

PNS-Histology

Archive

Lecture 1

The eye (Part I)

Corrected by:

Ammar Almadhoun

1. Cornea transplantation is successful due to:

- A) non keratinised epithelium
- B) free nerve endings
- C) no blood vessel.
- D) parallel fibres

Answer : C

2. The layer where the LASIK technique is done :

- A. Connective tissue stroma

Answer: A.

3. All of the following are true about the limbus except :

- A. white color

Answer: A.

4. The ciliary body provides attachment for :

- a- The lens
- b- The corneoscleral junction
- c- The iris
- d- The limbus
- e- The cornea

Answer: A.

5. The white of the eye" is -----? :

- a- The cornea
- b- The choroid
- c- The iris
- d- The anterior part of the sclera
- e- The ciliary body

Answer: D.

6. The innermost layer of human eye is ?

- a-Sclera
- b-Cornea
- c-Choroid
- d-Retina
- e-Iris

Answer : D

7. Which of the following statements is a characteristic of the cornea?

- a-It represents the anterior portion of tunica vascularis
- b-Its connective tissue stromal layer is the target for LASIK surgeries
- c-It is composed of three layers
- d-It is devoid of nerve endings
- e-forms the anterior boundary of the posterior chamber of the eye

Answer: B.

8. The process of adjusting vision from a near to a distant object is called

- _____?
- a - Adaptation
 - b- Accommodation
 - c- Amblyopia
 - d- Cataracts
 - e- Glaucoma

Answer: B.

9. The suspensory ligaments attach to the:

- a-Lens
- b-Sclera
- c-Canal of Schlemm
- d-Iris
- e-Optic disc

Answer :A

10. is considered of the few types of neurons that can be renewed during adult life :
Select one:

- a. Photoreceptor cells
- b. Olfactory receptor cells
- c. Rods and cones
- d. Basal cells
- e. Bipolar cells

Answer: D.

11.All of the following regarding the limbus of the eye is true
EXCEPT?

- a. The corneal epithelium continues as bulbar conjunctiva
- b. Contains multipotent cells important for differentiation of corneal epithelium
- c. Bowman's membrane become continuous with the trabecular meshwork
- d. Is the border between regular corneal stroma and irregular scleral stroma
- e. Aqueous humor from anterior collect into canal of Schlemm

Answer:C

12. Which one of the following statements is CORRECT?

- a- At the limbus Bowman's membrane becomes continuous with the trabecular meshwork
- b- The lens fibers composed of special protein called Fibrillin
- c- The pigmented epithelium is important for the immune privilege of the retina
- d- The lens capsule is located at the anterior portion of the lens between the lens epithelium and lens fibers
- e- Color blindness primarily results from a defect in the ganglion cells layer

Answer :C

13. The iris

?

- a. Have parasympathetically stimulated radially arranged muscles
- b. Receive postganglionic parasympathetic fibers through the short ciliary nerves
- c. Receive postganglionic parasympathetic fibers through the long ciliary nerves
- d. Have sympathetically stimulated circularly arranged muscles
- e. Lies on the posterior surface of the lens

Answer: b
slide : 34

14. why there are No complications in cornea transplant :

- a. avascular

Answer:A.

PNS-Histology

Archive

Lecture 2

The eye (Part II)

Corrected by:

Ammar Almadhoun

PNS-Histology

Lecture 2

1. The Outer plexiform layer contains synapses between:

- A) rod, cone, bipolar & horizontal cells
- B) rods, cones, bipolar & Müller cells
- C) ganglion and bipolar

Answer: A.

2. Which of the following is the non-visual part of the retina:

- A) pigmented layer
- B) supporting layer
- C) pigmented & supporting layer

Answer: C.

3. Structure in eye doesn't contain connective tissue as an essential component: A.

- a. cornea
- B. iris
- C. choroid
- D. lens
- E. sclera

Answer: D.

4. One is true:

- A. Choroid is the pigmented and vascular part of uvea

Answer: A.

