Neuroscience Past-papers

Up to 2018

Part-1

Neurosurgery

Neuroscience Final 2018

Neurosurgery

1. What is the most common brain tumor to be associated with calcifications?

Oligodendroglioma

2. Which of the following is false about high ICP?

Loss of consciousness is an early sign of high ICP

3. Which of the following brain tumors is known to seed through the CSF?

Medulloblastoma

4. Which of the following brain tumors has relatively the best prognosis?

Meningioma

5. A patient with neck pain, weakness of biceps muscle, power is 3/5, what is the best next step?

Anterior discectomy with fusion

6. What is the incidence of hydrocephalus in newborns with myelomeningocele?

80-90 %

7. A patient with L4/L5 disc prolapse and the prolapse is far lateral, what is the neurological manifestations associated with it?

L4 radiculopathy

8. Which of the following is false about intractable epilepsy?

In the Jordanian population of 10,000,000, the number of intractable epilepsy cases is 5000 (it should be 1/3 of 1 % of the population).

- 9. Which of the following should not be done in the valuation of intractable epilepsy?
- a) Neurological examination
- b) Psychiatric evaluation
- c) Psychological examination
- d) Endocrinological examination (this might be the answer).

10. Which of the following causes communicating hydrocephalus?

Choroid plexus papilloma

11.A patient with epidural hematoma, how would it appear on CT scan?

Hyperdense lens-shaped area

12. Which of the following is false about spinal tumors?

Meningioma is associated with neurofibromatosis type 1 (it should be NF2)

13. The prognosis of subdural hematoma is worse than epidural hematoma, why?

Because it is associated with more severe brain injury

- 14. A patient with head injury has a GCS of 14/15, which of the following shouldn't be part of his management?
- a) Endotracheal intubation and hyperventilation
- b) Admission for ICU for observation
- 15. Which of the following does not cause foot drop?

Femoral nerve injury

16. A pregnant lady was informed that her baby has myelomeningocele in an antenatal care clinic, which of the following is not true?

Folic acid supplementation may reverse this condition

17. What is the most common spinal cord injury among incomplete injuries?

Anterior spinal syndrome

Central spinal syndrome

- 18. Which of the following is not true about skull fractures?
 - a- Linear fractures shouldn't be treated unless complicated
 - b- Compound depressed fractures are treated as an emergency
 - c- All cases of basal skull fractures are associated with CSF leak (only 4 % of cases)

19. Which of the following does not occur in Chiari malformation?

Large posterior fossa with wide fourth ventricle (this occurs in Dandy Walker syndrome)

20. A child had VP shunt surgery when he was 40 days old, presented with fever and hypoactivity, which of the following is true?

- a) Once infection is established, oral antibiotics are enough.
- b) Parenteral antibiotics is the only effective treatment in this case
- c) CT scan has a diagnostic role to exclude infection
- d) Do CSF examination if other causes of fever are excluded.

21. Pituitary tumor where medical rather than surgical treatment is the first option?

Prolactinoma

22. Brown-Sequard syndrome, which of the following correctly describes it?

Ipsilateral loss of motor function with contralateral loss of pain and temperature sensation

23. Which of the following is true about ligamentum flavum?

It is attached to the inner part of the lamina above (the anterior surface) and the outer part of the lamina below (upper border).

24. Most common site of Berry Aneurysm?

Anterior communicating artery.

- 25. A patient with benign intracranial hypertension, which of the following is not true?
- a) OCPs is a risk factor of BIH
- b) The patient may be treated by acetazolamide for 6 weeks
- c) The coperitoneal shunt is preferred over VP shunt because the ventricles are small
- d) Diagnosis follows Dandy criteria

Neuromedicine

1. Which of the following supports the diagnosis of migraine?

Unilateral throbbing facial pain that develops gradually

2. Which of the following drugs is associated with Parkinsonism?

Haloperidol

3. Which of the following is not a criteria of brain death?

The patient extends his limbs to painful stimuli

4. Which of the following is a major sign of motor neuron disease?

There must be no sensory signs

5. Which of the following is a demyelinating neuropathy?

GBS

6. Which of the following vitamin deficiencies is associated with MS?

Vitamin D

7. Which of the following is false about GBS?

Hyperreflexia

8. Which of the following is true about essential tremor?

It's improved by propranolol

9. Which of the following nerves has parasympathetic fibers?

Oculomotor nerve

10. What is the artery associated with lateral medullary syndrome (Wallenberg Syndrome)?

PICA

11. Which of the following does not occur in right midbrain infarction (Weber's Syndrome)?

Left ptosis and outward deviation of the pupil

12. Which of the following is true about MS?

Demyelinating disease

13.A patient with personality changes indicative of frontal lobe lesion, which of the following will associated with it?

Grasp reflex (frontal lobe lesions are associated with reemergence of primitive reflexes)

14. Which of the following is an abnormal finding in LP?

Opening pressure > 270 cm H2O

15.A 32-year-old lady presented with stroke, which if the following is not a risk factor?

Her dad had sudden cardiac death at the age of 70

16.One of the following causes acute dementia?

Thalamic infarction (The other choices were: CJD, HIV, Huntington's).

17. Antiepileptic drug that causes kidney stones?

Topiramate

18. Which of the following is not a contraindication to do lumbar puncture?

Previous aspirin use (the other choices were: coma, and other choices indicating that there's focal neurological deficit).

19. A 23-year-old patient presented with sudden onset of headache, neck stiffness and positive Kernig's sign. CSF examination showed (Protein 1.2 g/L, glucose 2 mg/dL, leukocytosis with 160 PMNs), what's the most likely diagnosis?

Bacterial meningitis

20. A patient with left-sided facial weakness and hemiplegia with no sensory deficits, what's the site of the lesion?

Lacunar infarct in the right internal capsule

21. Which muscle is responsible for foot inversion?

Tibialis posterior

22.Drug used in acute attack of migraine is?

Ibuprofen

23.A young primary school girl with frequent loss of consciousness and staring blankly into space, what is the most likely diagnosis?

Petit mal (absence seizure)

24.A patient with hemiballismus, where is the lesion?

subthalamic nucleus

25. Which of the following is true about polymyositis?

- a) Associated with heliotrope rash
- b) Increased creatine kinase
- c) Associated with distal muscle weakness
- d) Patients have diminished deep tendon reflexes

Neurosurgery 2016

- 1. Most common tumour with Calcifications: oligodendrioma
- 2. Wrong about brain tumors: ependymoma is the most common cancer in adults
- 3. Not neuroepithelial origin: hemangioblastoma
- **4.** ICP monitoring, what is wrong:
 - There are 4 types of waveforms A,B,C,D *
 - Complications are infections and hemorrhage, in that order.
- 5. Complication of shunt: extradural hematoma
- **6.** Wrong about refractory seizures: **frontal lobe most common origin**
- 7. Neck pain, how to confirm disk: cervical MRI
- **8.** About aneurysm management: **antifibrinolytics prevents rebleeding??**
- 9. Newborn known to have Mongolian spot what to do?
 - Reassurance*
 - spinal MRI
 - Prepare for surgery
- 10.Wrong about Spinal canal stenosis: neurological symptoms are common
- **11.**Not a sign of increased intracranial pressure: **absent dural sinuses on CT**
- 12. Cauda equine: positive Babinski
- **13.**Sudden onset Headache, seizure, no LOC, twice vomiting, Dx? **SAH**
- 14. What's wrong statement? Female with benign spine tumor, it's most commonly due to schwannoma
- **15.** all of following are indications of hemispherectomy in refractory seizure except:
 - sturge weber syndrome
 - rasmussen disease
 - hemispheromegaly
 - The answer was a syndrome starting with B alphabet (answered by exclusion :D)

Neurosurgery



- 1. On this CT, your diagnosis is:
 - a. Subdural hematoma
 - b. Epidural hematoma
 - c. Subarachnoid hemorrhage
 - d. Brain abcess
 - e. Brain tumor
- 2. In the previous CT, all of the following is true except:
 - a. It's abnormal CT scan
 - b. There is abnormal ventricular systems
 - c. Sulci aren't effaced
 - d.
 - e.
- 3. All of the following indicate injury at S1 level except:
 - a. Weakened plantar flexion of the ankle
 - b. Weakened dorsiflexion of the four lateral toes
 - c. <u>Upgoing plantar(extensor)</u> reflex
 - d. Hypoesthesia on the lateral border of the foot
 - e. Absent ankle reflex

- 4. The most common primary brain tumor in adult is :
 - a. Glioblastoma
 - b. Ependymoma
 - c. Meningioma
 - d. Medulloblastoma
 - e. Pituitary adenoma
- According to WHO classification, which of the following is grade II:
 - a. Anaplastic astrocytoma
 - b. Glioblastoma multiforme
 - c. <u>Fibrillary astrocytoma (old classification)</u>
 - d. Atypical meningioma (new classification)

e.

