

PNS-Anatomy

Archive

Lecture 4

THE ORBIT CAVITY &
LACRIMAL APPARATUS

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1. All of the following share information in the boundaries of the orbital base EXCEPT:

- A) Zygomatic bone and maxilla
- B) Zygomatic process of frontal bone
- C) Frontal process of maxilla
- D) Lacrimal bone

Answer : D) Lacrimal bone

2. All the following structures pass through the upper part of the superior orbital fissure EXCEPT:

- A) Lacrimal nerve
- B) Frontal nerve
- C) Nasociliary nerve
- D) Superior ophthalmic vein
- E) Trochlear nerve

Answer : C) Nasociliary nerve

3. The parasympathetic preganglionic fibers of the ciliary ganglion arise from:

- A) Edinger-Westphal nucleus
- B) Facial nucleus
- C) Trigeminal nucleus
- D) Hypoglossal nucleus

Answer : A) Edinger-Westphal nucleus

4. The parasympathetic root to the ciliary ganglion is carried by:

- A) Nerve to inferior oblique
- B) Nerve to medial rectus
- C) Nerve to superior rectus
- D) Nerve to inferior rectus

Answer : A) Nerve to inferior oblique

5. The inferior orbital fissure communicates with:

- A) Middle cranial fossa
- B) Infratemporal fossa
- C) Pterygopalatine fossa
- D) Nasal cavity

Answer : C) Pterygopalatine fossa

6. The optic canal communicates with the:

- A) Anterior cranial fossa
- B) Middle cranial fossa
- C) Posterior cranial fossa
- D) Nasal cavity

Answer : B) Middle cranial fossa

7. The optic canal is located:

- A) In the greater wing of sphenoid
- B) In the lesser wing of sphenoid just medial to the superior orbital fissure
- C) In the body of sphenoid
- D) In the frontal bone

Answer : B) In the lesser wing of sphenoid just medial to the superior orbital fissure

8. The superior orbital fissure communicates with the:

- A) Posterior cranial fossa
- B) Nasal cavity
- C) Middle cranial fossa
- D) Pterygopalatine fossa

Answer : C) Middle cranial fossa

9. Which of the following transmits the supraorbital nerve and blood vessels ?

- A) Infraorbital canal
- B) Supraorbital notch (foramen)
- C) Optic canal
- D) Nasolacrimal canal

Answer : B) Supraorbital notch (foramen)

10. The nasolacrimal canal opens into the:

- A) Superior meatus of nose
- B) Middle meatus of nose
- C) Inferior meatus of nose
- D) Nasopharynx

Answer : C) Inferior meatus of nose

11. Which nerve supplies the superior oblique muscle?

- A) Oculomotor nerve
- B) Trochlear nerve
- C) Abducent nerve
- D) Optic nerve

Answer : B) Trochlear nerve

12. The nasociliary nerve arises from:

- A) Maxillary division of trigeminal nerve
- B) Mandibular division of trigeminal nerve
- C) Ophthalmic division of trigeminal nerve
- D) Facial nerve

Answer : C) Ophthalmic division of trigeminal nerve

13. The frontal nerve divides into:

- A) Infraorbital and zygomatic nerves
- B) Supratrochlear and supraorbital nerves
- C) Nasociliary and lacrimal nerves
- D) Zygomatic and lacrimal nerves

Answer : B) Supratrochlear and supraorbital nerves

14. The abducent nerve supplies the:

- A) Superior rectus muscle
- B) Medial rectus muscle
- C) Lateral rectus muscle
- D) Inferior oblique muscle

Answer : C) Lateral rectus muscle

15. The ciliary ganglion is located:

- A) In the anterior part of orbit
- B) In the posterior part of orbit near the apex
- C) In the nasal cavity
- D) In the middle cranial fossa

Answer : B) In the posterior part of orbit near the apex

16. The ciliary ganglion lies between:

- A) Optic nerve and medial rectus
- B) Optic nerve and lateral rectus
- C) Lateral rectus and superior rectus
- D) Optic nerve and superior rectus

Answer : B) Optic nerve and lateral rectus

17. The ophthalmic artery is a branch of the:

- A) External carotid artery
- B) Internal carotid artery
- C) Vertebral artery
- D) Basilar artery

Answer : B) Internal carotid artery

18. The ophthalmic artery enters the orbit through the:

- A) Inferior orbital fissure
- B) Superior orbital fissure
- C) Optic canal
- D) Supraorbital foramen

Answer : C) Optic canal

19. The central artery of the retina enters the eyeball at the:

- A) Cornea
- B) Optic disc
- C) Lens
- D) Retina margin

Answer : B) Optic disc

20. The lacrimal gland opens into:

- A) Medial part of inferior fornix
- B) Lateral part of superior fornix
- C) Medial part of superior fornix
- D) Inferior conjunctival sac

Answer : B) Lateral part of superior fornix

21. The lacrimal gland consists of:

- A) Orbital part only
- B) Palpebral part only
- C) Orbital and palpebral parts
- D) Nasal and orbital parts

Answer : C) Orbital and palpebral parts

22. Tears pass in the following order:

- A) Lacrimal sac → canaliculi → puncta
- B) Conjunctival sac → lacrimal puncta → canaliculi → lacrimal sac → nasolacrimal duct → inferior meatus
- C) Canaliculi → puncta → lacrimal sac
- D) Lacrimal sac → conjunctival sac

Answer : B) Conjunctival sac → lacrimal puncta → canaliculi → lacrimal sac → nasolacrimal duct → inferior meatus

اللهم إنا نسألك الخير كله عاجله وآجله، ما علمنا منه وما لم نعلم، ونعوذ بك من الشر كله ما علمنا منه وما لم نعلم.