5. Which of the following is wrong about the lens?

- a. the epithelium covers all of it

Answer: A.

6. Color blindness is due to defect in --?

- a- Rods
- b- Cones
- c- Rods and Cones
- d- Rhodopsin
- e- Aqueous humor

Answer :B

7. Aqueous and vitreous humors are divided by ---?

- a- Lens
- b- Iris
- c- Retina
- d- Optic nerve
- e- Cornea

Answer: A.

8. Which one of the following statements is CORRECT :

- a- Otoliths are normally located in the ampulla of semicircular canals
- b- Meibomian gland is known to secrete tears
- c- Muller's cells share in the formation of the limiting membranes
- d- Bruch's membrane lies between the pigmented and the non-pigmented epithelial layers
- e- The lens epithelium completely surround the lens

Answer: B .

5. The blind spot?

- a-The macula lutea
- b-The fovea centralis
- c-The optic disc
- d-Sensitive to light
- e-The yellow spot

Answer :B

8. The point of sharpest retinal vision is called the:

- a-Fovea centralis
- b-Macula lutea
- c-Vitreous body
- d-Optic disk
- e-Choroid

Answer: A.

11. The region in the retina which lacks photoreceptor cells is called -----?

- a- Black spot
- b- Blind spot
- c- Fovea
- d- Choroid
- e- Macula

Answer:B .

12.Which one of the following statements is CORRECT?

- a- Meibomian gland is known to secrete tears
- b- Muller's cells share in the formation of the limiting membranes
- c- Bruch's membrane lies between the pigmented and the non-pigmented epithelial layers
- d- The lens epithelium completely surrounds the lens

Answer:B

PNS-Histology

Archive

Lecture 3

THE EAR

Corrected by:

X

PNS-Histology

Lecture 3

1.The maculae can be found in the:

- a-Cochlear duct
- b-Saccule
- c-Semicircular canal
- d-Semicircular ducts
- e-Middle ear

Ans :(b)

2.Eustachian tube connect with?

- a-Pharynx with middle ear
- b-Middle ear with external ear
- c-Middle ear with inner ear
- d-External ear with internal ear
- e-Cochlea with vestibular apparatus

Ans :(a)

3.Organ of Corti helps in -----?

- a-Balancing
- b-Maintaining equilibrium
- C-Hearing
- d-Formation of wax
- e-Defensive function

Ans :(c)

4-Which of the following cells of corti body not attached to the basilar membrane :

Hensen cells

5.The followings belong together EXCEPT which one:

- a-Incus
- b-Tympanic cavity
- c-Middle ear
- d-Cochlear duct
- e-Eustachian tube

Ans :(d)

الأسئلة التالية هي أرشيف سابق وهي لا تتعلق بشكل مباشر مع المحاضرات السنة الحالية

6. Which of the following is CORRECTLY matched?

- a-Stria vascularis // simple columnar epithelium
- b-Tympanic membrane // simple squamous epithelium
- c-Eustachian tube (cartilaginous part) // simple columnar ciliated epithelium
- d-Vestibular membrane // organ of Corti
- e-Ciliary processes // stratified cuboidal epithelium

Ans :(e)

7. Which of the following is INCORRECTLY matched:

- a- Eye color // melanocytes in iris stoma
- b-Vestibular membrane // hair cells of macula utriculi
- c-Basilar membrane // segregate cochlear duct from scala tympan
- d-Semicircular ducts // packed with endolymph
- e-Secondary tympanic membrane // round window of middle ear

Ans :()

8. Bony labyrinth have the followings EXCEPT?

- a. The semicircular canals
- b. The fenestra cochleae
- c. The saccule
- d. The vestibule
- e. The cochlea

Ans :(b)

9. All of the following regarding stria vascularis is true EXCEPT?

- a. Contain blood vessels
- b. Maintain ionic composition of endolymph
- c. Cover the base of the cochlear duct
- d. Stratified squamous epithelium
- e. Devoid of hair cells

Ans :(d)

10- The neck of the malleus lies against?

