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PNA Final Exam

Adrenaline

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#Anatomy

1. False about obturator nerve:

-A: give motor branches to supply peritoneum on lateral pelvic wall. (true is sensory branches)

-emerge from medial border of psoas muscle.

2. Motor branch of musculocutaneous nerve is:

-A: innervate coracobrachialis

3. False about accessory nerve:

-A: spinal root pass across middle of anterior border of sternocleidomastoid muscle. (true is deep surface)

-leave skull through jugular foramen.

4. Roof of middle ear:

-A: tegmen tympani

5. False about posterior rami of spinal nerve :

-A: join together to form nerve plexuses

-pass posteriorly around vertebral column.

6.true about Medial cord:

-A:Is from anterior division of lower trunk

7.Branch of upper trunk is:

-A:Suprascapular nerve

8.False about right phrenic nerve:

-A:pass behind the root of right lung.(true is: in front of)

9.Genital branch of genitofemoral nerve supplies:

-A:cremaster muscle

-small skin area of thigh

10.Greater petrosal nerve arise from facial nerve at:

-A: geniculate ganglion

-facial canal behind pyramid

-above stylomastoid foramen

11.About sciatic nerve:

-A:all are incorrect

12.False about sclera lamina:

- Sclera is the opaque posterior part of fibrous layer

-Sclera joined to cornea at limbus

-sclera is pierced by ciliary arteries

-A:Lamina cribrosa it is the area pierced by venae vorticosae

-Two are false

13.False about trochlear nerve:

-A:lies in medial cavernous sinus.(the true is lateral wall of cavernous sinus)

-supplies superior oblique muscle

14.True about levator palpebrae superioris is :

-A:flat muscle widens as it passes forward

-levator originates from upper surface of lesser wing of sphenoid (the true is from under surface of lesser wing)

15.False about vestibular nerve :

-A:gives fibers to the lateral longitudinal fasciculus. (the true is medial longitudinal fasciculus)

-Its fibers from lateral nucleus (Deiter's)

16.Promontory is:

-A:the round projection formed by first turn of the cochleae

17.True about posterior semicircular canal:

-A:lies parallel to the long axis of petrous bone

18.Compact region of nucleus ambiguus provide innervation to:

-the heart

-A:larynx and pharynx muscle.

19.Vagus nerve doesn't innervate the:

-A:heart

-lung

-GIT and pancreas

20.Nerve from inferior orbital fissure:

-A:maxillary nerve

21.Nerve to quadratus femoris muscle also supplies:

-A:inferior gemellus muscle

22.Muscle from the body of the sphenoid:

-A:superior oblique

#Physiology

1.the area of high visual acuity:-A:fovea

2.cannot be corrected by lens:

-A:cataract

-hyperopia

-myopia

3.True about cones:

-A: there is blue, red, green cones

4. Best description about LGN is:

-A: the gate control to receive input from primary cortex

5. Activated form of rhodopsin is:

-A: metarhodopsin 2

6. Accommodation is innervated by:

-A: oculomotor nerve

7. Accommodation includes:

-A: Thickening the lens and relaxation of suspensory ligament

8. Static equilibrium controlled by:

-A: macula

-crista ampullaris

9. Linear acceleration in horizontal plane controlled by:

-A: utricle

10. Does not occur in photoreceptor:

-A: increases Na^+ influx in outlet segment

11. Correct matching is: -A: Sympathetic and ejaculation

12. Damage in middle basilar membrane and extend to helicotrema result in:

-A: loss of perception of low frequency

13. glutamate mediate taste of :

-A: umami

14. more sensitive to molar bases is:

-A: bitter

15. function of Golgi tendon is :

-A: to equalize forces between muscle fibers

16. nicotinic receptors found in:

-A: both sympathetic and parasympathetic ganglion

17. auditory pathway is:

-A: cochlear nuclei - superior olivary nucleus - inferior colliculus via lateral lemniscus - to medial geniculate - auditory cortex

#Microbiology

1. false about M. leprae is:

-A: spore forming

2. Not caused by ticks is:

-A:Poliomyelitis

3.wrong match: -A:Coxsackievirus type B : flaccid paralysis

4.Case about tetanus :

-A:we don't give immediate vaccine toxoid for tetanus

5.We differentiate between Ixodidae and Argasidae ticks depends on all of following except :

-A:hematophagia

6.False about Western Equine encephalitis virus :

-A:cause west Nile poliomyelitis

-transmitted by Culex

-can be vaccinated

7.Case about Clostridium Botulinum :

-A:it doesn't block the action of GABA and glycine

8.Enterovirus sensitive to:

-A:Chlorine

9.Powassan virus transmitted by:-A:tick only

10.false about ticks:-A:it is infected only human being.

pathology

1) false related to MS :

-A:Autoantibody mediated autoimmune disease

-episodes of relapsing/remitting

-unilateral visual impairment

2) metastasis tumors to CNS are :

-A:multiple , at Gray -white junction OR at border zone btw MCA & PCA

-more common than primary CNS tumor

3) 1p 19q deletion seen in :

-A:oligodendroglioma

-Astrocytoma

-Glioblastoma Multiforme

4) all of the following seen in oligodendroglioma except :

-A:homer wright rosettes

-fried egg appearance

5) regarding to meningioma , all of the following true except :

-A:invading the skull affect prognosis

-tumor cell contain progesterone receptor

-50% with NF2 mutation

6) most common cause of dementia in elderly is :

-A:AD(Alzheimer's Disease)

7) A beta protein deposition in DOWN SYNDROME is :

-A:greater than normal .

-normal

-less than normal.

8) Wernicke Syndrome :

-A:thiamine(Vit B1)deficiency
