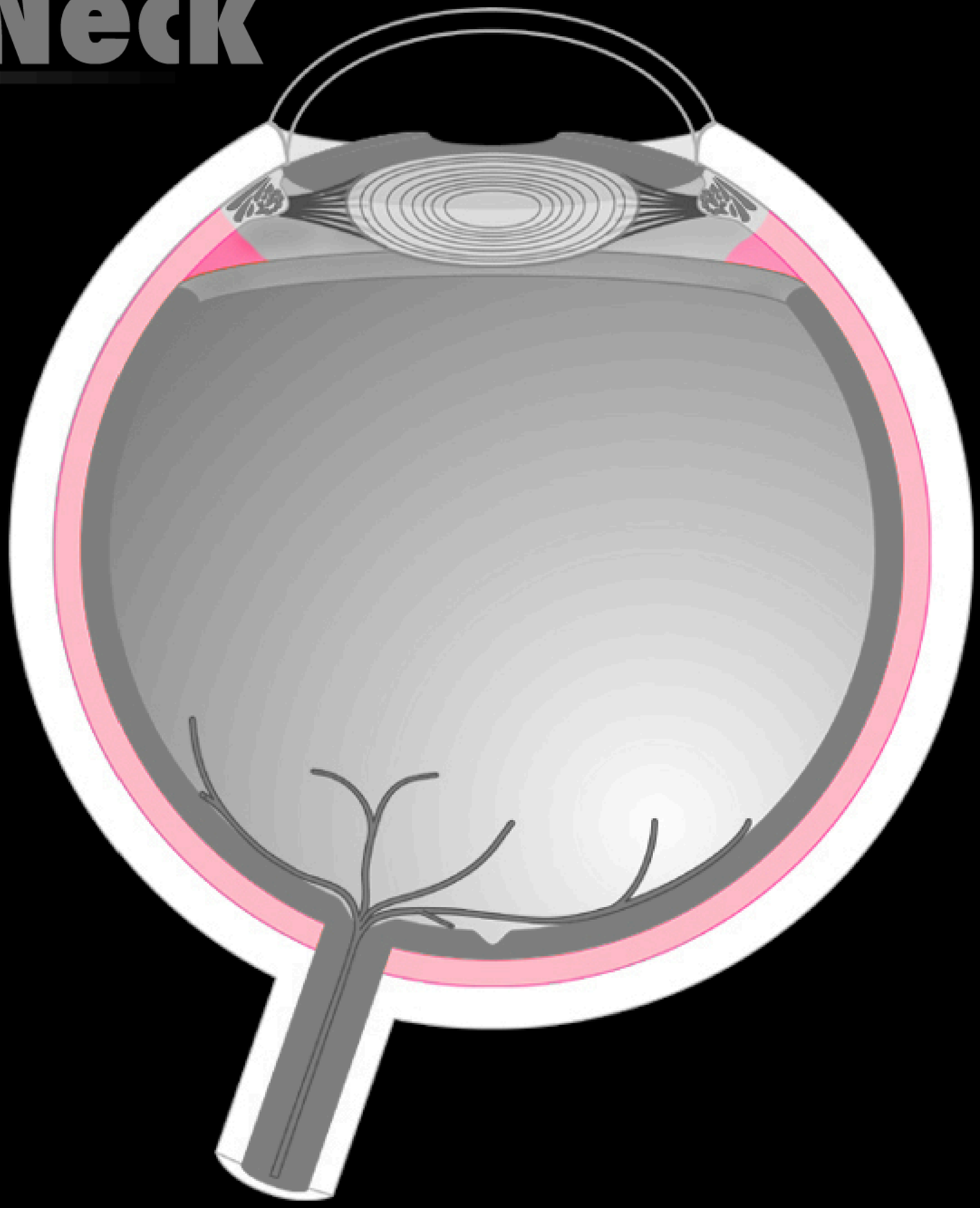


Eye

Head and Neck

Vascular Tunic

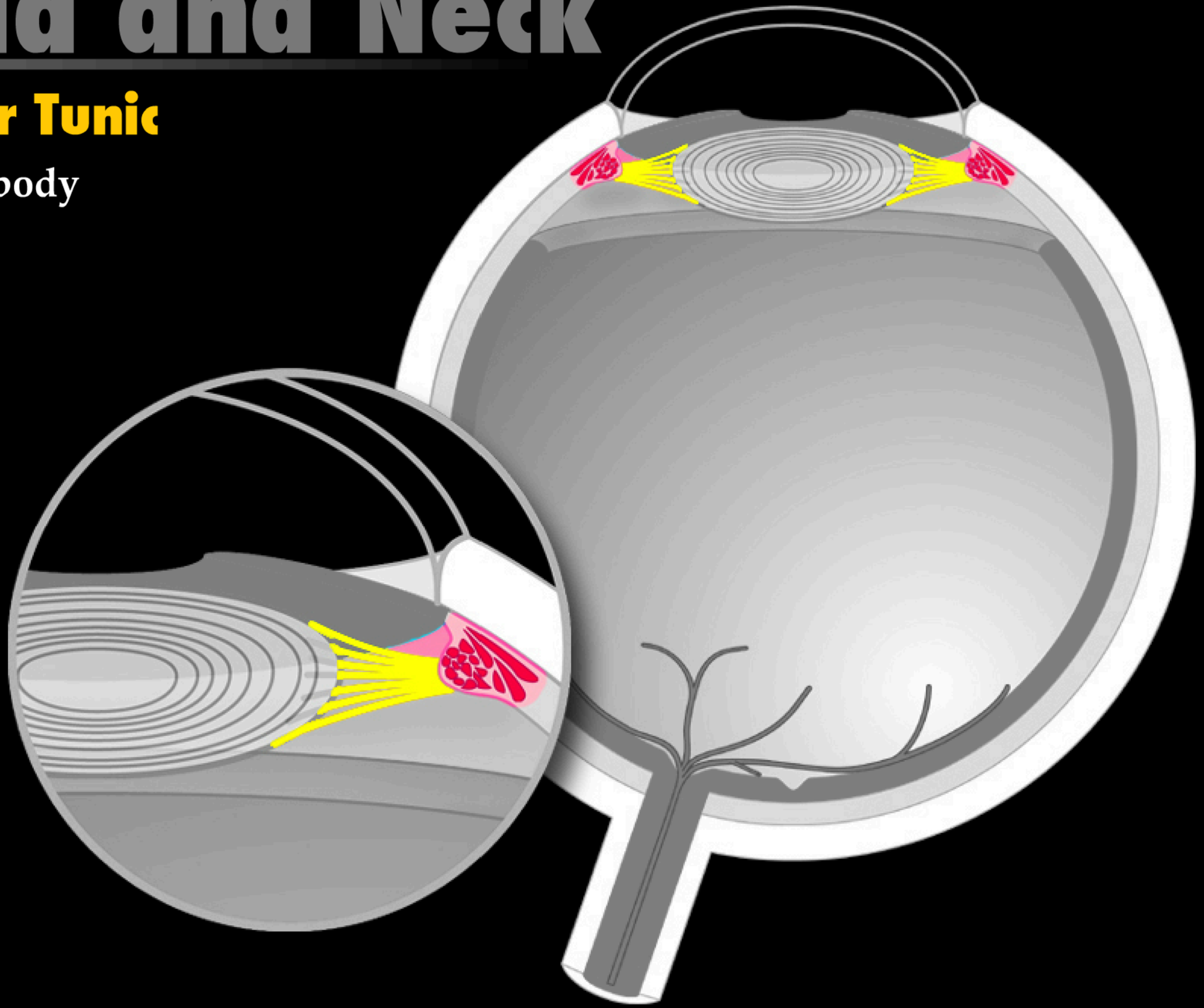
Choroid coat



Head and Neck

Vascular Tunic

Ciliary body



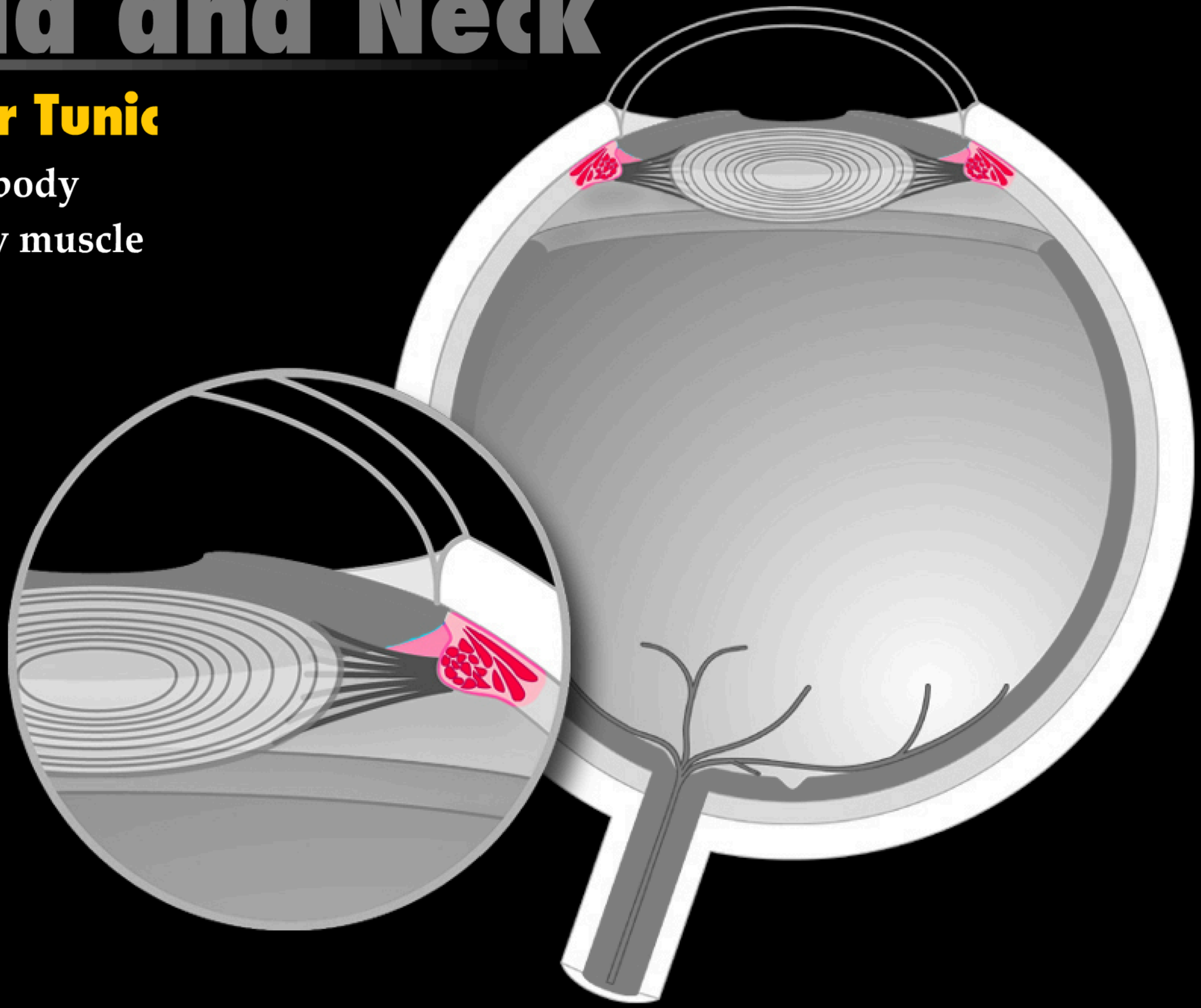
Eye

Head and Neck

Vascular Tunic

Ciliary body

Ciliary muscle