- 6. The most common route of metastasis in spinal tumors is :
 - a. Spinal seeding through meninges
 - b. Batson plexus
 - c. Direct spreading
 - d.
 - e.
- 7. The most common cervical injury is:
 - a. Degenerative
 - b. Transverse myelitis
 - c. Spondyloarthropaties
 - d.
 - e. Traumatic
- **8.** Percentage of radiological vasospasm is :
 - a. 20%
 - **b.** 30%
 - **c.** 40%
 - **d.** 50%
 - e. 60%

- **9.** The most common cause of hydrocephalus in children is :
 - a. Congenital aqueductal stenosis
 - **b.** Choroid plexus papilloma
 - c. Temporal lobe lesion
 - d.
 - e.
- 10. One of the following isn't a complication of VP shunt :
 - **a.** Infection
 - b. <u>Electrolyte imbalance</u>
 - c. Displacement
 - d.
 - e.
- **11.** 50 year old male present with sudden onset morning headache & vomiting ,it was occipital , which of the following is correct :
 - Nature of headache is tension-like
 - **b.** Consider migraine prophylaxis
 - c. This patient has Papilledema
 - d.
 - e. If there is neck stiffness, maybe he is having meningitis
- **12.** All of the following can cause spinal canal stenosis except :
 - **a.** Multiple osteophytes
 - **b.** Ligamentumflavum hypertrophy
 - **c.** Facet joint hypertrophy
 - d. <u>Denticulate ligament</u> hypertrophy
 - e. Multiple disc bulges

- **13.** Concerning epiplepsy surgery , all of the following are correct except
 - a.
 - b.
 - c.
 - d. Epileptic surgery associated morbidities are higher than that of other neurosurgical procedures
 - e.
- **14.** About CSF , all of the following are correct except :
 - a. <u>It's formed solely by choroid</u> <u>plexus</u>
 - b. Protein concentration is about 40mg/dL
 - c.
 - d.
 - e.
- **15.** One of the following is correct about cerebral circulation :
 - a. <u>Cerebral circulation is</u> <u>controlled mainly by ANS.</u>
 - cerebral vasoconstriction occurs when blood pressure rises
 - c.
 - d.
 - e.
- **16.** In subarachnoid hemorrhage , which one of the following is wrong
 - a.
 - b.
 - c.
 - d. <u>Berry aneurysm is</u> <u>symptomatic in most cases</u>

- **17.** About spinal cord , All of the following are correct except :
 - a. <u>Denticulate ligament is</u>
 <u>formed by condensation of</u>
 <u>subarachnoid matter</u>
 - b.
 - c.
 - **d.** Artery of Adamkiewicz supplies the thoracic vertebrae
 - e.

2014

- 1- all are false about acute subdural hematoma except (= what is true)
- a. the blood clot is found between the skull and meninges
- b. most of the manifestations are due to the presence of the blood clot
- c. it is more dangerous than extradural hematoma**
- d. treatment is by removal of the hematoma and excision of the affected brain area? using burr hole
- 2- what is the most common posterior fossa tumor in adults?
- a. ependymoma
- b. astrocytoma
- c. vermis medulloblastoma or something like that
- d.hemangioblastoma **
- 3- before epileptic surgery, all of the following investigations should be done EXCEPT
- a. inter-ectal EEG
- b. video EEG
- c. brain MRI
- d.SPECT
- e. WADA test**
- 4- all of the following are complications of vagal nerve stimulation EXCEPT
- a. dysphonia
- b. dysphasia**?
- c.dyspnea
- d. cough
- e. hoarseness
- 5- a disk prolapse at L4/L5 ?which ofthe following will happen
- a. knee reflex absent
- b. dorsiflexion of the foot weaker**
- c. positive babiniski

6- a man with chronic low back pain, presented with acute pain and sciatica over the lateral leg and dorsum of foot and big toe, of 12 hours

duration, +ve straight leg raise on It. side, no other

neurologic findings, what is true: cauda equine can't be excluded mostly he has L4 LSprolapse** MRI should be done urgently Conservative treatment lessthan 20% respond

- 7- Jefferson fracture: Is a fracture of Cl vertebra** Fracture of odontoid Fracture of C7
- 8- Most common location of intracranial meningioma: Parasagittal**
- 9- In severe head injuries, which of the following is done to decrease ICPin order of safety?
- a. IV mannitol, hyperventilation, barbiturate coma, hypothermia?*
- b. hyperventilation, mannitol, com and hypothermia
- c.barbiturate coma, mannitol, hypervent (they are all the same but with different orders)
- 10- In benign intracranial hypertention, which is false:
- a. Intracranial pressure is >20
- b. Papilledema is always present
- c. There is a space occupying lesion in most cases**
- d. Carbonic anhydrase inhibitor is part of the treatment
- e. LPshunt is effective

11- not an early complication of the SAH(something like that) a-re-bleeding b-Vasospasm** c- hydrocephalus

12- M.e. vertebrae involved in a RTA: a-cervical ** b-thoracolumber c-lumber d-thoracic

13- Epidural hematoma what is the least affected age group:

a-1S-30

b->60**

b-mid age men

d-hyponatremia

c-mid age women

- 14- Which of the following does not cause cauda equina syndrome:
- a. transverse processfracture**
- b. central disc prolapse
- c. A hematoma developing after laminectomy
- 15- a question about myelomeningocele: wt is wrong
- a- 85% of myelomening ocele have hydrocephalus
- b- 15% of meningocele have hydrocephalus c- most of patient with myelomeningocele have arnold chiari II *** (el 3x s7ee7)

16- a lady came to you with 2 year history L.Lweakness 0 something like that ,the most likely Dx

is:

a-Breast CA b-spinal meningeoma** c-shwannoma

17- wrong about SAH:
LPis the only way to detect blood**

2013

- 52. Medulloblastoma, which is not poor prognosis:
- a. no evidence of residual tumor after resection
- 53. wrong abt myelomeningocele e agensisof corpus callosum G associated with arnold-chiari malformation
- G 85% associated wth aqueductal stenosis main pathology is the absence of vertebral arch
- 1& associated with tethered cord
- 54. depressed fracture--> do not elevate if lessthan the thickness of adjacent bone
- cosmetic
- 55. WHO classification of astrocytoma III (three)
- a. anaplastic
- 56. all are risk factors of meningioma except b. recurrent meningitis
- c. trauma
- d. radiation
- e. female
- answer: a
- 57. Most common spinal tumor a.extradural Metastasis b.epyndemoma c.astrocytoma d.meningioma
- 58. a 60 year old female patient ... gradual pain over the past 2 months--> spinal meningioma
- 59. increase in ICP, all true except:
- a. WIDEsella turcica
- b. Eroded clenoid process
- c. Thumb prints
- d. Enlargedskull

- 60. Headtrauma with rhinorrhea, otorhea, which is wrong:
- b. Treatment of choice is LPshunt
- c. do lumbar drain
- d. most of them resolve spontaneously e.
- 61. all are prognostic factors of cerebral aneurysm except: age - general medical status...- size - hessand huntfischer
- 62. most common affected cranial nerve by injury: olfactory, abducent, facial, vagus, "The olfactory nerves. These are the most commonly affected and this may be as a result of either a fracture through the anterior cranial fossa, directly affecting the tracts, or tearing of the delicate nerve rootlets passingthrough the cribriform plate caused by the sudden brain movement, particularly from a blow to the back of the
- head." Neurosurgery essentials
- 63. Epilepsysurgery, all are good prognostic signs except: Localized, temporal lobe, central
- 64. classicextradural hematoma :.. LOCthen period of Lucid interval
- 65. subdural hematoma has poorer prognosis than epidural hematoma: cause its associated more severe head injury
- 66. wrong about 3rd ventriculostomy:a. infection lessthan shunt b.need to revise is lessc.bleeding is more
- 67. late complication of SAH(not occuring before 72 hours) is:
- a. hypernatremia
- b. vasospasm
- c. rebleeding

