

CNS



CNS midterm questions.

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Anatomy

Q1 : A 40 years old worker suffered from lower back pain in the gluteal region, physical examination revealed a sensory defect in the anterolateral aspect of his leg. Also, the patient can't stand on his heels. The patient has a herniated disc in what region?

L5

Q3. regarding lateral spinothalamic tract. choose the wrong statement:

-lesion of the ascending tract lose the sensation ipsilateral.

Q5. 13 years old visited neurologic Clinic his main complaint was Loss of temperature Sense, which Cause him many skin burns during his work in the university Cafeteria physical examination reveal Sensory defect on both upper limbs and shoulder no motor were detected This patient most likely suffered from?

-siringomyelia.

Q6. regarding pyramidal tract choose the wrong statement.

-that control axial muscle crosses the midline in the lower part of the medulla oblongata

Q7. which of the following is the characteristic of upper motor nerve lesion?

-hyperreflexia + clonus هاي المحاضره مهمه اجا عليها أسئله كثيره بالامتحان

Q8. 65 years old man with a history of hypertension and smoking go to neurologic clinic, the neurologic examination reveals loss of pain and temperature Sensation from the right side of the body, loss of pain and temperature from the left side of the face .which of the following he suffering from? اتوقع

Lateral medullary syndrome (Wallenberg syndrome)

Q9. which of the following tracts responsible for reflex movement of head and neck in response to visual stimuli ?

-tectospinal tract

Q10. An MRI of vessels. Showed occlusion of vessels the medial portion of the midbrain Right side involving oculomotor nerve and cross cerebra this patient is mostly like suffering of which of the following?

- A- deviation the tongue to the left side when is protruded
- B- paralysis of extremities on the left side.
- C- **loss of pain and thermal Sensation on the Right Thermal side of the face.**
- D- . dilatation of the pupil
- E- Weakness of lower facial muscle.

Q11.regarding transverse section through caudal part at the pons ,which of the following can be seen?

b-sensory nucleus that receive pain and temperature from the face .

Q12.regarding cross section of the level of olive ,chose the wrong statement?

- A- Inferior cerebellar peduncle occupies the posteriolateral corner of the section .
- B- Sensory nucleus that receives taste from the posterior 1/3 of the tongue located in the anterior of the tectospinal tract .

Physiology

Q1. if the patient can not see the left most part of the left visual field, the damage here in :

-right optic tract

Q2.what happens to the photoreceptor rods and cones in response to light stimulus?

-rod membrane hyperpolarized because sodium channel close as a result of decrease in a 2nd messenger cGMP

Q3. The opening of k⁺ channels produce **depolarization** in hair cells because of the high concentration of **k⁺**

Q4. You pick an ice cube which aspects of ice do you notice first?

-you notice the thickness of ice cube first (the fastest fiber)

-its smooth because the axon tactile sensation are thick

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Q5.which of the following is not suitable combination ?

-Braille language of the blind people depend on the fine touch (anterolateral column)

Q6. After falling down a flight at stairs young women is found to have a right side hemi section at spinal cord at T2 which of the following might be found during her neurological examination?

..... idk

Q7. which of the following is true ,in absence of accommodation of near vision?

- In ability to contract the ciliary muscle due to damage of oculomotor nerve

Q8. Which of the following is false combination?

-detection of the direction of the sound of its coming from left or right side >medial geniculate nucleus of the thalamus

- auditory pathway > lateral junction nucleus of the thalamus

Q11. Which of the following is not true ?

-cortical representation proportional to the size of organ

Q12. Which of the following would be considered evidence that the conversions projections spinal and autonomic theory of referred pain is valid?

-pain of the heart is frequently referred to the area of upper limb and sternum

Q13. A patient came to neuroclinic following to tonsillectomy complaining of loss of taste on examination you find loss of taste in the posterior 1/3 of the tongue which of the following injured during the surgery?

- Glossopharyngeal nerve (CN9)

Pharma

Q1. The answer was Na channels but I don't remember the question

Q2. which of the following drug is used to enhance the effect of duration action of local anesthetic in patient injected with local anesthetic around the spinal cord?

-dexmedetomidine.

Q3. which of the following action of morphine is matched with the wrong consequence?

Q4. which of the following effect of opioids is not affected ...? *مش كامل السؤال*

- Miosis of the pupil .

Q5. which of the following is an agonist of M receptor and antagonist to S and K receptors ?

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Behavior >>past paper

Patho & micro

Q1. Hemorrhage with the brain it is self can occur secondary to all of the following except ?

-exposure to toxins

Q2. One of the following is correct regarding multiple sclerosis ?

-oligoclonal band is usually identify in the CSF proteins electrophoresis

Q3. rapid correction of hyponatremia may be complication by one of the following ?

-central myelinolysis

Q4. one of the following statement is correct regarding leukodystrophy ?

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Q5. one of the following myelin disease involve T helper 1,16?

- Multiple sclerosis