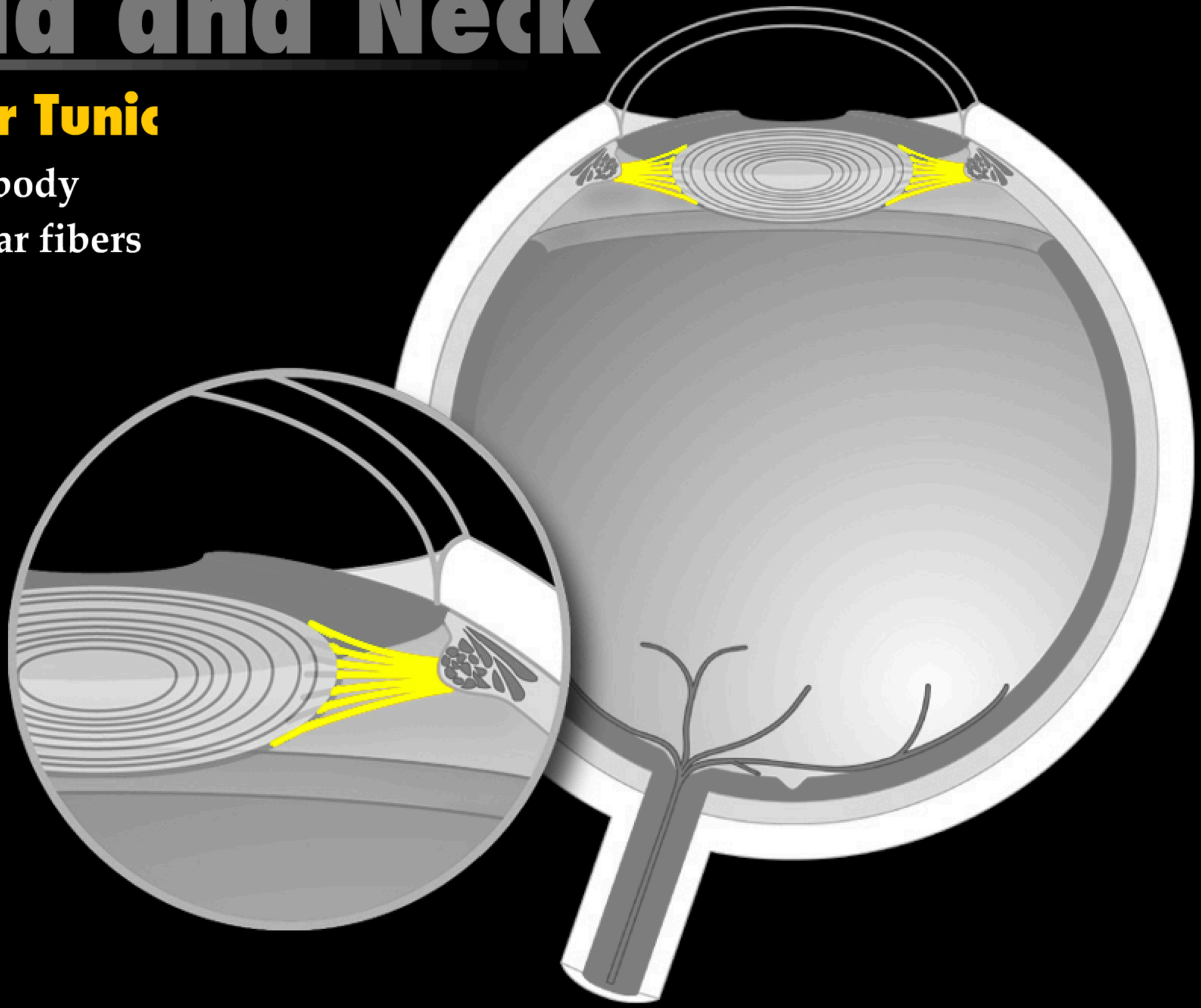
Eye

Head and Neck

Vascular Tunic

Ciliary body

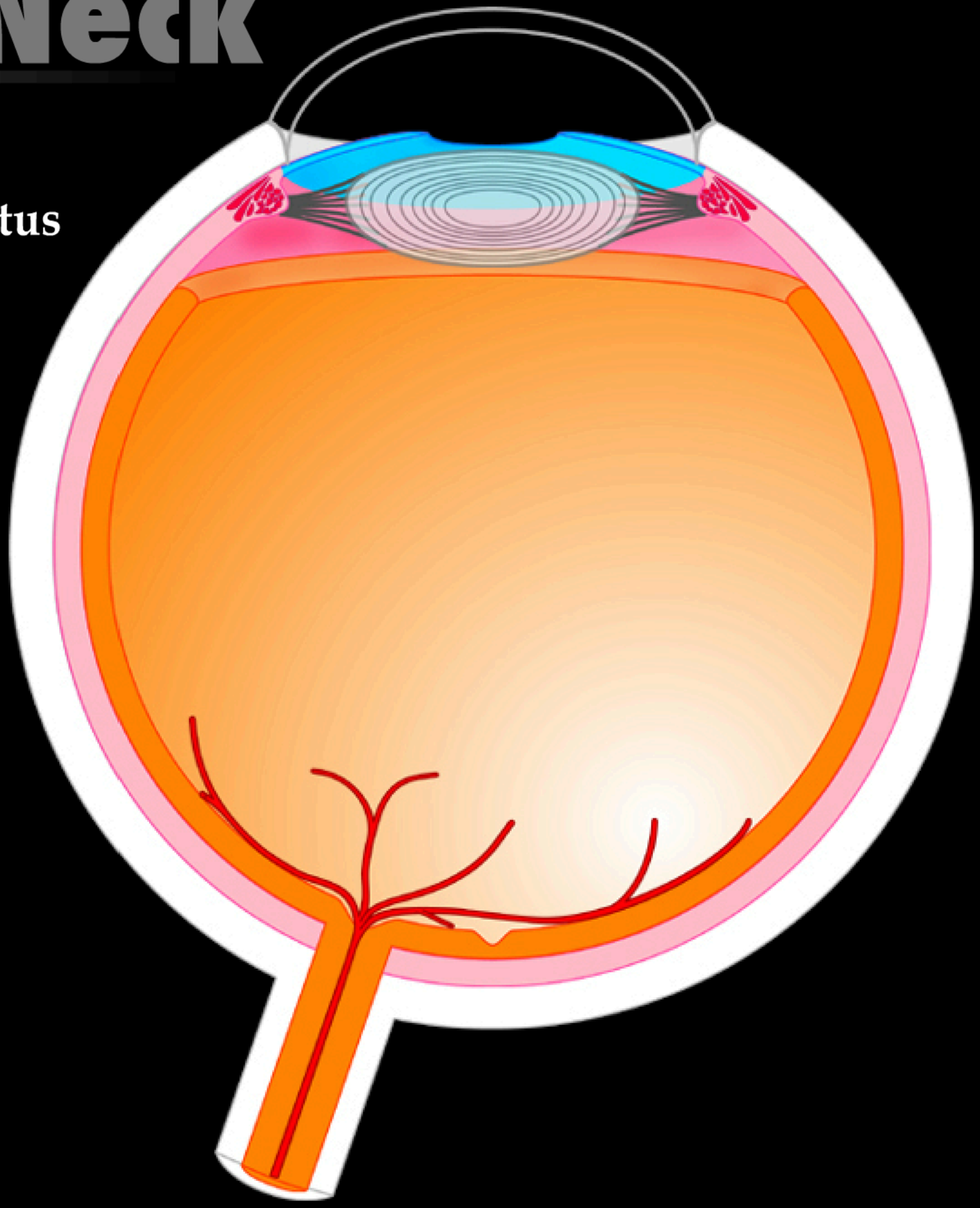
Zonular fibers



Vascular Tunic

Function of the ciliary apparatus

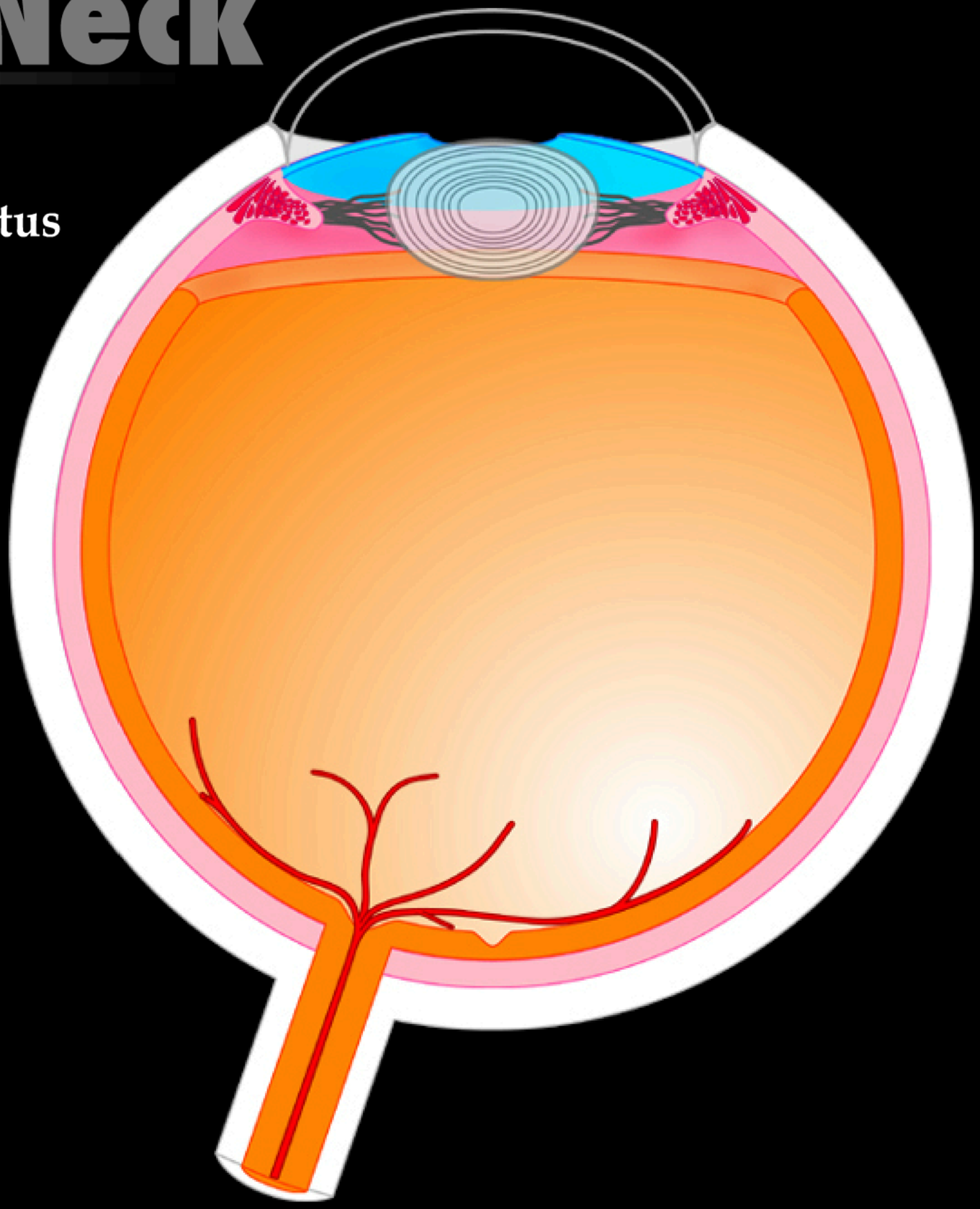
Ciliary muscles relaxed



Vascular Tunic

Function of the ciliary apparatus