68. most common indication for surgery -7 a.neurological deficit b.intractable sciatica c.cauda equina surgery

- 66- Percentage of brain tumors within all body tumors:
- a- 2%
- b- 4%
- c- 6%
- d-8%
- e- 10%
- 67- Headtrauma in RTAis:
- a- 20%
- b- 40%
- c- 60%
- d-80%
- e- 90%
- 68- a patient has moderate head injury, the GlascoComaScaleis:
- a- below 6
- b- below 8
- c-9-12
- d- 13-15
- e- 14-15
- С
- 69- Concerning epidural hematoma all the following statements are true except:
- a- Characteristic biconvex shape
- b- Represent 3 % of all head injuries
- c- Rareto be see before 2 years and those older than 60 years
- d- Havethe characteristic lucent interval in 2/3 of cases
- e- Most common in the parietal lobe
- 70- all of the tumors are more common in males except:
- a- glioblastoma multiforme
- b- astrocytoma
- c- medulloblastoma
- d-pineocytoma
- 71- about meningioma wrong
- a- mets is common**
- b- estrogen recptors

- 72- associated with high velocity pelvic fracture
- a- head injury
- b- liver injury
- c- peripheral nerves injury
- d- spleen injury
- C
- 73- dandy walker wrong
- a- small post fossa
- 74- medulloblastoma wrong
- a- radiosensitive
- b- radiate whole cord
- c- chemo resistant
- С
- 75- pt with headache vomiting stupor papilledema ..not likey caused by the following tumor
- a- 3rd ventricle
- b- choroid papilloma
- c- pseudotumor cerebri
- d- temporal
- 76- fracture to the body of vertebra most likely by
- a- flextion
- b- extention
- c- spinal stenosis
- d- spondylothesis
- 77- saccular anurysm wrong
- a- external lamina defect
- 78- saccular not risk factor
- a- marfan
- b- down
- c- HTN
- d- atherosclerosis

С

79- pt post RTAmild head injury with dementia the following few weeks ..cause a- chr. subdural hematoma b- intracerebral hematoma a

80- wrong about pituitary adenoma a- microadenoma less than 1 cm b- hyperprolactin m.c c- more in 40- 60 yo

С

С

81- wrong about muscle strengtha- zero no anyb- 1 fasiculationc- 2 against gravityd- 5 full

82- about contusiona- less happen in childrenb- frontal lobe most commonlyc- accel-decelar

83- MRI is better than (T by all except a- hair fracture at temporal bone a

Neurosurgery

1995

- 1- Incidence of myelomeningocele is:
 - a- 0.5-2/1000 birth
 - b- 2-5/1000 birth
 - c- 5-15/1000 birth
 - d- 15-25/1000 birth
 - e- 25-35/1000 birth
- 2- Incidence of rupture cerebral aneurysm is:
 - a- 15-20/10000/year
 - b- 10-15/100000/year
 - c- 6-12/100000/year
- 3- Cerebral aneurysm of grade 1 after 3 months, incidence of death:
 - a- 2-5%
 - b- 0-1%
 - c- 25%
 - d- 3.5%
- 4- One is not a manifestation of subarachnoid hemorrhage:
 - a- Headache
 - b- Neck stiffness
 - c- LOC
 - d- Vertigo
 - e- Vomiting
- 5- One is false about froins syndrome:
 - a- Increase cell in CSF
 - b- Increase protein
 - c- Xanthocromic
 - d- Clots
- 6- Patient with complete block at T5 compression in jugular vein and release of pressure during LP:
 - a- Rapid increase and rapid fall
 - b- Rapid increase and no fall
 - c- No increase and rapid fall
 - d- No increase and on fall
- 7- Transtentorial herniation at level of mid brain will affect all except:
 - a- Papillary size
 - b- Motor system
 - c- Respiratory system
 - d- Eye movement
 - e- Level of conciusness

- 8- One will cause calcification:
 - a- Oligodendroglioma
 - b- Ependymoma
 - c- Both
- 9- One is false about meningocele:
 - a- Cystic cavity of CSF lined with meninges or skin with no newel tissue
 - b- More common than meningocele
 - c- Transillumination is helpful
- 10-Intracranial pressure is:
 - a- Systolic + cerebral perfusion (CCP)
 - b- Systolic cerebral perfusion
 - c- Mean arterial + CPP
 - d- Mean arterial CPP
- 11- A patient with headache, blurring of vision, Rt homonymous hemianopia with loss of light reflex the lesion is in:
 - a- Frontal
 - b- Temporal
 - c- Parietal
 - d- Occipital
 - e- Corpus callosum
- 12-One is not seen in increase ICP:
 - a- Erosion of posterior clenoid
 - b- Thumb-eaten appearance
 - c- Erosion of dorsal sella
 - d- Shallow posterior fossa
 - e- Widening of sutures

1996

- 1- Most common first presentation of spinal tumor in children:
 - a- Gait
 - b- Sensory deficit
 - c- Pain
 - d- Motor deficit
 - e- Sphincter problem
- 2- All tumors has male predominance except:
 - a- Neuroma
 - b- Ependymoma
 - c- Medalloblastoma
 - d- Glioblastoma multiform

- 3- Neurofibroma all except:
 - a- Usually in motor roots
 - b- Arise from lateral or posterior side of spinal cord
 - c- May lead to increase of intravertebral foramen
- 4- Increase ICP all except:
 - a- Thumb imprenion (x-ray)
 - b- Wide suture
 - c- Skull enlargement
 - d- Erosion of posterior clenoid
 - e- Enlargement of sella turcica
- 5- 50 year old femal presented to ER with sudden onset sever headache and photophobia on exam, neck stiffness, Dx:
 - a- Subarachnoid hemorrhage
 - b- Meningitis
- 6- Hydrocephalum, shunt, complication all except:
 - a- Meningitis
 - b- Shunt rejection
 - c- Ventriulitis
 - d- Subdural hematoma
 - e- Epilepsy
- 7- Meningomyelocele, aims of treatment all except:
 - a- Plastic appearance
 - b- Decrease CSF leak
 - c- Prevent infection
 - d- Prevent further neurological deficit
- 8- Cushing's syndrome can be due to all except:
 - a- Adrenal tumor
 - b- Pit tumor
 - c- Lung tumor
 - d- Breast CA
 - e- Teratogenic
- 9- Subdural hematoma one is true:
 - a- Usually its prognosis is worse than extradural hematoma
 - b- Arises from meningeal vessels
 - c- Treatment of choice to evacuate hematoma and excisin of lacerated necrotic tissue by Burr holes
- 10-Epilepsy occurs post trauma due to all except:
 - a- Depressed fracture
 - b- Intracranial hematoma
 - c- Dural tear

2002/2003

- 1- In lateral herniation the structure damaged is:
 - a- Uncus
 - b- Tonsils
 - c- Brainstem
 - d- Cerebellum
- 2- Regarding myelomeningocele which is incorrect:
 - a- Associated with hydrocephalus in 80% of cases
 - b- Male predominance
 - c- Occurs during the first month of pregnancy
 - d- Associated with diastomatomyelia
- 3- A 60 year old man, developed back pain followed by paraparesis then developed to paeraplegia over 6 hours, on CXR, he had a hilar mass which of the following is most likely the diagnosis:
 - a- Extradural extramedullary neoplasm
 - b- Extramedullary intradural neoplasm
 - c- Intramedullary intradural neoplasm
 - d- Hematomyelia
 - e- Transverse myelitis
- 4- Regarding spontaneous SAH, all are correct except:
 - a- Rebleeding may occur in following 3-10 days
 - b- Vasospasm may occur in the following 1-3 days
 - c- Conservative management is recommended in stage 1
- 5- An aneurysm in which of the following is most likely to cause unilateral 3rd cranial nerve palsy:
 - a- Anterior communicating artery
 - b- Posterior communicating artery
 - c- Middle cerebral artery