The flaccid part of tympanic membrane

PNS-Histology

Lecture 3

All the followings regarding macula saccule are wrong EXCEPT ?

- a-Contains two types of cells inner and outer hair cells
- b-The hair cells have several kinocilia of graded height
- c-Covered with gelatinous membrane devoid of otoconia
- d-Specialized sensory organs found in the membranous labyrinth of the vestibule
- e-It is the auditory organ of the inner ear

Ans :(d)

10.Tensor tympani attached to:

- a. handle of malleus

Q1: first vibration of hearing pathway

- A.external auditory meatus
- B.tympanic membrane
- C.ossicles
- D.oval window

Answer : E

Q3 : the linear vertical equilibrium caused by :

- A. anterior semicircular
- B. saccule
- C. posterior semicircular
- D. utricle
- E. lateral semicircular

Answer :B

Q4: lining of outer part of tympanic membrane:

- A. simple squamous
- B. keratinized stratified squamous epithelium

Answer :B

9)The maculae can be found in the

- A) Sacule
- B) on the top of organ of corti
- C) in the scalatympani

Answer :a

6) Organ of Corti consists of all of the following except

- A) Outer hair cell
- B) Inner hair cell
- C) Outer phalangeal cell
- D) Inner phalangeal cell
- E) Ganglion cells

Answer : E

7) All are considered neuroepithelium except

- A) Scalab vestibule
- B) Organ of Corti
- C) Macula saculi crista ampularis 3
- E) Macula utriculi

Answer : A

3) The stereocilia for hearing are exposed to Endolymph in the scala vestibuli

- A) Perilymph in the scala vestibuli
- B) Endolymph in the scala media
- C) Perilymph in the scala media
- D) Endolymph in the scala tympani

Answer : B

PNS-Histology

Archive

Lecture 4

THE peripheral
nervous system

Corrected by:

X

PNS-Histology

Lecture 4

1.Stretch of an innervated skeletal muscle evokes-----?

- a- Contraction of its spindles
- b- Contraction of its extrafusal fibers
- c- Contraction of antagonistic muscles
- d- Relaxation of synergistic muscles
- e- Relaxation of the same muscle

Ans :()

2.-----specialized receptors that are sensitive to stretch and are located within the skeletal muscle?

- a- Meissner's corpuscles
- b- Tendon spindle
- c- Muscle spindle
- d- Free nerve endings
- e- Pacinian corpuscles

Ans :(c)

3.the type of tumor that represent in the picture is:

CLOWI

- a. Adenoma

4.Muscle spindles ?

- a- Are found in all skeletal muscles
- b- Are found only in large skeletal muscles
- c- Consist of small numbers of extrafusal muscle fil
- d- Consist of a large number of extrafusal muscle f
- e- Are located in tendons

Ans :(a)

5.All the followings are neuroepithelial s

- a- Taste buds
- b- Organ of Corti
- c- Macula utriculi
- d- Christa ampullaris
- e- Muscle spindle

Ans :(e)

6. Which of the following statements

- a- Synaptic vesicles at presynaptic axon terminal re endocytosis
- b- The sensory receptors in the nose are considered
- c- With aging, the lens loses some of its elasticity
- d- The ossicles located in the middle ear are malleus, incus and stapes
- e- In the ear, hair cells with cilia are found in the utricle and saccule

Ans: ()

7. The mismatched between the following

- A) cranial ganglion / unipolar / sensory impulses
- B) nerve endings / unmyelinated / proprioceptive
- C) Merkel disc / dermal papillae / proprioceptive
- D) Golgi tendon / muscle tendon / proprioceptive
- E) synaptic / neurotransmitter / motor end plate

Answer: C

8. All are extraepithelial receptors except

- A. taste buds
- B. organ of Corti
- C. free nerve endings
- D. tactile

Answer: C

9. All of the following are considered epithelial receptors except

- a) Free nerve ending
- b) Olfactory epithelium
- c) Merkel tactile disk
- d) Meissner corpuscle
- e) Plexus of Bonnet

Ans: d