Ciliary muscles contracted

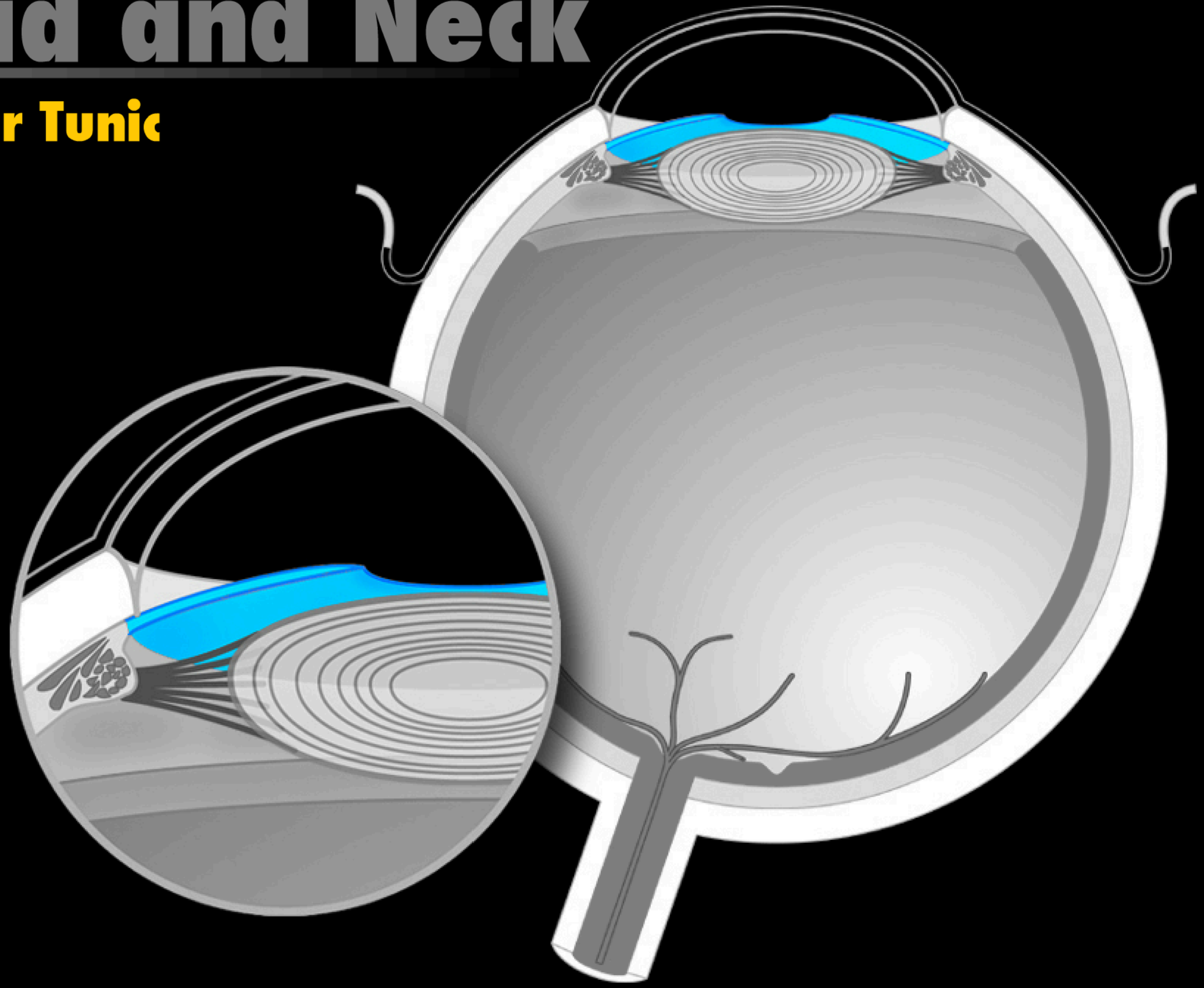


Head and Neck

Eye

Vascular Tunic

Iris



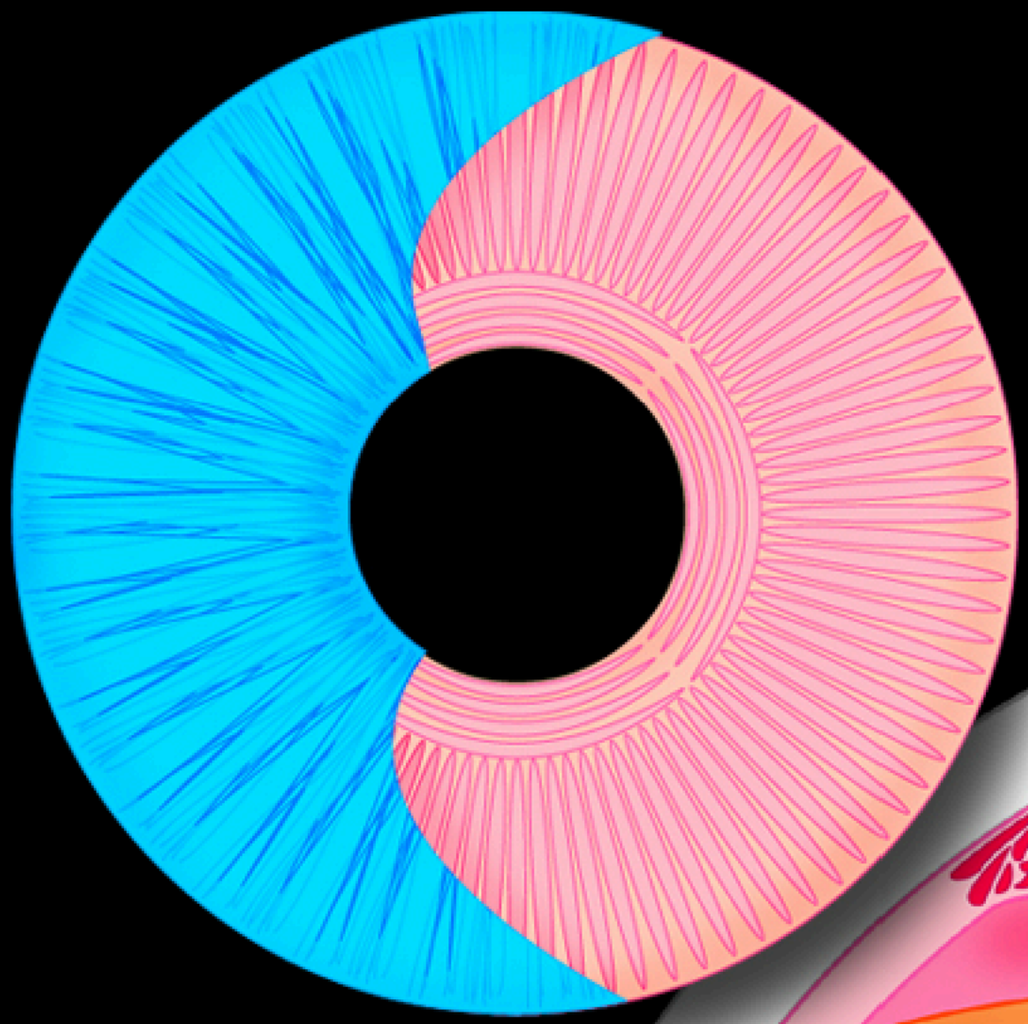
Eye

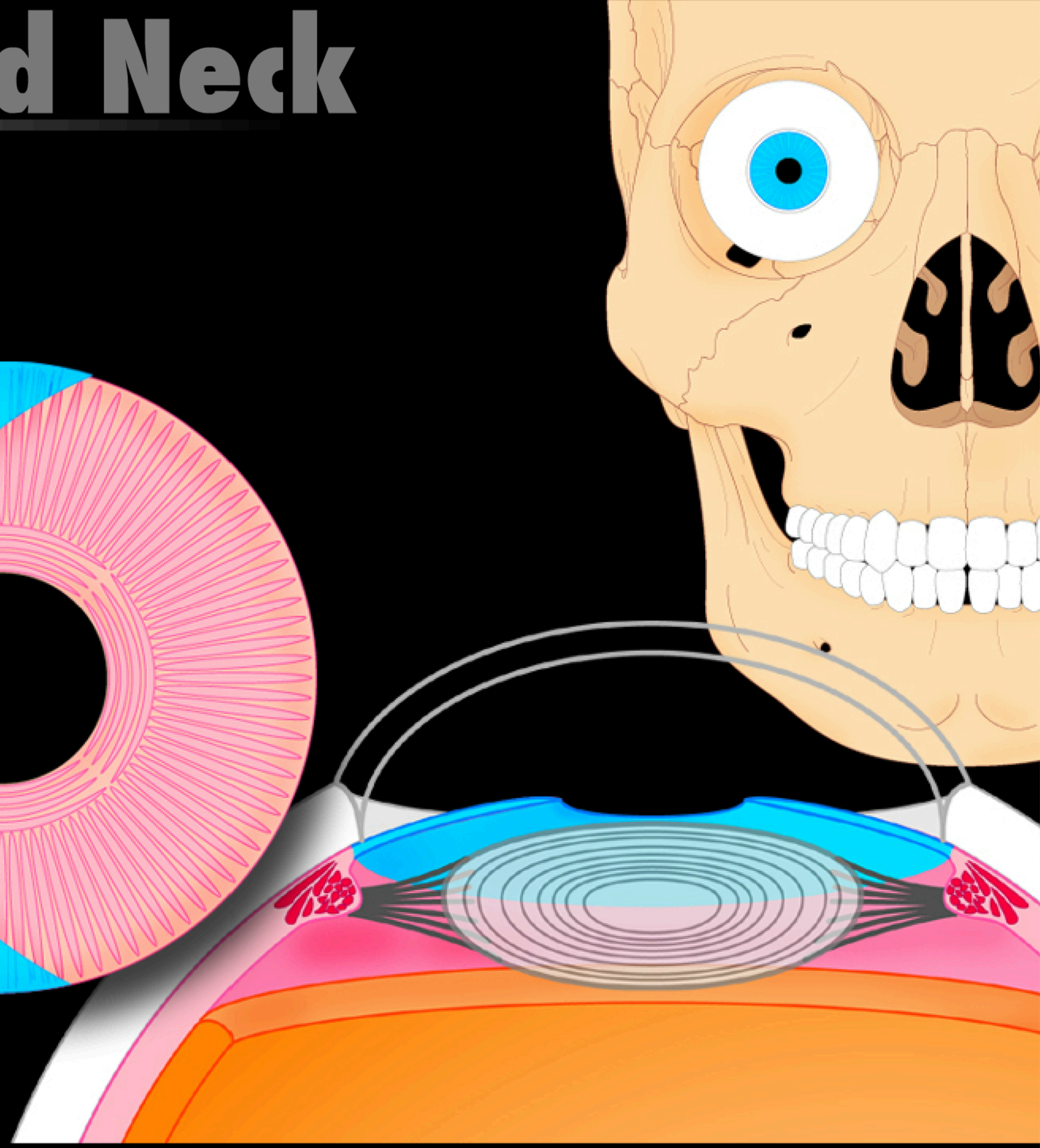
Head and Neck

Vascular Tunic

Iris

Pupil



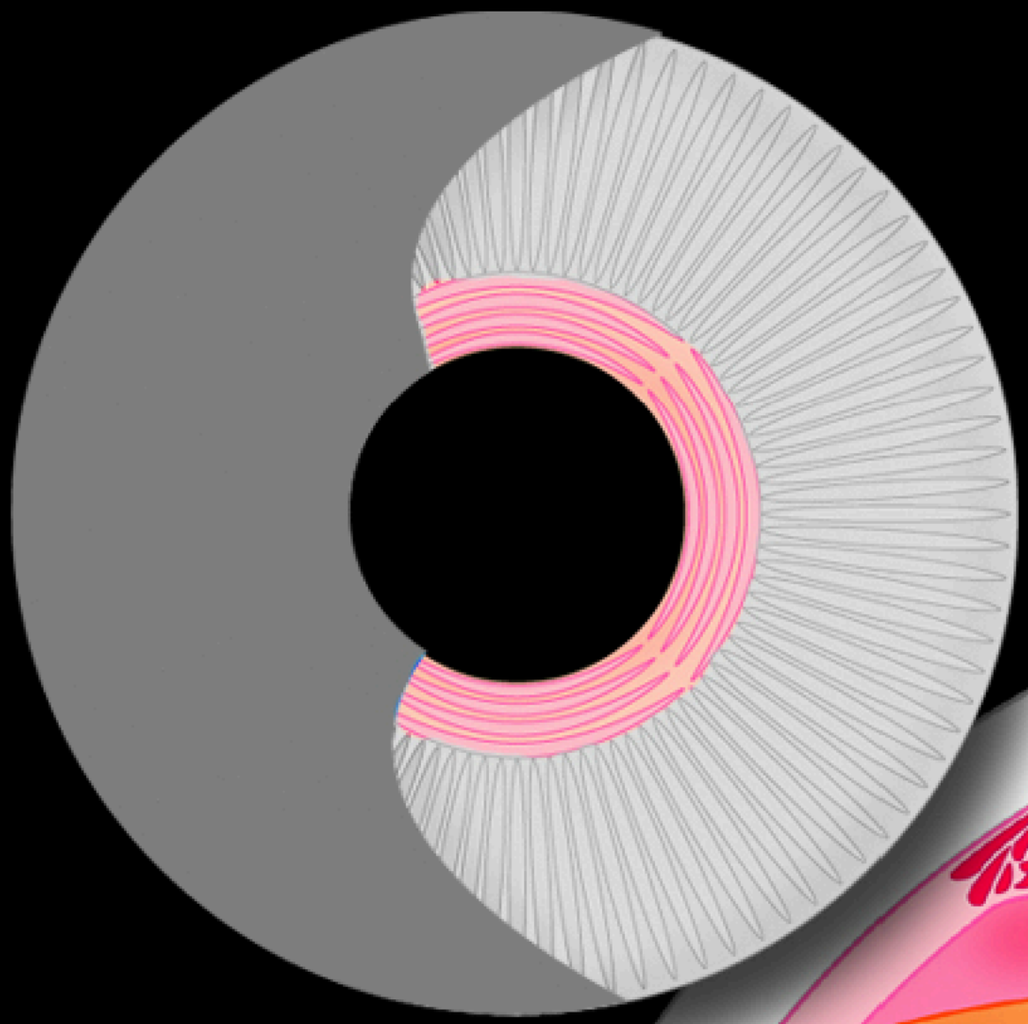