2003/2004

- 1- All are associated with sopinal neurogenic shock except:
 - a- Dry skin
 - b- Warm skin
 - c- Paralysis
 - d- Hypotension
- 2- All are true about benign intracranial HTN except:
 - a- High CSF open pressure
 - b- High CSF protein
 - c- Young obese females
 - d- Best treatment is by LP shunt
 - e- CT shows small or normal sized ventricles
- 3- Which is true about subdural hematoma?
 - a- Blood between skull and dura
 - b- Worse prognosis than EDH
 - c- Blood from meningeal artery
 - d- Best treatment is by Burr holes and evacuation
- 4- All can indicate the level of disc prolapsed exceot:
 - a- Muscle weakness
 - b- Absent reflex
 - c- Absent Babinski
 - d- Radiation of pain
 - e- Dermatomal distribution of sensory loss
- 5- Which is in correct about saccular aneurysm?
 - a- Most common aneurysm
 - b- Multiple in 20% of cases
 - c- Pathology is defective external lamina
 - d- Mostly at bifurcation of arteries in the base of the brain
 - e- 905 in anterior circulation
- 6- Which is incorrect about subarachnoid hemorrhage?
 - a- Occurs only in adults
 - b- Associated with sudden onset headache
 - c- Aneurismal hemorrhage has poorer prognosis than AVM
 - d- Surgery is not done for stage 4
- 7- The most common posterior fossa tumor with calcification is:
 - a- Ependymoma
 - b- Medalloplastoma
 - e- Pilocystic astrocytoma
 - d- Choroid plexus papilloma

- 8- A 45 year old female, complaining of progressive back pain, LL paraparesis and LL hyposthesia over 2 years. The most likely is:
 - a- Breast cancer metastasis
 - b- Spinal meningioma
 - c- Spinal neurofibroma
- 9- About Dandy-Walker malformation, which is not true:
 - a- Absent or hypoplastic cerebellar vermis
 - b- Post. Fossa cyst communicates with 4th ventricle
 - c- Associated with hypocephalus
 - d- Small post. Foss
 - e- Can be associated with polydactaly
- 10- About meningioma, which is not true?
 - a- Usually metastatizes
 - b- Hx of radiation
- 11- About medulloblastoma, which is wrong?
 - a- Resistant to CTX
 - b- Occurs in children < 15 years old
 - c- Need neuraxis radiation
 - d- CSF seeding
- 12-About SAH, which is not true?
 - a- F > M
 - b- Rebleeding mostly occurs in the 1st 3 days
 - c- Surgery aims at preventing rebleeding
 - d- Rebleeding partly occurs due to fibrinolytic activity in CSF
 - e- The only way to demonstrate blood in CSF is by LP
- 13- All causes communicating hydrocephalus except:
 - a- Meningitis
 - b- Aqueductal stenosis

"تمت بحمد الله.. والله الموفق"

Part-2

Neurology

2016 final exam questions weren't collected since most of them came from the "Multiple choice questions" section in the Neurology lecture notes

24/5/2015

1- Which of the following drugs can be used to treat essential tremor:

carbamazipine

phenytoin

topiromate

lamotrigine

valproate

2- Which of the following is wrongly mismatched:

topiromate:focal epilepsy valproate: general epilepsy

haloperidol: Parkinson

3- Which of the following is not seen in thrombosis of left PICA:

vertigo

left horner's syndrome

dysphagia

dysarthria

loss of right facial sensation

- 4- The most common cause of pseudodementia in elderly is:
 - -drug intoxication
 - -depression
 - -alzheimers
- 5- The most important risk factor for lacunar infarct is:

diabetes

chronic HTN

hypothyroidism

dyslipidemia

smoking

6- The nerve responsible for foot eversion is:

deep peroneal nerve

superficial peroneal nerve

tibial nerve

femoral nerve

sciatic nerve

7- The muscle that causes hip abduction is:

gluteus maximus

gluteus medius

quadrecips femoris

illiopsoas

8- All of the following can be caused by lacunar infarct except:

pure motor

pure sensory

ataxia hemiparesis

broca's aphasia

multi-infarct dementia

9- All of the following causes autonomic dysfunction except:

Diabetes

multiple system atrophy

gullian barre syndrome

lambert-eaton syndrome

sjogren's syndrome

10- A patient with bacterial meningitis, lumbar puncture is contraindicated in all of the following except:

witnessed seizures

had a head injury 1 year ago with transient loss of consciousness

right hemiparesis

decreased level of consciousness

papilledema

11- All of the following have proven benefit in treating Parkinson except:

L-dopa

selegilline

promipexole

vitamin E

amantadine

12- a patient with fever, headache, CSF showed increased lymphocytes, slightly elevated protein, normal glucose, no RBCs. MRI showed left temporal lobe abnormality, the CSF will also show which of the following:

indian ink for cryptococcal meningitis

gram stain for diplococcal strep

acid-fast stain for TB

HSV DNA by PCR

13- a 63 year old women with saddle nose deformity, left ear otitis media, multiple peripheral nerves are affects, ESR 108, creatinine elevated (the same case is written at the end of chapter 19), whats the most likely diagnosis:

polyarteritis nodosa

rheumatoid arthritis

Wegner's granulamatosis

Polymiositis

14- which of the following is true about cluster headache:

duration 6-8 hours

more common in females

pain is in the parietal area

subcutaneous sumitriptan can be used in acute attaks

15- which of the following neurobiochemical abnormality occur in Parkinson:

dopaminergic excess

cholinergic deficiency

cholinergic excess

serotonin deficiency

16- what is wrong about Wilson's disease:

increased ceruloplasmin

may present as jaundice in childhood

17- what is not part of the MMSE(mini-mental state examination):

orientation

neglect

registration

language

attention

18- a patient with recurrent tonic clonic seizures, and myoclonus in the morning, whats the treatment:

carbamazipne

valproate

phenytoin

topiromate

19- which of the following indicate a spinal cord injury

sensory inattention

a sensory level

20- a tuning fork was put on the forehead will help you:

see the bigger external ear

the ear with the highest frequency range

to detect conductive and sensory hearing loss

21- a patient with lower limb weakness and a T12 sensory level, had an MRI of the lower thoracic and lumbar spine and it was normal, the next step in management is:

MRI of cervical and upper thoracic

22- the antibiotic used for prophylaxis of mennengicoccal meningitis is:

Rifampicin

ceftriaxone

ampicillin

vancomycin

23- which of the following is a Normal CSF finding:

protein 0.1-0.4g/L

300mm H2O pressure

15 WBC

oligoclonal bands

24- all of the following causes subarachnoid hemorrhage except:

rupture of berry aneurysm

rupture of charcot-bochard aneurysm

mycotic aneurysm

AV malformation

trauma

25- the most sensitive test for relapsing remitting MS is:

MR

Visual evoked potentials

CSF assay

CT

26- which of the following is true about MS:

more common in tropical areas

more common in males

its characterized by an inflammatory demyelination of CNS and spinal cord

it's a disease of the gray matter

27- all of the following are features of ALS except:

fasciculations

may have dysphagia and dysarthria

affects both UMN and LMN

Ihermitte sign

28- Not found in relapsing remitting MS:

progressive bladder dysfunction

recurrent tonic clonic seizures

optic neuritis

29- EEG waves in a relaxed man with eyes closed will have a frequency of: 0-4 Hz 5-8 Hz 8-13 Hz 14-25 Hz 26-42 Hz 30- All can be seen in gullian-barre syndrome except: respiratory dysfunction bilateral facial weakness bilateral internuclear opthalmoplegia 31- Which of the following causes irreversible Parkinson: LSD **MPTP** barbiturates 32- All of the following causes reversible dementia except: **B12** deficiency creutzfeldt-jakob disease HIV dementia hypothyroidism normal pressure hydrocephalus 33- All are true about Alzheimer's disease except: characterized pathologically by neurofibrillary tangles and neuritic plaques most common cause of dementia overall anticholinergic drugs are used to treat memory loss 34- All of the following can be causes of gullian-barre syndrome except: HIV TB CMV mycoplasma pneumonia campylobacter 35- A patient came to the ER with stroke, the most important test to do is: MRI CT with contrast **CT** without contrast EEG

