

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

CNS-2 Mid & Lab 2012

answers MAY NOT be correct.

anatomy theory :

1) all of the following are needed for position test of big toe except:

- a- gracile tract
- b- gracile nucleus
- c- clark nucleus
- d- dorsal spinocerebellar

2) which of the following is false related to gate control theory of pain:

>>> stimulation of large fibers opens the gate

3) all of the following true except:

>>> pars interparietalis ; pain and temperature above tentorium cerebelli

4) all of the following is true except:

- a- obstruction of middle cerebral artery result in contralateral hemiplegia
- b- obstruction of posterior cerebellar artery result in contralateral homonymous hemianopia
- c- obstruction of anterior cerebellar artery result in monoplegia of lower limb

...

5) all true about micturition reflex except:

>>> in voluntary micturition, cortical centers directly signal sacral centers of urinary bladder to allow urination

physio theory:

1- can't see at visual field lower left quadrant... lesion mostly in:

>>> right parietal visual radiations

2- early sign of Alzheimer:

>>> bilateral hippocampal atrophy

3- patient confabulate things:

>>> korsakoff's psychosis

4- stroke patient after 2 weeks noted to be unaware of things but can normally move... this mostly means:

- a- vegetative state
- b- persisent vegetative state
- c- locked in syndrome
- ...

- 5- patient with retrograde amnesia with visual hallucinations... lesion where
- a- temporal lobe
 - b- temporal lobe and occipital lobe
 - ...

- 6- conductive aphasia.... lesion in:
- >>> arcuate fasciculus

- 7- all true about brain waves except:
-

- 8- all true about glasgow coma scale except:
- >>> M3 decerebrate rigidity

- 9- patient with aggressive behavior, auditory and visual hallucination??
- 10-- i can't rem all the text but i think it was like this: if u asked the patient to repeat a sentence then he can't...? so the answer : conductive aphasia
- 11-sth eno el patient can't say any word or even make a sound & v= sth wrong ??!!!!

anatomy lab:

- 1- (picture of skin receptors).... which of the following is used for light touch and discriminative touch:
- >>> tactile disc & meissner's

- 2- (position test of big toe)...

- 3- obstruction of the middle cerebellar artery results in:
- >>> contralateral hemiplegia, transient hemianesthesia, contralateral paralysis of lower face

- 4- which of the following can cause the injury shown in the pictures (deviation of jaw to right + inability to adduct right eye in conjugation with left eye)
- >>> right MLF + right motor nucleus of trigeminal nerve

- 5- (image of lower cervical cord lesion) injury at which of the following result in the indicated lesions:
- >>> lower cervical

- 6- uvula to right, vocal cord paralysis at left.... at which level this lesion could happen:

>>> vagus nerve (level of upper medulla)

7- picture of face representation in pars caudalis (area 1), picture of trigeminal nucleus parts
area 1 is controlled by which nucleus of trigeminal;

>>> e (pars caudalis)

8- picture of opened skull at subdural space pointer at branches of superior cerebral vein
which of the following result from rupture of the indicated vessels:

- a- slow rate of development of hematoma
- b- paralysis appears first in face then spreads to lower parts
- c- lucid interval
- d- all of the above
- e- none of the above

9- angiogram (names of arteries are points at the figure)... which is false:

- a- emboli is more common to go through trunk of anterior cerebral than trunk of middle cerebral <<< answer
- b- pericallosal artery supply corpus callosum

physio lab:

1- all of the following are tested at inspection except:

>>> rigidity

2- power level when the patient is able to move his arm against gravity

>>> 2

3- when the person visual acuity is 8/12 on right eye and 6/12 on left eye, which of the following is true:

>>> the person is able with his left eye at 6 meters what a normal person can see at 12 meters

4- all true about color vision except:

- a- affect males more than females
- b- mother is mostly the carrier of the affected gene
- c- the person can't distinguish certain colors
- d- the mostly affected gen is off green color

...

5- which of the following is true about uncorrected myopia:

....

6- which of the following is false about corrected hyperopia:

patho lab:

1- which of the following is the most common cause of this (lacunar infarct):

>>> hypertension

2- identify:

>>> ependymoma

3- identify:

>>> meduloblastoma

Pharma

all these drugs are metabolized into active metabolites causing neurotoxicity except :

1- morphine

2- naloxone

3- benzodiazepines

all these drugs have an action over GABA receptor except :

nitrous oxide

lidocaine & ropivacaine share all the following except :

can be used as antiarrhythmic

the serum concentration of valproic acid was 250 mg/L , it's free concentration will be :

30

60

90

120 mg/L

benzodiazepines and barbiturates have in common :

-both act on GABA receptors

all the following are adverse effects of opioids except :

1- vomiting & nausea

2- cardiac depression

3- constipation

4-

wrong combination :

- ketamine.....depress heart activity

adverse effect of opioids is (acute pulmonary edema)

there was a question about the mismatched anticonvulsant & its mechanism of action

kan tiagabine : release of GABA

Physio

1) Lower Quadrantopia Parietal Tumor

2) Needs Antidepressant: Sleep paralysis.

the patient who is chronic alcoholic and confabulate stories:
Korsakoff's psychosis

stroke patient, after 2 weeks she breathes normally, eat but she is disoriented :
vegetative

Patho

1) The wrong statement: Severe Global ischemia leads to SELECTIVE damage.

all of the following is associated with symptoms except:
capillary telangiectasia

the most common cause of intracranial hemorrhage is:
hypertension

all of the following are associated with severe transtentorial herniation except :
pupil dilation
ipsilateral hemiparesis
contralateral hemiparesis
contralateral sensory loss (aw ymken ipsilateral)
duret hemorrhage

****وَمَا تَوْفِيقِي إِلَّا بِاللَّهِ عَلَيْهِ تَوَكَّلْتُ وَإِلَيْهِ أُنِيبُ****

Lejan 2009/2010