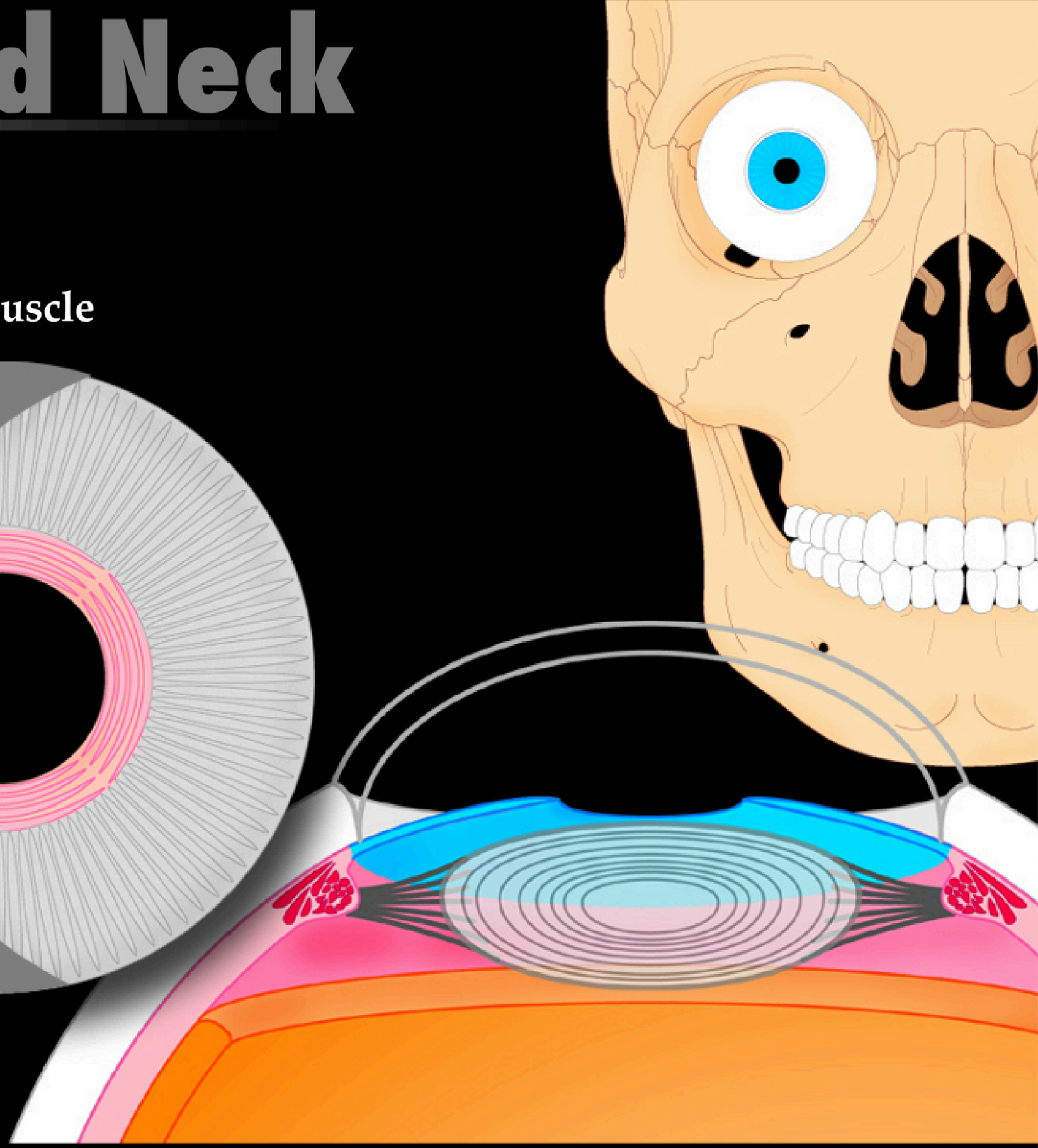
Head and Neck

Vascular Tunic

Iris

Sphincter pupillae muscle



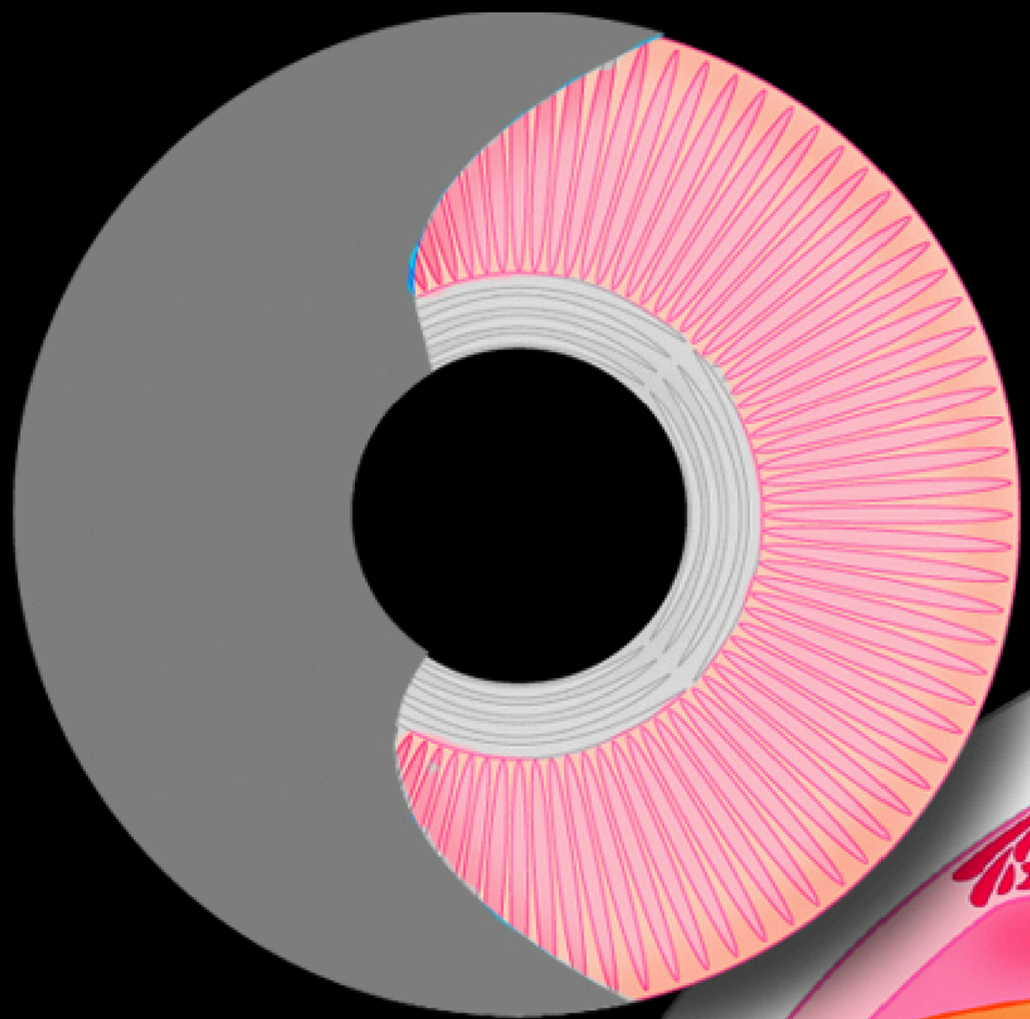


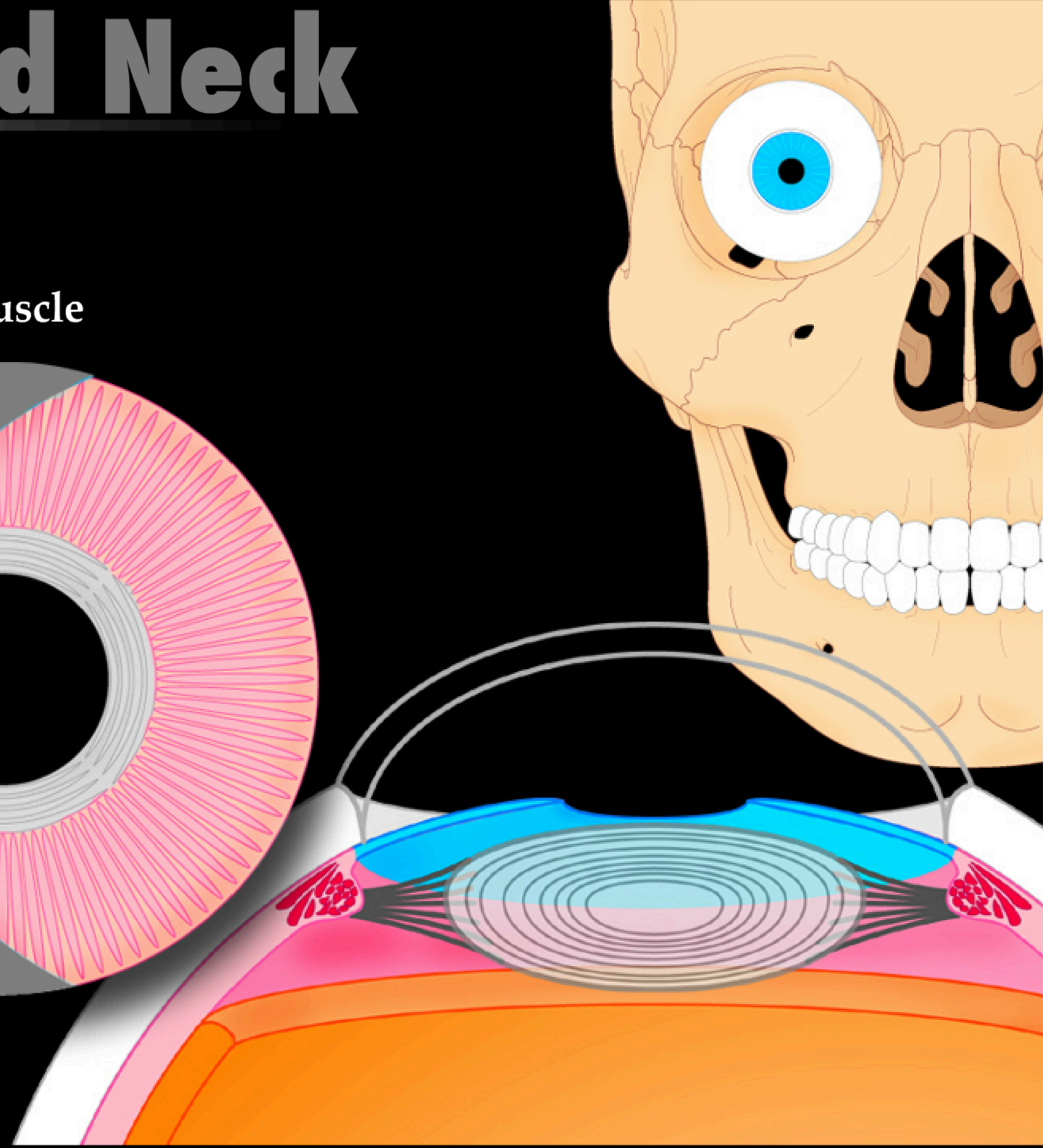
Head and Neck

Vascular Tunic

Iris

Dilatator pupillae muscle





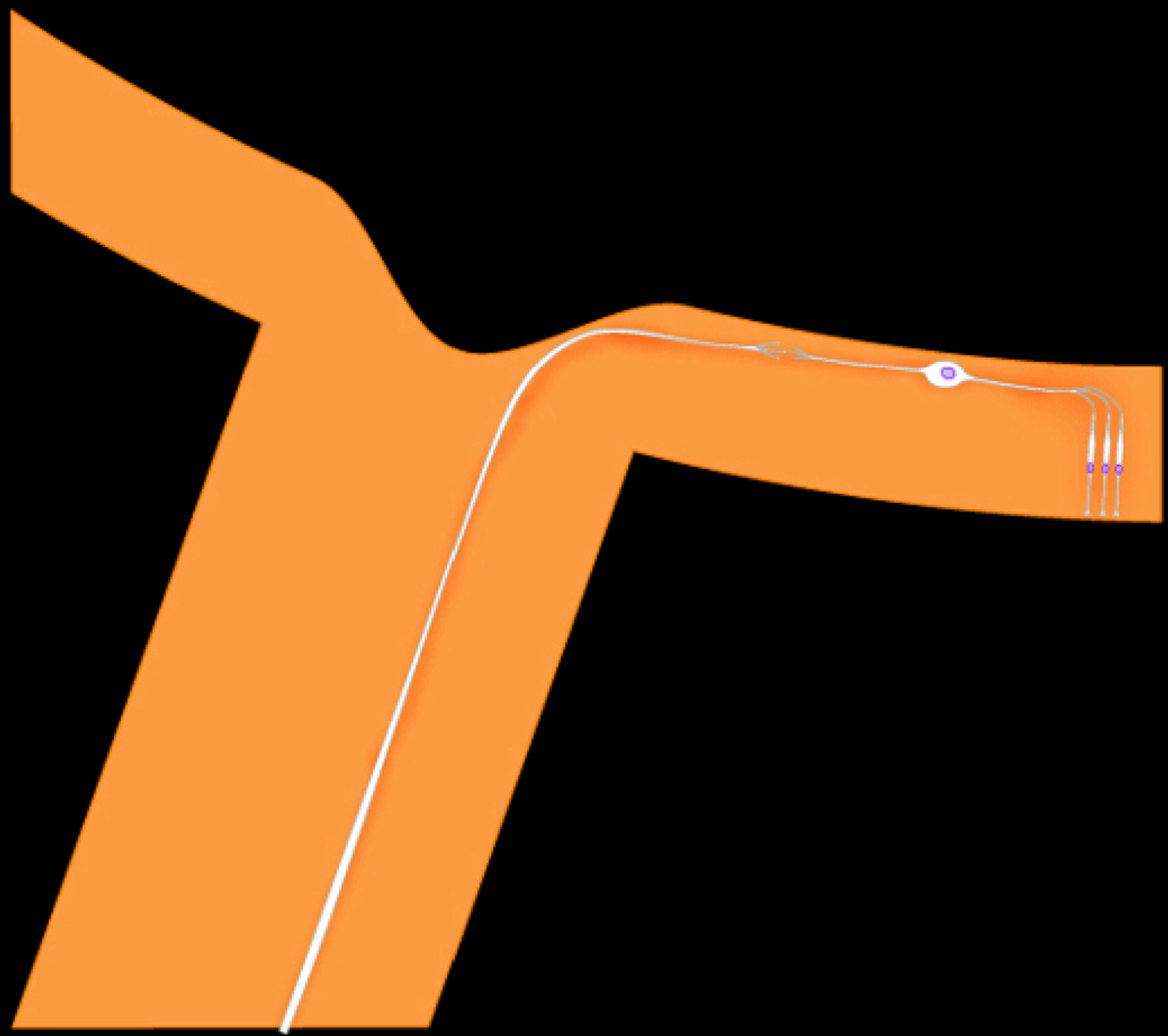