36- All of the following are causes of lower motor neuron facial palsy except:

bell's palsy

parotid tumor

sarcoidosis

midbrain infarction

herpes zoster

37- All of the following are true about migraine headache except:

occurs at the end of the week

duration is 2 hours

throbbing in nature

unilateral

38- A person with bitemporal hemianopia, where is the lesion:

optic nerve

optic radiation

optic chiasm

retina

39- A patient with Wernicke's aphasia, thrombosis of which artery caused it:

internal carotid artery

PICA

AICA

basilar artery

40- A woman with Breast cancer had left lower limb weakness with hyperreflexia and Babinski sign, loss of proprioception in left lef, loss of pain and temperature in right leg, whats the diagnosis:

gullian-barre syndrome

brown sequard syndrome

lambert-eaton

41- Damage to the left temporal lobe will result in:

expressive aphasia

global aphasia

receptive aphasia

dyscalculia

42- All of the following causes pseudobulbar palsy only except:

Motor neuron disease

myasthenia gravis

carcinomatous meningitis

syringobulbia

43- which of the following doesn't cause tunnel vision:

chronic glaucoma

retinitis pegmintosa

hysteria

bilateral cortical hemianopia with macular sparing

infarction of the lateral geniculate body

44- a 57 year old male, with htn and smoker, had recurrent seizures, all are part of investigations of seizures except:

EEG

CT

MRI

chest xray

CSF

45- One of the following not in vegatitive state:

-dilated and fixed pupils

- -severe brain damage
- -cycles of eye opening-closure as in sleep cycles
- -intact brain stem

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- 1. Which one of the following muscles is responsible for ankle eversion:
 - a. Peroneus longus muscle
 - **b.** Tibialis posterior
 - c. Tibialis anterior
 - d.
 - e.
- 2. Which one of the following muscles is responsible for ankle dorsiflexion
 - a. Peroneus longus
 - **b.** Tibialis anterior
 - c. Tibialis posterior
 - d.
 - e.
- 3. All of the following nerves are mixed(sensory and motor) except:
 - a. Sural nerve
 - b. Femoral nerve
 - c. Sciatic nerve
 - d. Tibial nerve
 - e. Peroneal nerve
- 4. Which nerve is associated with claw hand deformity?
 - a. Radial nerve
 - **b.** Ulnar nerve
 - c. Median nerve
 - d. Anterior interosseus
 - e. Posterior interosseus
- 5. Tumor invading apex of the lung (Pancoast tumor) will affect which of the following
 - a. C4 and C5
 - b. C5 and C6
 - c. C6 and C7
 - d. C8 and T1
 - e. T1 and T2

- 6. All of the following are associated with Horner's syndrome except:
 - a. Syringomyelia
 - **b.** Internal carotid artery dissection
 - **c.** Posterior communicating artery aneurysm
 - d. Cluster headache
 - e. Tumor invading apex of the lung
- 7. Friedrieh's ataxia is not associated with:
 - a. Truncal ataxia
 - b. Limb ataxia
 - c. Dementia
 - **d.** Loss of position
 - e.
- 8. All of the following are associated with acute cognitive deficit exept:
 - a. Thalamic infarct
 - b. Huntington's disease
 - c. HIV
 - d.
 - e.
- 9. All of the following are risk factors for Alzheimer's except:
 - a. Poor education
 - **b.** Age
 - c. Apolipoprotein E4
 - d. Down's syndrome
 - e. Male gender
- 10. Lesion in which one of the following sites will cause PURE sensory deficit?
 - a. Thalamus
 - b. Basilar pontis
 - c. Internal capsule
 - d.
 - e.

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- 11. A 16-year-old female previously healthy, went to her exam today where she had tonic-clonic convulsions, she denied any previous similar attacks when asking her mother: she said that she didn't sleep enough yesterday, and on the morning her mother noticed morning jerking upon waking up, what's the most likely diagnosis?
 - **a.** Pseudoseizures (retro-convulsions and hysteria)
 - **b.** Petit-mal epilepsy
 - c. Myoclonic juvenile
 - d. Grand-mal epilepsy on waking up
 - **e.** Complex partial seizure with secondary generalization
- 12. Drug that is associated with triad of hirsutism, weight gain and tremor?
 - a. Lamotrigine
 - b. Sodium valproate
 - c. Carbamazepine
 - d. Topiramate
 - e. Phenytoin
- 13. A 55-year-old female , had trigeminal neuralgia (case mentioned not the exact diagnosis) , what is the primary treatment?
 - a. Indomethacin
 - b. Sodium Valproate
 - c. Carbamazepine
 - d. Ethosuximide
 - e.
- 14. In patient who had contact with other patient whose infected with meningococcal meningitis , what drug to give prophylactically for the first patient?
 - a. Isoniazid
 - b. Rifampicin
 - c. Penicillin G
 - d. Ethosuximide
 - e. Tetracycline

- 15. all of the following drugs are used in PROPHYLAXIS of migraine except :
 - a. valproate
 - **b.** ibuprofen
 - c. flunarizine
 - d. verapamil
 - e. amitriptyline
- 16. A 9-year-old female, a case of absence seizure (case mentioned not the exact diagnosis), drug of choice is:
 - a. Sodium valproate
 - **b.** Carbamazepine
 - c. Topiramate
 - d. Phenytoin
 - e. Lamotrigine
- 17. Which of the following is true about myasthenia gravis:
 - a. Presynaptic block by anti-Ach Abs
 - Postsynaptic block by Anti-Ach receptor Abs
 - c.
 - d.
 - e.
- 18. Which of the following drugs/chemicals will cause irreversible features of Parkinson?
 - a. LSD (lysergic acid)
 - **b.** MPTP
 - c.
 - d.
 - e.
- 19. About Parkinson, what is TRUE:
 - **a.** Triad of tremor, bradykinesia and spasticity
 - **b.** Most common at age of 45
 - **c.** The aid of treatment is to increase dopamine levels
 - d.
 - e.

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- 20. Most common cause of myopathy before age of 40 is :
 - a. Cervical spondylosis
 - b. Myasthenia gravis
 - c. Multiple sclerosis
 - d.
 - e.
- 21. Patient who is right handed, a lesion in the left parietotemporal area will cause:
 - a. Expressive aphasia
 - b. Receptive aphasia
 - c. Gait apraxia
 - d.
 - e.
- 22. Hemiballismus is related to lesion in:
 - a. Subthalamic nucleus
 - b. Caudate nucleus
 - c. Putamen
 - **d.** Nucleus basalis
 - e.
- 23. Regarding Alzheimer's, all are true except:
 - **a.** Common in all ages , and increased in elderly
 - Characterized by intracellular neurofibrillary tangles and extracellular neuritic plaques
 - Death of neurons in hippocampus, temporal neocortex and nucleus basalis of mynert
 - **d.** Early course of disease is controlled by anticholinergic drugs
 - e.
- 24. About multiple sclerosis, one of the following is true:
 - a. Most common course is progressive
 - **b.** Characterized pathologically by axonal degeneration
 - c. More common in temperate area
 - d.
 - e.

- 25. All of the following injuries are associated with sensory loss except :
 - a. Axillary nerve injury
 - **b.** Anterior horn at C8
 - **c.** C8 root injury
 - d.
 - e.
- 26. Left hemi-dissection at thoracic level (Brown-sequard), all of the following are true except:
 - **a.** Left lower spastic paresis
 - **b.** Loss of position and vibration sensation in the left lower limb
 - **c.** Loss of pain and temprature sensation in the left lower limb
 - **d.** Loss of pain and temperature sensation in the right lower limb
 - e. +ve Babinski reflex in the left lower lib
- 27. Parient developed vomiting, photophobia, on examination only neck stiffness, nothing else, his CSF was as the following (normal pressure, elevated proteins, normal glucose levels, elevated WBC (100%lymphocytes)) what's your diagnosis
 - **a.** Tuberculous meningitis
 - **b.** Herpes simplex encephalitis
 - **c.** Bacterial meningitis
 - d. Cryptococcal meningitis
 - e. Viral meningitis

28. Regarding CSF which of the following is true

- a. Up to 5 neutrophils/microliter
- **b.** 160 cm CSF pressure
- c. 30 mg/dl glucose (blood 110 mg/dl)
- **d.** 80 mg/dl proteins
- e. Oligoclonal bands can be found in the normal CSF content

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29. Most important modifiable risk factor that can be controlled in stroke is :

- a. Hypertension
- **b.** Hypercholesterolemia
- c. Smoking
- d. Diabetes
- e.