Eye

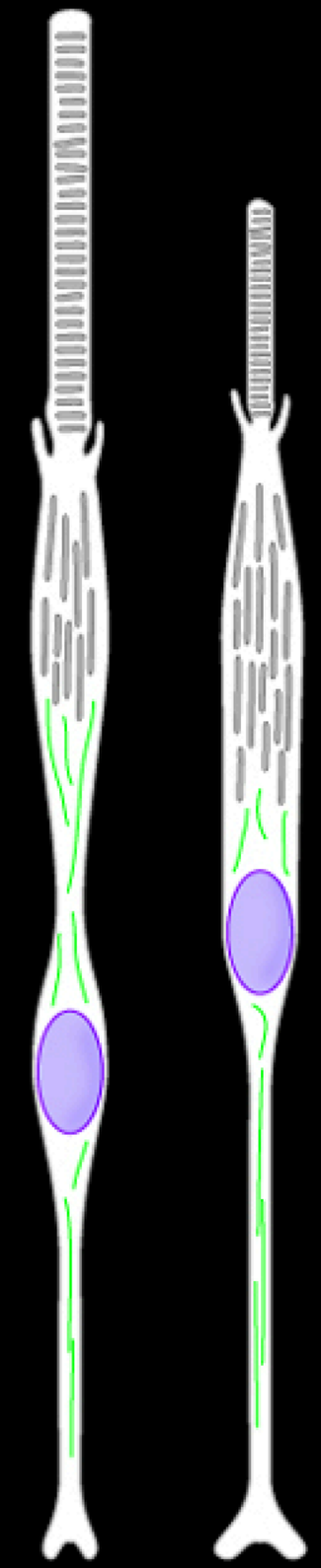
Head and Neck

Internal Tunic or Retina

Rods

Cones





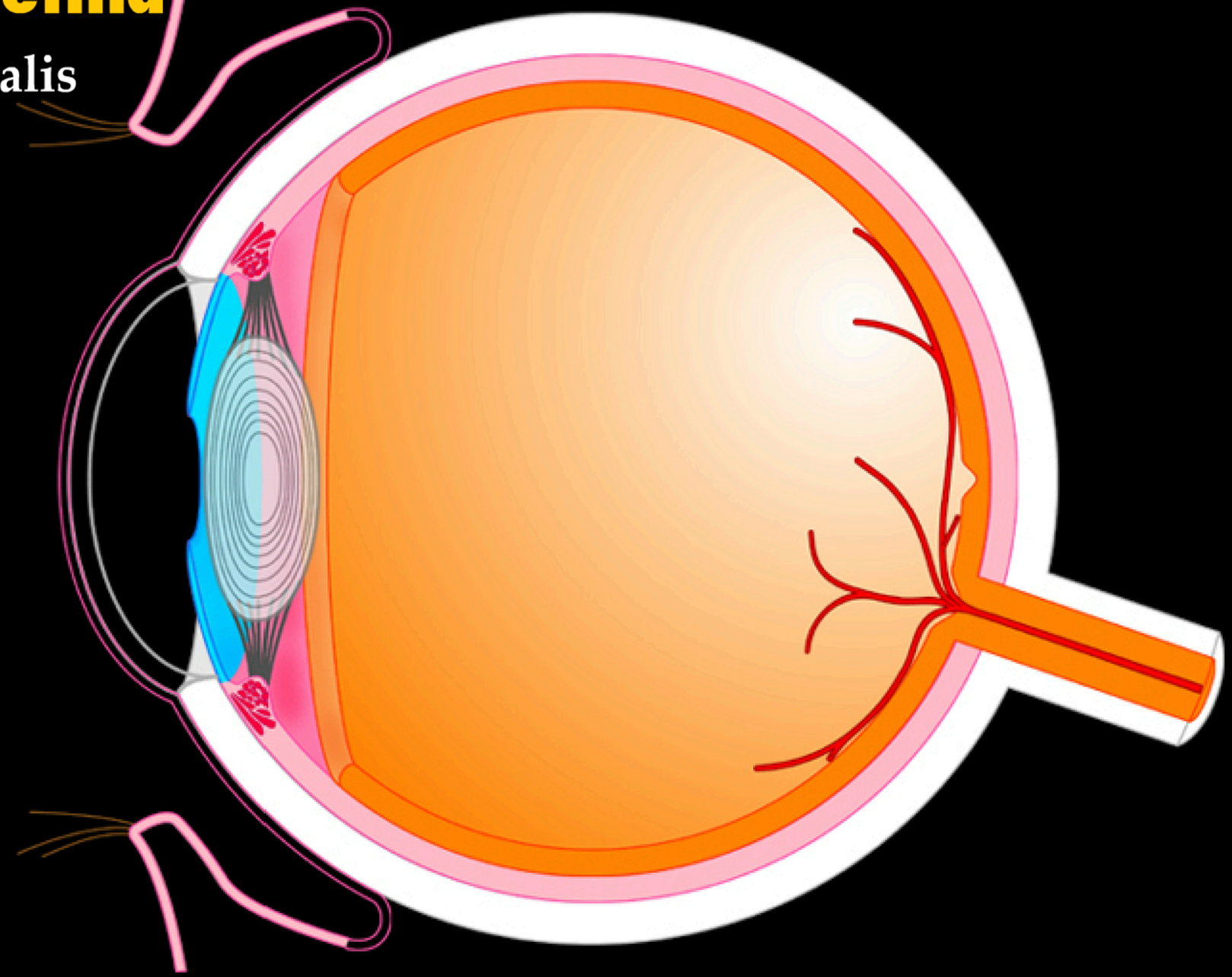
Eye

Head and Neck

Internal Tunic or Retina

Macula and fovea centralis

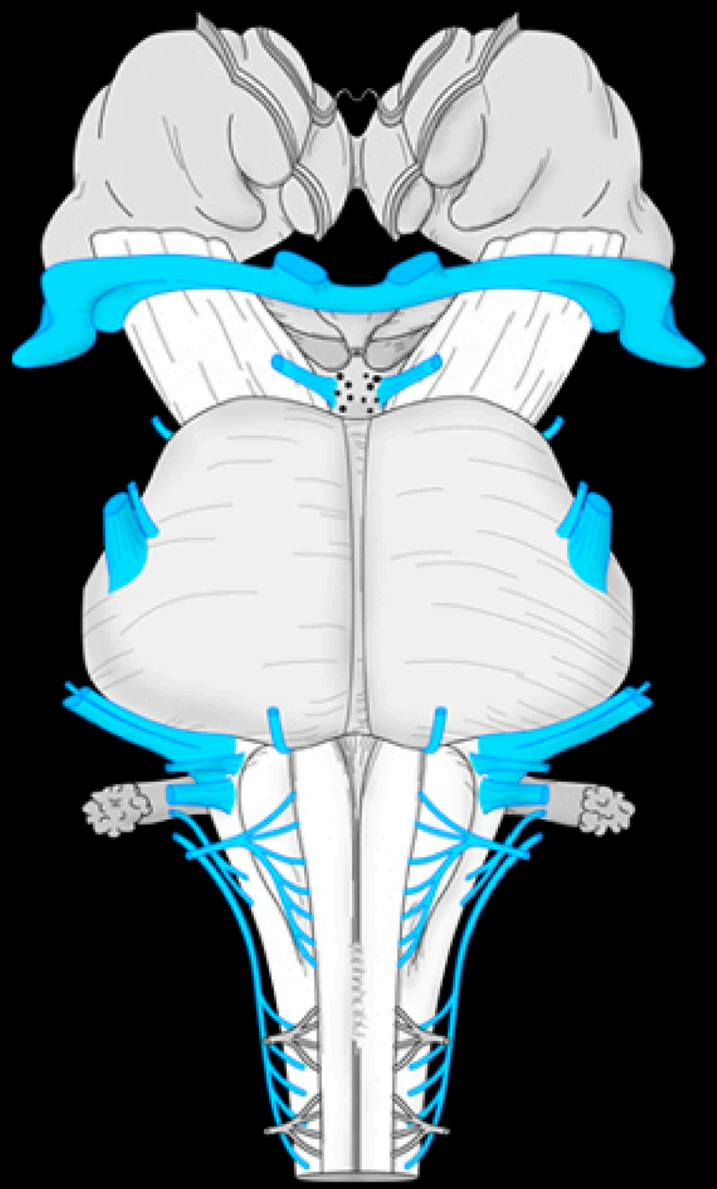
Optic disk (blind spot)

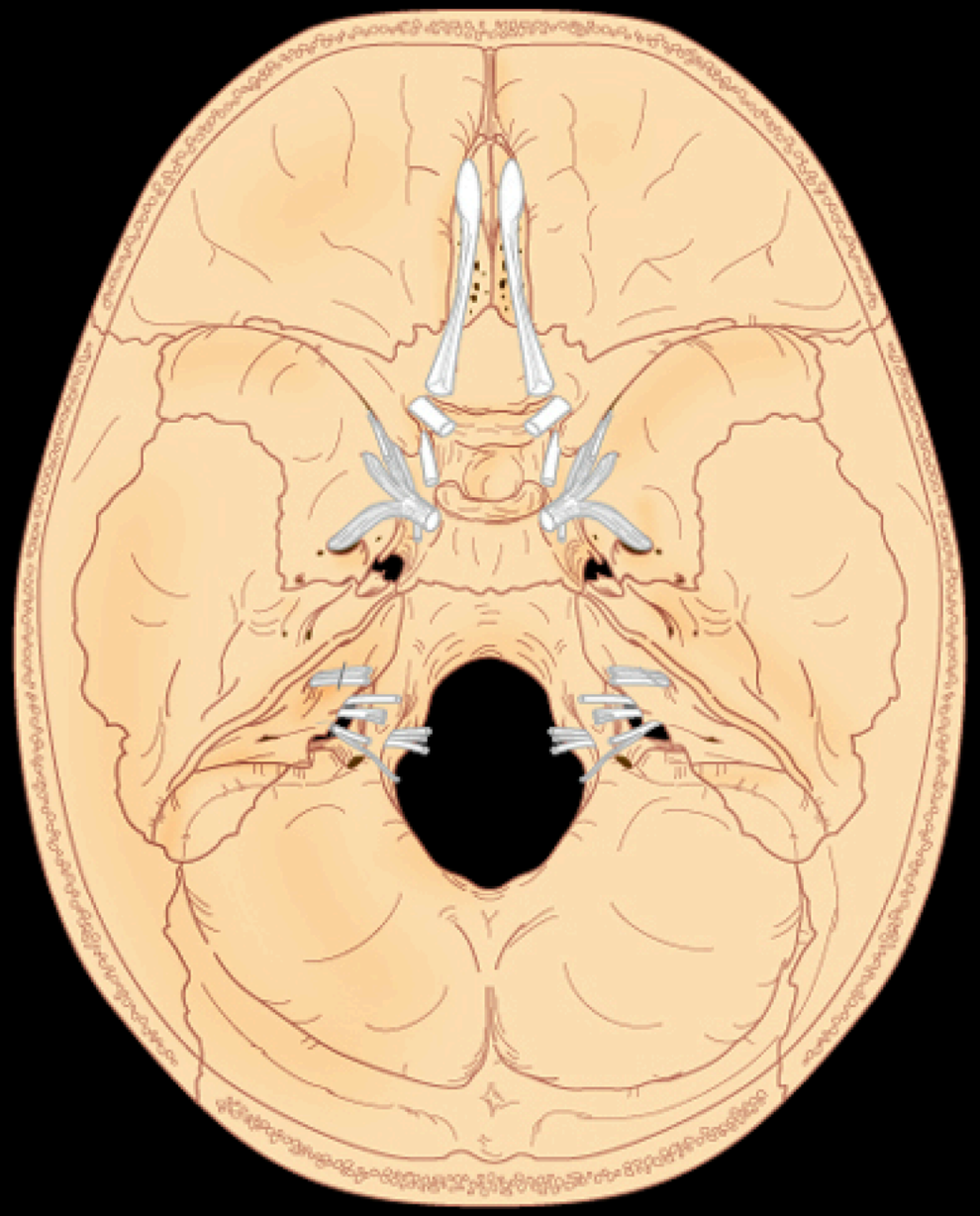


Head and Neck

Cranial Nerves

Review of Head Organization

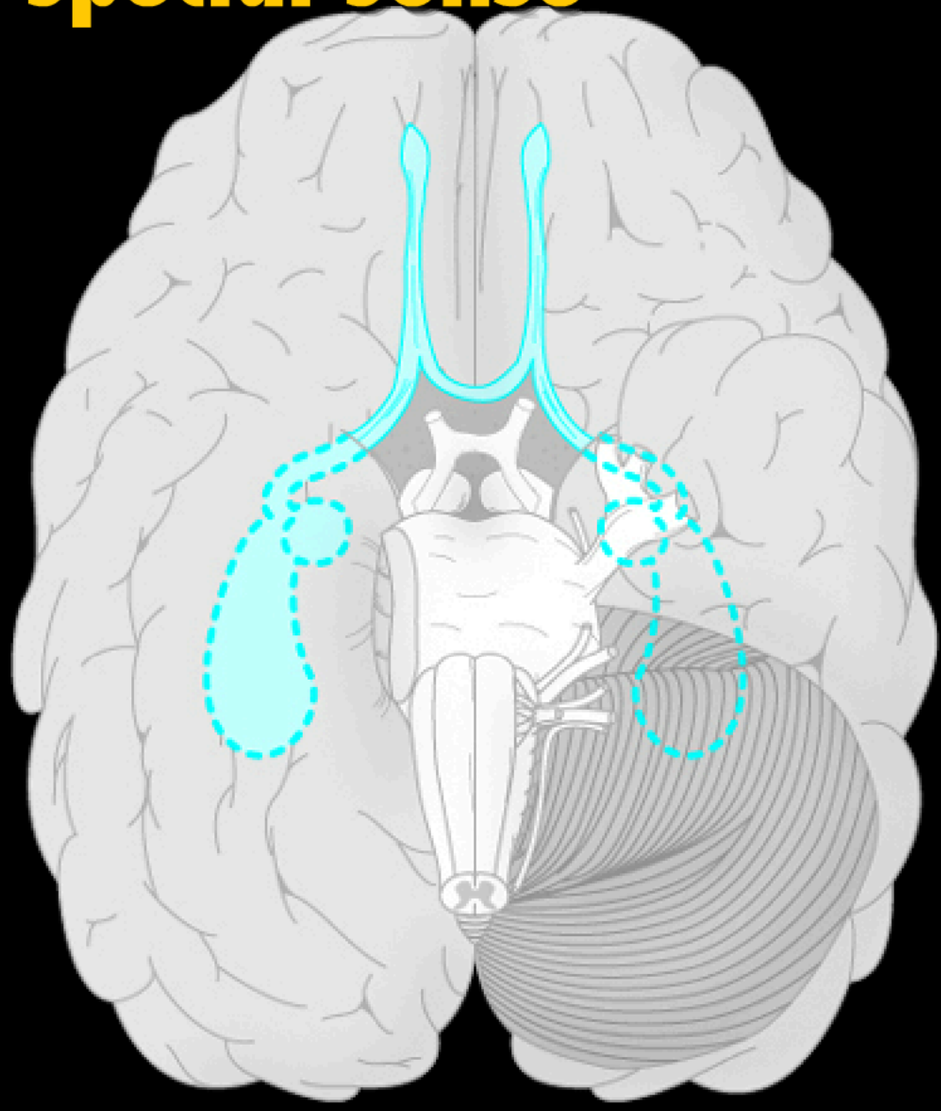




Head and Neck

Cranial Nerves to Organs of Special Sense

Olfactory nerve - CN I

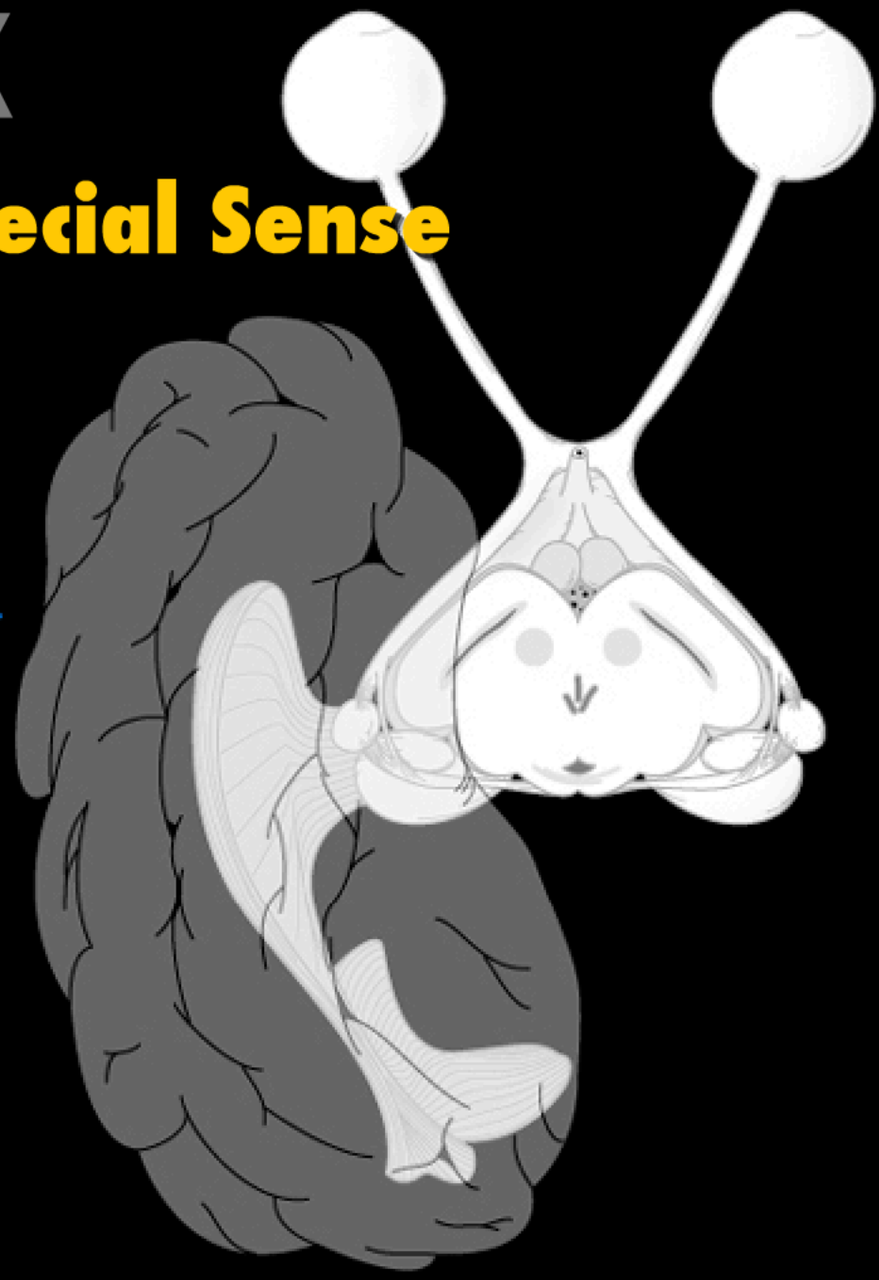


Head and Neck

Cranial Nerves to Organs of Special Sense

Optic nerve - CN II