30. Most common cause of seizures(epilepsy) in elderly is :

- a. Primary tumor
- **b.** Tumor metastasis
- **c.** Stroke
- d.
- e.

31. All of the following can cause multifocal neuropathy except:

- a. SLE
- **b.** Vasculitis
- **c.** Hereditary neuropathy with pressure injury tendency
- d. Isoniazid
- e. Malignant infiltration

32. Regarding stroke, all of the following are true except:

- **a.** Seizure is one of the common complications of stroke
- **b.** Dementia is one of the common complications of stroke
- c. Medical treatment is very effective in reversing the resultant disabilities of stroke
- d.
- e.

33. All of the following can be caused by Vit. B12 deficiency except:

- **a.** Subacute combined degeneration of the cord
- **b.** Polyneuropathy
- c. Dementia
- **d.** Optic atrophy
- e. Cerebellar degeneration

34. Regarding Guillain-Barre syndrome, all are true except :

- a. Hyperreflexia
- **b.** Alternating blood pressure
- c. Diarrhea helps you in your diagnosis
- d. Progressive weakness over one week
- e.
- 35. 24 years old female developed weakness on right side , previously healthy , which of the following isn't considered a risk factor for her condition
 - a. History of DVT
 - **b.** History of OCPs use
 - **c.** Her dad died at 70 years old due to stroke
 - d.
 - e.
- 36. A 70-year-old male previously healthy, he developed a right sided hemiparesis of one week duration, on examination: no sensory disturbance, cranial nerves examination is normal. where is the site of lesion?
 - a. Right inferior cerebral artery
 - **b.** Right lacunar infarct in the internal capsule
 - **c.** Left internal infarct in the internal capsule
 - d.
 - e.

37. All of the following cause pseudotumor cerbri except:

- a. Disorders of calcium metabolism
- **b.** SLE
- c. Hypervitaminosis E
- d. Tetracycline
- e. Intracranial venous sinus thrombosis

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e.

- 38. All of the following are considered cerebellar signs except:
 - a. Hpotonia
 - **b.** Dysmetria
 - c. Dyarthria
 - d. Postural tremor
 - **e.** Decreased repid alternating hand movements
- 39. Regarding essential tremor, all are true except
 - **a.** Positive family history
 - **b.** It's a rest tremor
 - c. Decreased by small amount of alcohol
 - **d.** Improved with propranolol

e.

- 40. Regarding essential tremor, what is true:
 - a.
 - b.
 - c.
 - d.
 - e.
- 41. Patient presented with upper and lower limb weakness, muscle atrophy (loss of muscle bulk) in upper limb, flaccidity in upper limb, and brisk reflexes in lower limb, your diagnosis is:
 - a. Amyotrophic lateral sclerosis
 - **b.** Subacute combined degeneration of the cord
 - c. Cervical spondylosis
 - d.
 - e.
- 42. Patient, previously healthy, he developed tinnitus, vertigo in the left ear, also he developed hearing loss, on examination occulucephalic test was normal, wat's your diagnosis:
 - a. Meniere's disease
 - **b.** Benign paroxysmal positional vertigo
 - c.
 - d.

- 43. Lateral medullary (Wallenberg) syndrome is due to occulusion of :
 - a. Anterior cerebral artery
 - **b.** Middle cerebral artery
 - c. Posterior communicating artery
 - **d.** Anterior inferior cerebellar artery
 - e. Posterior inferior cerebellar artery
- 44. Patient with Rt. midbrain infarction(Weber's syndrome), all are true except:
 - a. Left sided weakness of the body
 - **b.** Left facial weakness
 - c. Left occulomotor palsy
 - d.
 - e.
- 45. all of the following are contraindication to do lumbar puncture except :
 - a. Patient on aspirin
 - **b.** Seizure
 - c. Papilledema
 - d. Coma
 - e.
- 46. All of the following need further investigations and neuroimaging studies for secondary causes of headache except:
 - a. Rapid progression of headache
 - **b.** Fever
 - c. previous similar attacks
 - d.
 - ρ.
- **47.** Responsible for myelination of common peroneal nerve is:
 - a. Oligodendrocytes
 - **b.** Schwann cells
 - c. Astrocytes
 - d. Microglial cells
 - e.

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48. All of the following block the action at the neuromuscular junction except :

- a. Myasthenia gravis
- **b.** Botulinum toxin
- c. Periodic paralysis
- d. Organophosphate poisoning
- e. Lambert-Eaton myasthenic syndrome

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Answers:

- 1. A
- 2. B
- 3. A
- 4. B
- 5. E
- 6. C
- 7. A
- 8. A
- 9. E
- 10. A
- _---
- 11. C
- **12.** B
- 13. C
- 14. B
- 15. B
- 16. A
- 17. B
- 18. B
- 19. C
- 20. C
- 21. B
- 22. A
- 23. D
- 24. C
- 25. B
- 26. C
- 27. E
- 28. B
- 29. A
- 30. C
- **31.** D
- 32. C
- 33. E
- 34. A
- 35. C
- 36. C
- 37. C
- 38. D
- 39. B
- 40. ??

- 41. A
- 42. A
- 43. E
- 44. C
- 45. A
- 46. C
- 47. B
- 48. C
- 49.
- 50.

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Neurology Final Exam

2013 /4th year

Note: not all answers are for sure.. (??) means also doubted ansewrs

- Chronic inflammatory demyelinating polyneuropathy
- Poliomyelitis
- Acute poliomyelitis
- 1) All of the following are causes of reversible dementia except?
- Pick's Disease
- Vitamin B12 deficiency
- Chronic subdural hematoma
- Normal preesure Hydrocephalus
- 2) All of the following are causes of dementia except?
- Progressive multifocal leukoencephalopathy
- -Thyrotoxicosis
- 3) A 45 year old patient presented to the clinic complaining off weakness of the lower limbs and inability to walk progressing during one week. He had a history of an uncomplicated diarrheal illness which resolved in the past month. The patient also complained of difficulty breathing. On examination he was found to have bilateral ptosis and facial weakness. The patient also had decreased vital capacity. Which of the following is the most likely diagnosis?
- Acute inflammatory demyelinating polyneuropathy (Guillain-Barré syndrome)

- 4) Which of the following muscles is not supplied by the median nerve?
- Supinator
- Palmaris longus
- Pronator teres
- Flexor carpi radialis
- Flexor digitorum superficialis
- 5) A patient presented with pure right sided hemiparesis & hemianopia without sensory impairment; a lesion at which of the following best explains the patient's presentation?
- Lacunar infarct of the internal capsule
- Right middle cerebral artery
- Left middle cerebral artery
- 6) A patient presented with left sided hemiparesis, On examination he appeared to have right eye ptosis and paralysis of down gaze with his right eye abducted. He had a dilated pupil and divergent sequent of the same eye. The patient's presentation would

be best explained by a lesion at which of the following?

- -Rt. Midbrain
- Rt. Pons
- Rt.Medulla
- Right middle cerebral artery
- Left middle cerebral artery
- 7) Which of the following drugs is not an enzyme inducer?
- Carbamazepine
- Sodium valproate ??
- Phenytoin
- Phenobarbital
- None of the above
- 8) Which of the following is not caused by hypooarathyroidism?
- Tetany
- Myopathy
- Seizures
- Cerebellar syndrome ??
- 9) A lesion found on MRI at which of the following locations would be most specific for a diagnosis of multiple sclerosis?
- Corpus callosum ??
- Cerbellum

- Spinal cord
- Brain stem
- Internal capsule
- 10) All of the following are characteristics of Duchenne muscular dystrophy except?
- Distal weakness
- Elevated CPK
- Hypertrophy of calf muscle
- Normal deep tendon reflexes
- 11) All of the following are true about Wilson's disease except?
- Autosomal recessive inheritance
- High levels of ceruloplasmin
- Can present with isolated hepatic problems
- Nearly all patients with neurological manifestations will have a Kayser-Fleischer ring
- Involves deposition of copper in the basal ganglia
- 12) Meningitis due to head injury is mostly due to:
 Staph.aures
- 13) A pt having amaurosis fugax at the left eye, which of the following TIA territory will produce this symptom
- Left anterior cerebral artery

- Left common carotid
- Left internal carotid artery
- Left vertebral artery
- Left basilar
- 14) A finding of periodic lateralized epileptiform discharges (PLEDs) on EEG would be most readily explained by which of the following?
- Herpes simplex encephalitis
- cretzfuld jacob
- meningococcal
- 15) Ampicillin added to regular meningitis antimicrobial coverage would be to cover which of the following bacteria?
- Listeria monocytogenes
- Neisseria meningitides
- H. Influenzae
- 16) All of the following are true regarding meningitis except?
- Staphylococcus is involved in patients with head injury
- H.influenzae causes meningitis in children aged 3-9 months (Not quite sure about the wording of this choice)
- Neisseria meningitis spreads in epidemics
- Meningitis can cause hypernatremia ??