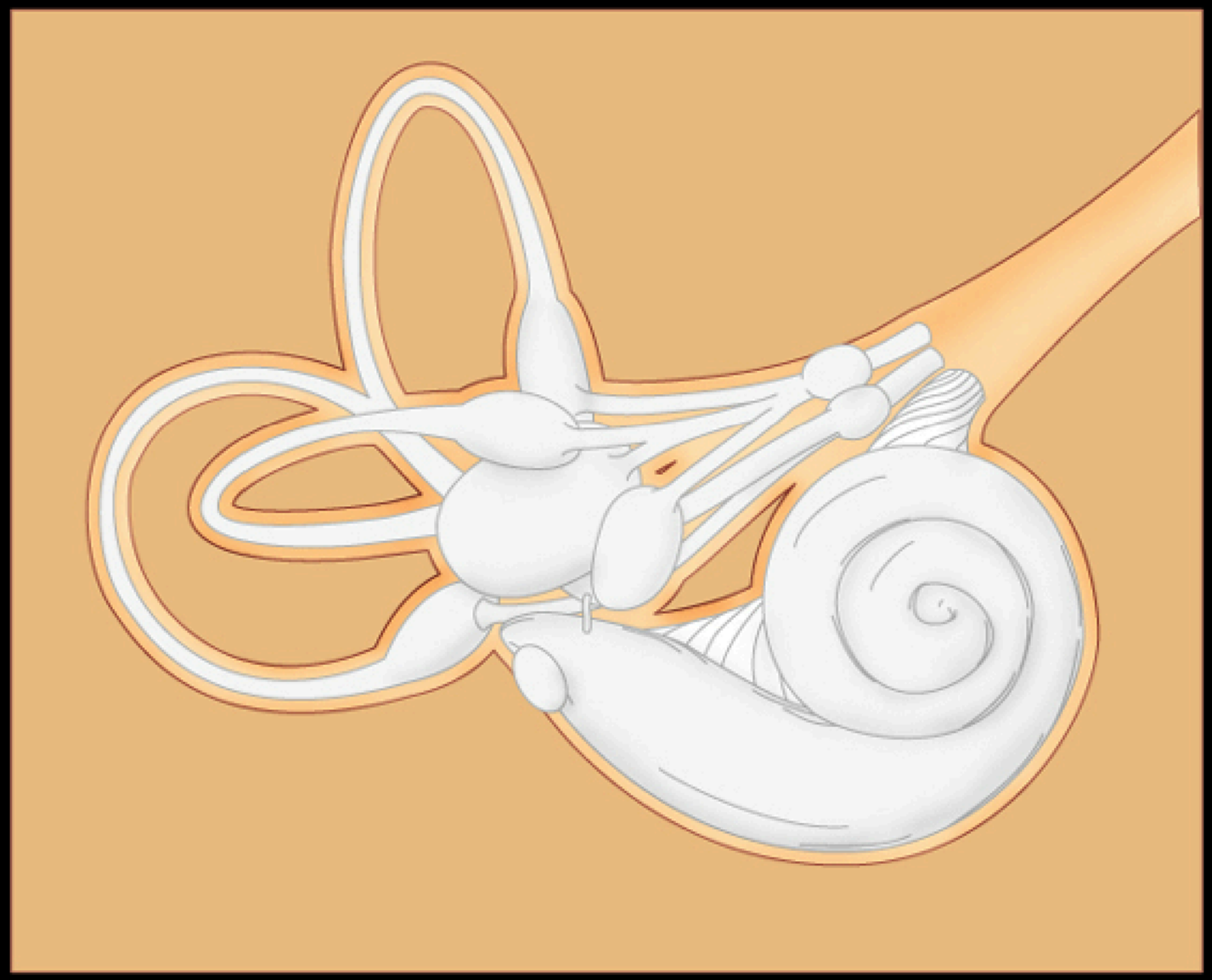




Head and Neck

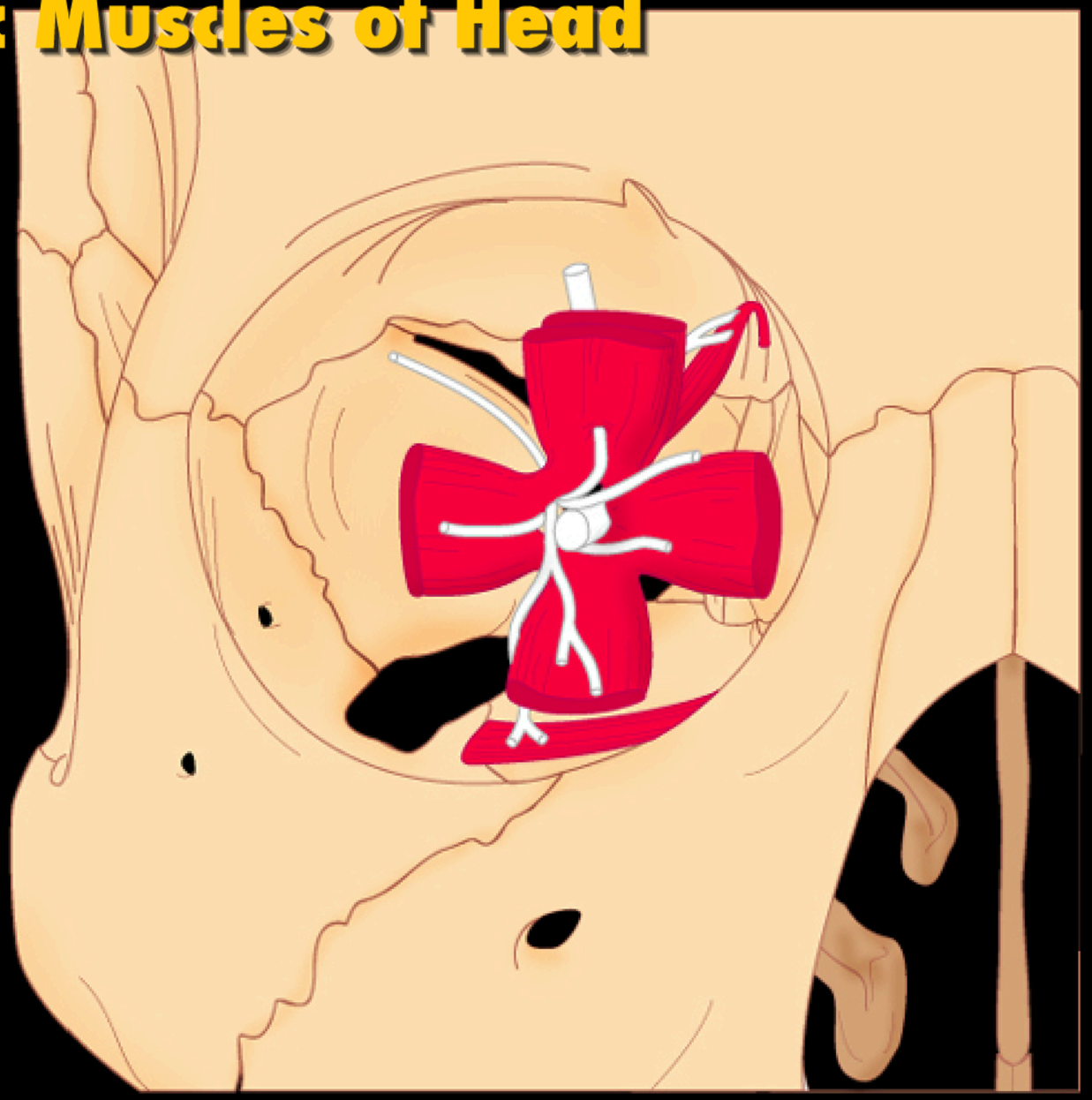
Cranial Nerves to Organs of Special Sense

Vestibulocochlear nerve - CN VIII



Cranial Nerves to Somitic Muscles of Head

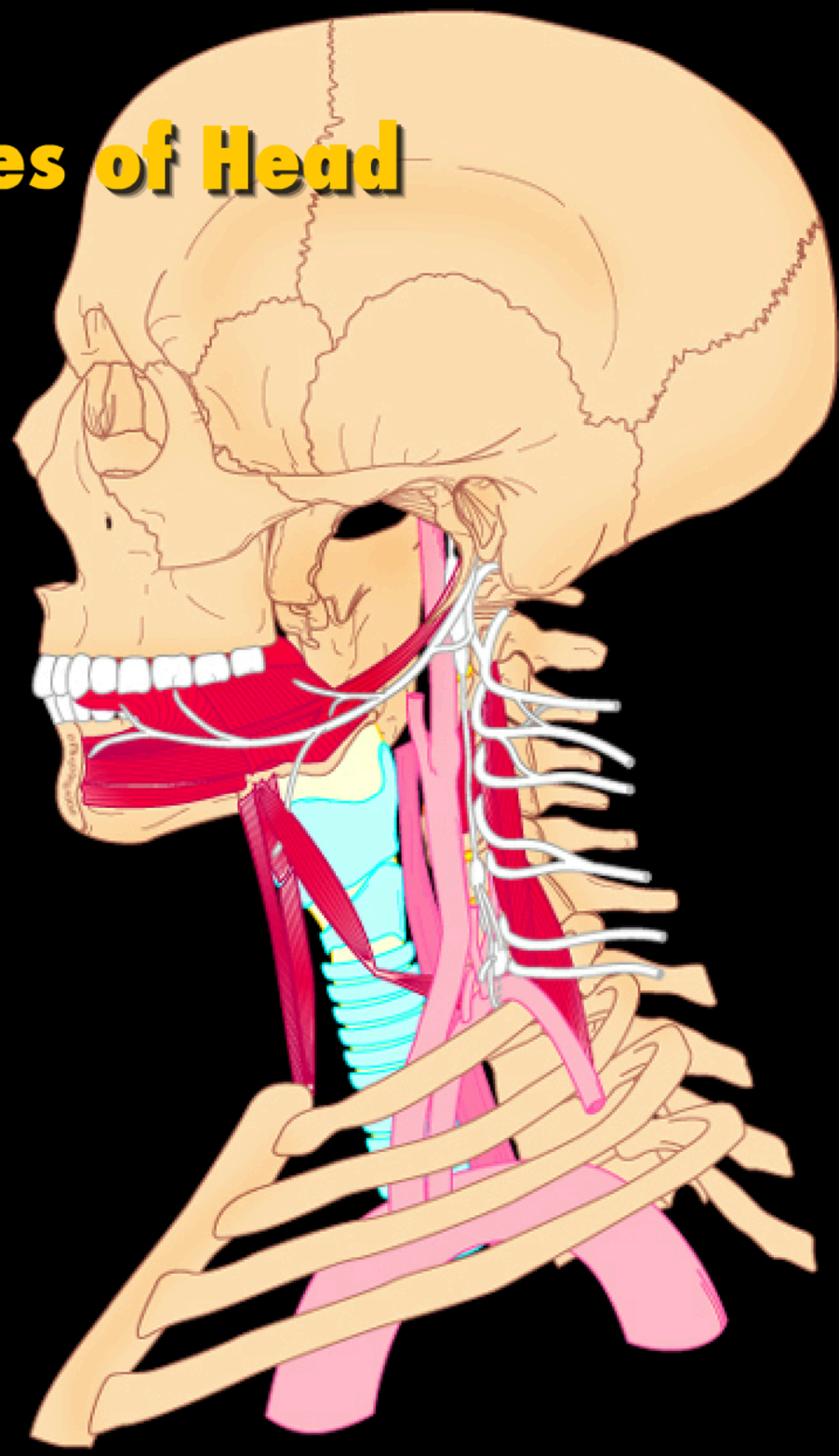
Oculomotor nerve - CN III
Trochlear nerve - CN IV
Abducens nerve - CN VI



Head and Neck

Cranial Nerves to Somitic Muscles of Head

Hypoglossal nerve - CN XII

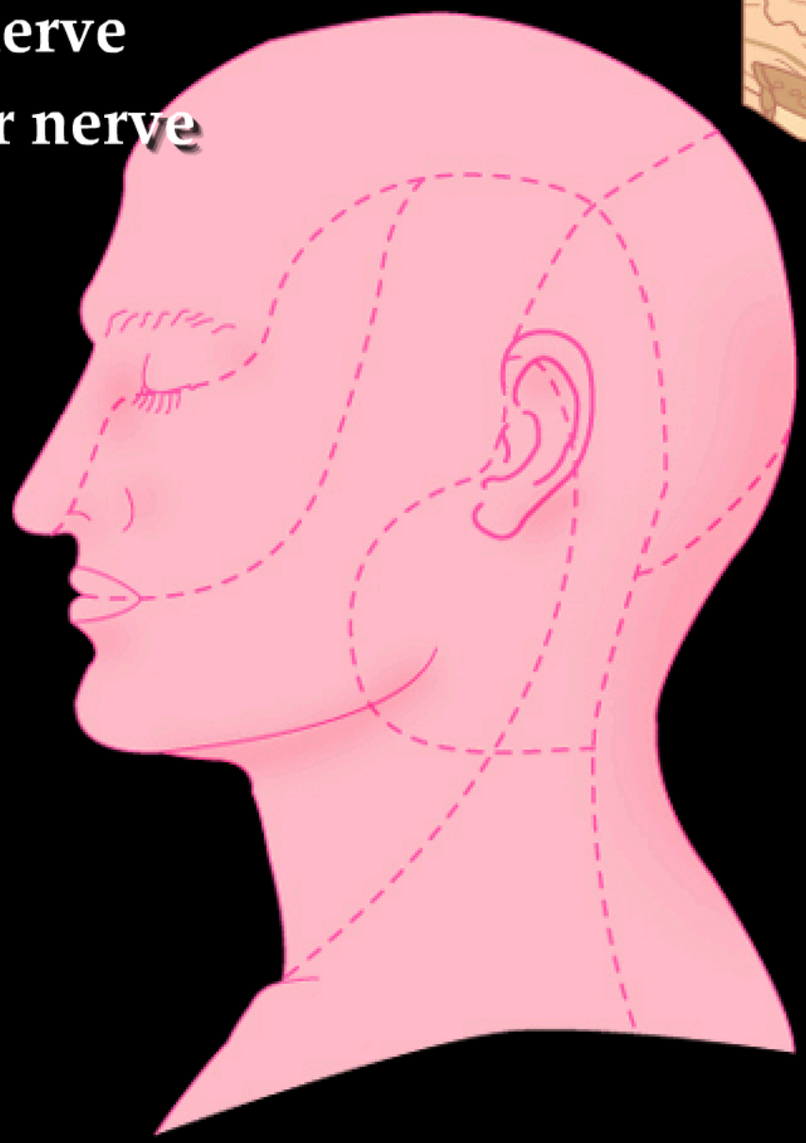


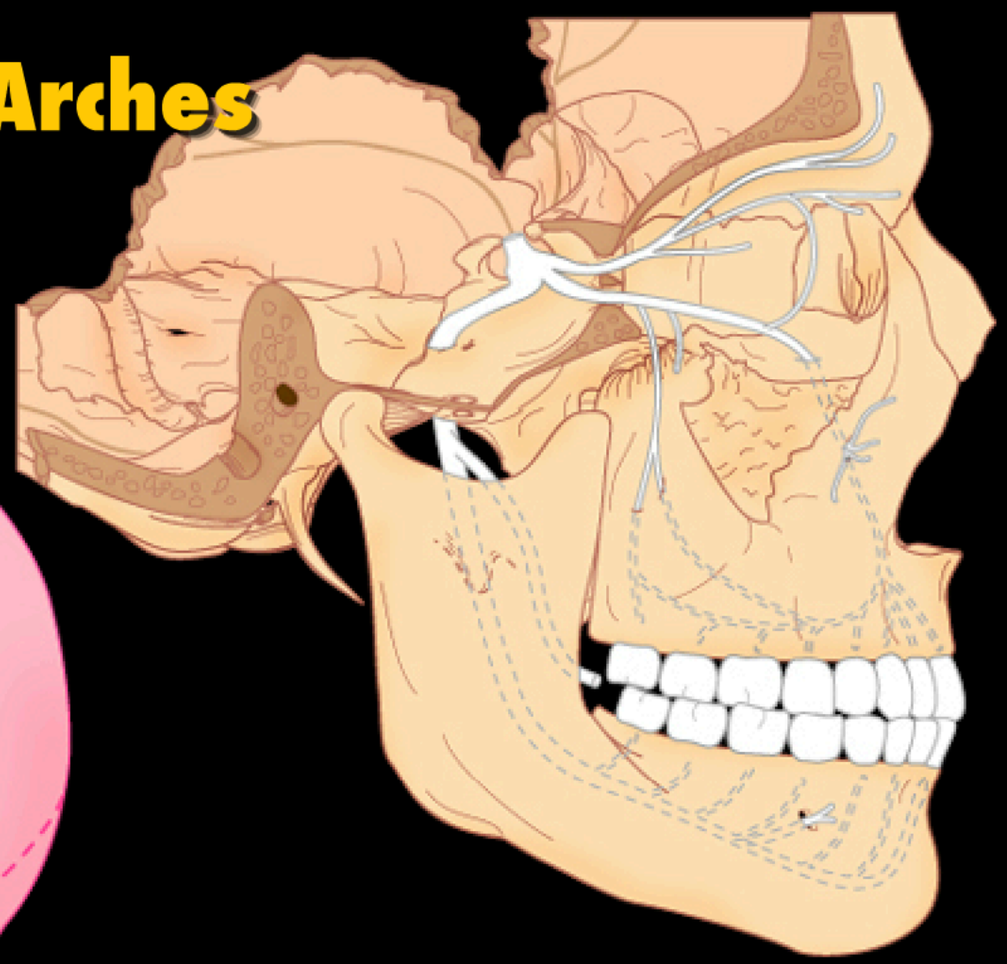
Head and Neck

Cranial Nerves to Branchial Arches

Trigeminal nerve - CN V

- Ophthalmic nerve
- Maxillary nerve
- Mandibular nerve

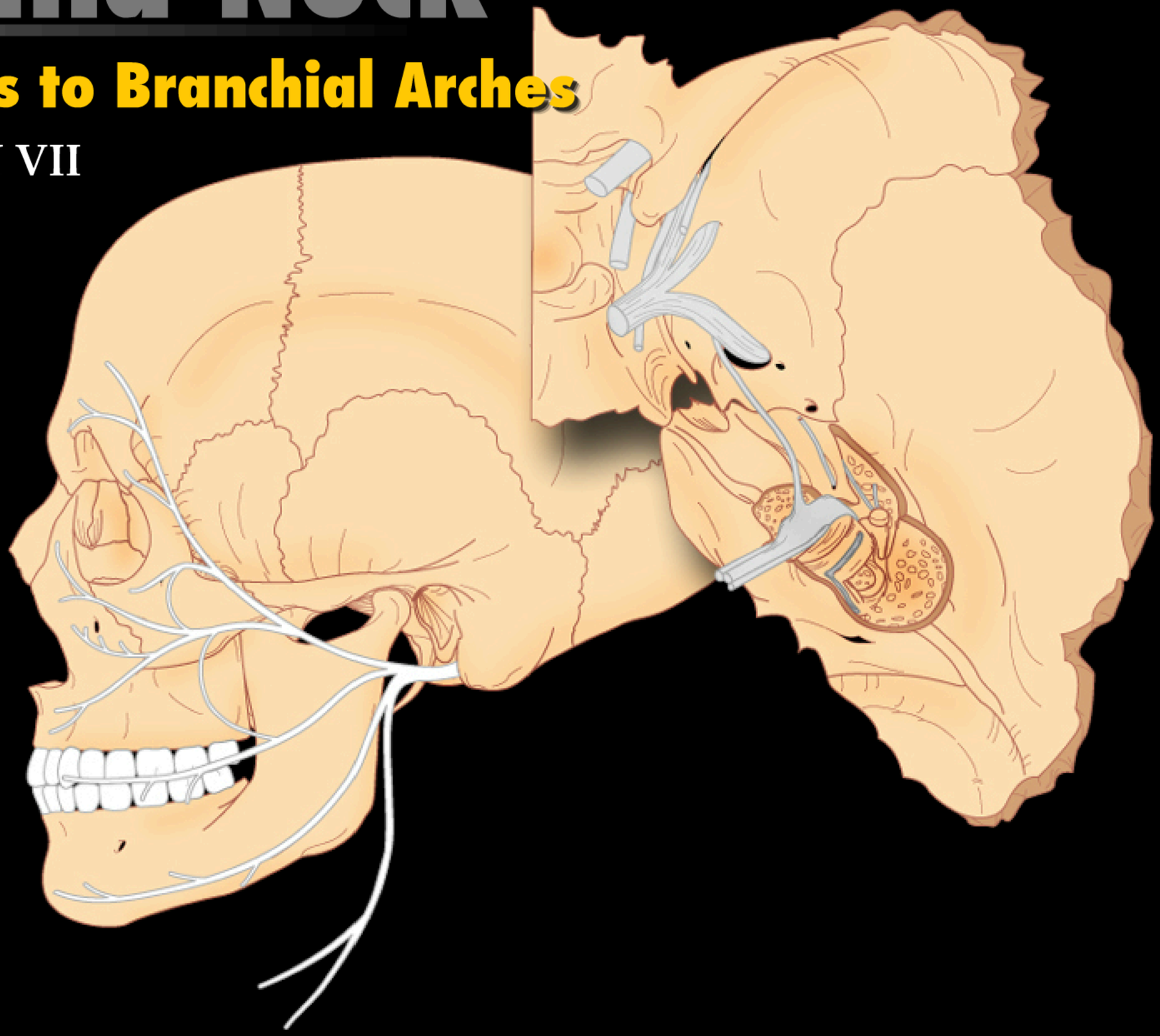




Head and Neck

Cranial Nerves to Branchial Arches

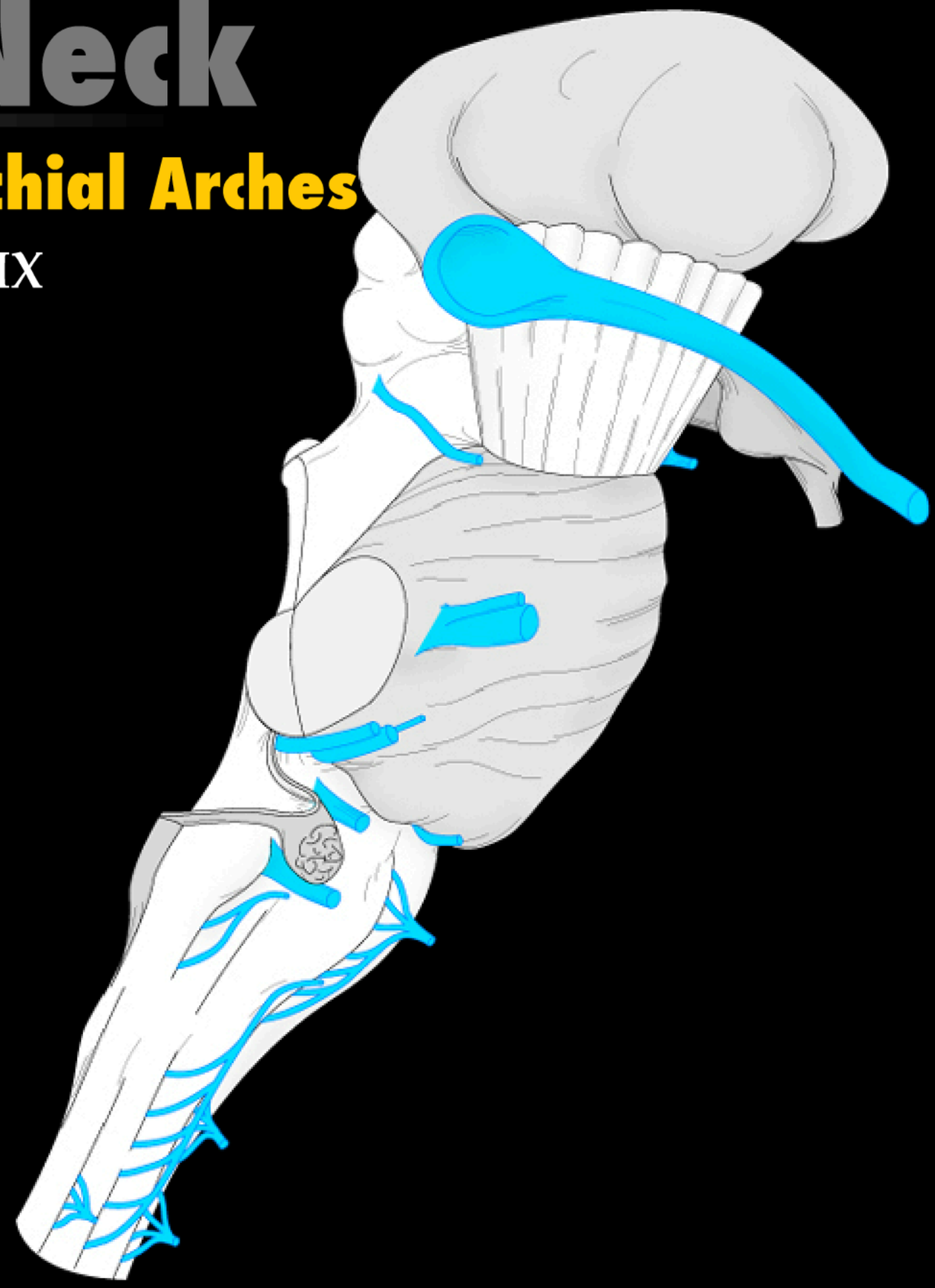
Facial nerve - CN VII



Head and Neck

Cranial Nerves to Branchial Arches

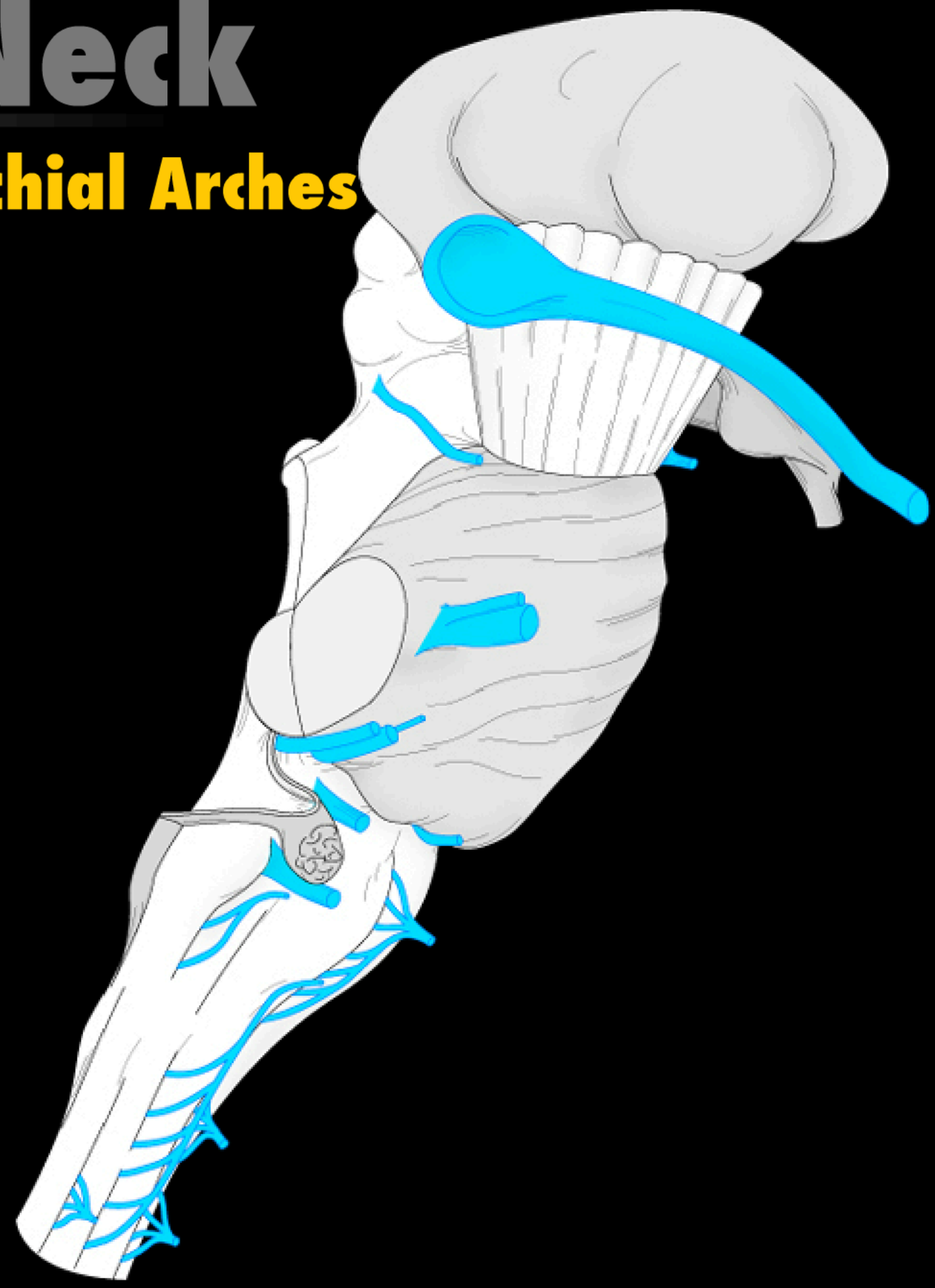
Glossopharyngeal nerve - CN IX



Head and Neck

Cranial Nerves to Branchial Arches

Vagus nerve - CN X



Head and Neck

Cranial Nerves to Branchial Arches

Accessory nerve - CN XI