- 17) A patient presented with bilateral ptosis worse at the end of the day, he had normal pupil, pt was able to look downward on right eye, and abducte left eye (signs and symptoms suggestive of fatigue-able muscle weakness), what is the most likely diagnosis?
- -Myasthenia gravis
- 18) A pateint presenting with fasciculation and limb weakness, but also hyper reflexia and up going plantar response (mixed upper motor neuron and lower motor neuron signs and symptoms), what is the most likely diagnosis?
- Amyotrophic lateral sclerosis (Motor neurone disease)
- 19) All of the following are present in bulbar palsy except?
- Nasal speech
- Nasal regurgitation of fluids
- Impaired swallowing
- Wasted, fasiculating tongue
- Emotional liability
- 20) All of the following drugs are used to treat Parkinson's disease except?
- Dopamine receptor antagonists
- Amantadine
- L-DOPA

- 21) A 65 year old patient presented with a 5 year history of a tremor that increases on movement (he had trouble holding a pencil?), he states that his brother and father both had the same problem at around the same age. Which of the following is not true about this tremor?
- increases with rest
- 22) All of the following are used to treat essential tremor except?
- L-DOPA
- Ethyl alcohol
- Propranolol
- Topiramate
- Primidone
- 23) Young girl, attacks of stop talking, movement as she's arranging sth, lip smacking

Indicate:

- temporal epilepsy ??
- frontal epilepsy
- TIA
- 24) Which is true in pt with multiple sclerosis
- more common in tropical climate
- relapsing remitting is most common pattern

- occur between the age of 40-50
- 25) All of the following are true about physiological tremor except;
- no positive family history
- rest tremor ??
- increase by anxiety
- increase by brochiodilators
- decrease with beta blockers
- 26) Which of the following is true about idiopathic Parkinson
- destruction of globus pallidus
- clinical triad of akinesia, tremor, spasticity
- action tremor of 8-12 Hz frequency
- anti cholenergic are effective to treat tremor
- 27) A case of brown- seqward syndrome at the level of left C6

One of the following isn't found:

- Left leg brisk deep tendon reflexes
- left leg babinski+
- Left leg tempreature sensation loss
- -Right leg pinprick sensation loss
- loss of proprioception in the left big toe

- 28) Which of the following is true about polymyositis;
- it has autoimmune base
- it indicate an underlying malignancy
- it spare the pharyngeal muscles
- it affects distal muscle groups
- 29) Pt Developed impaired sensation of medial side of hand and forearm, wasting of thenar and hypothenar eminense, eye ptosis on same side he is somker and had some wt loss recently:
- >>> lower brachial plexus injury
- 30) Which of the following is the most common vascular risk factor of ischemic stokes:
- old age
- hypertension
- diabetes
- smoking
- hypercholesterolemia
- 31) Most of the intrinsic hand muscles are supplied by:
 Ulnar nerve
- 32) All of the following are useful to investigate for myopathy except;
- muscle biopsy

- single fiber EMG
- genetic test
- repeated muscle stimulation
- CPK
- 33) A stroke of which artery result in left hemiplegia, that pt denies, with left hemianopia
- right middle cerebral
- right anterior cerebral
- right posterior cerebral
- right basilar
- 34) Which of the following vitamin is deficient in wernickes encaphelopathy
- >>> thiamine
- 35) Pt had giant cell arteritis presentation, which of the following is done first;
- ESR
- temporal artery biopsy
- angiogram with contrast of carotid artery
- 36) All of the following CSF results indicate idiopathic intracranial hypertension except
- CSF color like water
- CSF pressure of 35 cm CSF
- glucose 80% of serum

- protein 40 % of serum
- WBCs 35/ mcl most lymphocytes ??
- 37) All of the following true about cluster headache except;
- steroids might be effective in treatment of acute attacks
- Sleep can decrease pain
- Associated with conjunctival injection and increased lacrimation
- -Duration 20-120 min
- 38) Which of the following is true about absence seizures:
- EEG spikes that are 3 Hz, symmetrical
- associated mental retardation
- treatment of choice is carbamazepine
- Onset is mostly in adulthood
- there's usually a structural lesion on MRI
- 39) The most common cause of myelopathy in pt aged less than 40 years is
- >>> multiple sclerosis
- 40) One of the following in not expected to be found with MS:
- Urinary urgency
- fever

- depression
- shooting tingling sensation in the arms with neck flexion
- fatigue
- 41) All of the following are associated with cerebellum dysfunction except
- ipsilateral hypertonia
- ipsilateral intention tremor
- ipsilateral dysmetria
- fall of the body to the affected side
- ipsilateral pendular reflexes
- 42) One of the following is not a feature with U.M.N.L:
- -Brisk deep tendon reflexes
- -fasciculations
- -Upgoing plantar reflex
- -Absent abdominal reflex
- pronator drift
- 43) One of the following isn't found with optic neuritis in MS:
- Pain around the eye, especially with eye movement
- loss of color vision
- Relative afferent pupillary reflex

- enlargement of the physiological blind spot

- 44) What is the MOA of carbidopa;
- >>> DOPA decarboxylase Inhibitor
- 45) Which if the following is function of non dominant hemisphere
- language
- calculation
- reading
- writing
- visuospatial skills
- 46) One of the following findings is considered a NORMAL CSF:
- -Pressure: 80-180 mmCSF
- -Glucose <30% serum
- -Protein 65mg/dl
- -cells: 35 /mcL
- -oligoclonal bands
- 47) All of the following result in subarachnoid hemorrhage except;
- >>> Charcot- Bouchard aneurysm
- 48) All of the following can be used as prophylaxis for migraine except;

- sumatriptan
- metoprolol
- topramate
- sodium valproate
- -amitryptiline
- 49) Which of the following anti epileptic drug is not given in pt with renal stones, due to risk of urolethiasis;
- >> topiramate
- 50) Which of the following CSF analysis indicate bacterial meningitis
- >> glucose 30% of serum, WBC 850, neutrophil 90%, lymphocytes 3%, protein 50 mg
- ** A lesion at the right parietal lobe would result in which of the following patterns of visual loss:
- >>> left lower quadrentinopia

1-which of the following cells is responsible for myelination of the neurons in the spinal cord:	8-wrong about Giant cell arteriris: tx is not initiated until biopsy confirmation				
a. oligodendrocytes					
b. Schwan cells	9-a case about myasthenia gravis next step: assess lung function				
2-not True about migraine :	10- about multiple sclerosis patern which is most sensitive test:				
a. 2 hours duration	a. MRI				
b. at the end of a long week end					
	b. CSF for protein, cells, and glucose(note : to detect oligoclonal bands, which requires gel electrophoresis, you need to specify that)				
3-abduction of shoulder: axillary nerve					
4-inversion of foot: tibialis posterior	c. Visual evoked potentials)				
5-causes both bulbar and psudobulbar : motor neuron diseaes	11-loss of temporal visual fields: optic chiasm				
6- Which of the following causes					
fasiculations:	12-Which of the following is not a confirmed cause of Gullian-Barre syndrome:				
a. ALS(amiotrophic lateral sclerosis)	a. H. pylory				
b. Myesthenia gravis					
	b. Campylobacter jujeni				
7- which of the following sentences is true	c. Mycoplasma pneumoniae				
regarding giant cell arteritis:	d. CMV				
a. amaurosis fugas is ominous symptom	e. HIV				
b. it may be associated with fibromyalgia					
c. More common on men	13-wrong about gullian berre: hemiparesis??? (جوابه??) hyporeflexia هو بيعمل areflexia??)				

	21- true in alzheimer: intracellular tangles				
14- true: most common cause of myelopathy in patients >50 is cervical spondolysis	22- not in tx of parkinson:				
	MAO-a inhibitor				
15- wrong drug:disease match:					
a. aspirin-tx of A.fib,stroke and htn	23- not prophylaxis of migrane :				
b.Topiramate:(I can't remember which form	a.lithium ??				
of epilepsy)	b. Sodium valproate				
c. Topiramte: prophylaxis in migraine	c. Topiramate				
16-doesn't cause focal epilepsy: benzodiazepine withdrawal	24- which of the following lesions is can cause pure motor loss:				
	a. internal capsule				
17- true abou MS: seperated in time and					
space	b. caudate				
•	b. caudate				
18- Which of the following value is normal range regarding CSF:	b. caudate 25- Hx which is consistent with 3 days old stroke, what test should be done:				
space 18- Which of the following value is normal	25- Hx which is consistent with 3 days old				
18- Which of the following value is normal range regarding CSF: protein 30 mg/dl	25- Hx which is consistent with 3 days old stroke, what test should be done:				
18- Which of the following value is normal range regarding CSF: protein 30 mg/dl 19- which is the following CSF analysis results is consistent with bacterial	25- Hx which is consistent with 3 days old stroke, what test should be done: a. non-contrast CT				
18- Which of the following value is normal range regarding CSF: protein 30 mg/dl 19- which is the following CSF analysis	25- Hx which is consistent with 3 days old stroke, what test should be done:a. non-contrast CTb. MRA with ??				
18- Which of the following value is normal range regarding CSF: protein 30 mg/dl 19- which is the following CSF analysis results is consistent with bacterial meningitis: the one with 85% neutrophils 20- a case with visual hallucinations, flexed	25- Hx which is consistent with 3 days old stroke, what test should be done:a. non-contrast CTb. MRA with ??				
18- Which of the following value is normal range regarding CSF: protein 30 mg/dl 19- which is the following CSF analysis results is consistent with bacterial meningitis: the one with 85% neutrophils	 25- Hx which is consistent with 3 days old stroke, what test should be done: a. non-contrast CT b. MRA with ?? c. contrast CT 				

28- Pt with breast mass,,, with spastic paralysis in left leg with up-going plantar of	d. decreased with eye opening				
the left foot, normal motor and sensation the upper limbs, loss of pain and vibration in the left LL:	e. symmetrical				
injury in left epidural thoracic	34-which of the following is wrong:				
29- wrong about Wernecke's encephalopathy: associated with pyrodoxine deficiency	increase glucose(or normal, I can't remember): enterovirus 35- Which of the following not a frontal lobe function: visuospatial orientation				
30-Which of the following has no value in the Dx of brain death: flat EEG	36- true: trigeminal is affrent in corneal reflex				
31- a case of meningitis(the patient has fever and has been taking antibiotics at home for the last 2 weeks):	37-A superior temporal lesion will result in:a. receptive aphasia				
fever and has been taking antibiotics at					
fever and has been taking antibiotics at home for the last 2 weeks): a. blood sample ,give antibiotics and then	a. receptive aphasia				
fever and has been taking antibiotics at home for the last 2 weeks): a. blood sample ,give antibiotics and then LP.	a. receptive aphasia b. expressive aphasia				
fever and has been taking antibiotics at home for the last 2 weeks): a. blood sample ,give antibiotics and then LP. b. Start ABO, then blood sample and LP	 a. receptive aphasia b. expressive aphasia c. global aphasia 38-Injury to which nerve will result in hand muscle wasting sparing the thenar muscles: 				
fever and has been taking antibiotics at home for the last 2 weeks): a. blood sample ,give antibiotics and then LP. b. Start ABO, then blood sample and LP 32-boutilinium toxin: dilated pupils	 a. receptive aphasia b. expressive aphasia c. global aphasia 38-Injury to which nerve will result in hand muscle wasting sparing the thenar muscles: ulnar nerve 				
fever and has been taking antibiotics at home for the last 2 weeks): a. blood sample ,give antibiotics and then LP. b. Start ABO, then blood sample and LP 32-boutilinium toxin: dilated pupils 33- Which of the following sentences is wrong regarding alpha waves:	 a. receptive aphasia b. expressive aphasia c. global aphasia 38-Injury to which nerve will result in hand muscle wasting sparing the thenar muscles: ulnar nerve 39-Wrong about essential tremor : 				

d. Decrease with movement	a- head trauma 1 year ago				
	b- epilepsy during illness(in the ER)				
40-which cause psudobulbar :MS	c- decreased consciousness during examination??				
41-another question about 3 Hz waves EEG:absence seizure of childhood	47- not a risk factor for pneumococcus meningitis:				
42- not a cause for subarachnoid	a.bronchiectasis				
hemorrhage:	b. old age				
a. microaneurysms of charcot bouchard					
b. Trauma	48- not associated with MS:				
	a- double vision				
43- signs of meningism, cyanosis, eyes roll up: viral encephalitis	b- complex partial seziure				
	c-electical like sensation on flexion the neck				
	d- urine incontenince				
44- not caused by lt vertebral artery infarction: rt face loss of sensation	e.unilateral leg parasthesia				
45- Which of the following does not cause horner syndrome:	49- pt 2 weeks ago epilepsy, All of the following test are related to diagnosis except:				
a- c6 neurofibroma***	a.CSF				
b- cervical cord syringio	b. Chest X-ray				
e- lung apex tumor	c. EEG				
46- Which of the following is not a contraindication for LP in a patient with acute bacterial meningiti:	50.all are present in TIA of vertebrobasilar territory except: amaurosis fugas				

Neurology 2011

1. All of the following drugs can be given in the management of status epilepticus except:

carbamazepine

2. All of the following can be caused by a lacunar infarct except:

Global aphasia

3. A lady came with a history of multiple unprovoked seizures two weeks ago, physical exam is normal, all of the following is appropriate diagnostic workup except:

Serum sodium

4. All can cause trigeminal neuralgia except:

Middle cerebral artery stroke

5. Wernicke's encephalopathy, parenteral treatment:

Thiamine

6. Anti-epileptic that causes renal stones:

topiramate

7. A right sided patient presented with Broca's aphasia. Going back through patient's history, he had experienced three episodes of transient visual loss in his left eye. The patient's condition is explained by:

Internal carotid artery stenosis

8. most common site of ulnar nerve injury:

elbow

- 9. not a prophylactic drug for migraine:
 - a. topiramate
 - b. (...)-triptan**
 - c. Propranolol
 - d. Valproate
- 10. increase the risk for M5:

Vitamin D

11. b12 deficiency is associated with all the following except :

spinocerebellar disease

12. most common cause of myopathy in age more than 50:

cervical spondylosis

13. associated with MS except:

homonymous hemianopia

14. the duration of the aura of migrain is:

5-60 mins

15. which statement is wrong about the posterior column:

it is responsible for transmitting temperature

16. a nerve injury that spares the thenar muscles:

ulnar radiculopathy

17. recurrent vertigo with hear loss, tinnitus:

Ménière's disease

18. which doesn't cause aseptic meningitis:

pneumococcal meningitis

19. which distinguishes L5 injury from common peroneal injury:

foot inversion

20. which one of the following is associated with skin rash

meningococcal meningitis

21. surgical treatment is successful in 60-80%:

temporal epilepsy with...

22. stimulation of which nerve may benefit epileptic patients:

vagus nerve

23. used in the treatment of Parkinson except:

dopamine receptor antagonists

24. right upper homonymous quadrantanopia, the lesion is in :

left temporal

- 25. patient with fluctuating cognition with nocturnal confusion and visual hallucinations:
 - a. Lewy bodies dementia
 - b. Pseudodementia
 - c. Huntington's
- 26. a young female with a witnessed seizure and a history of throwing out her breakfast:

juvenile myoclonic epilepsy

27. a child who suddenly stares blankly into space o there was an EEG abnormalities of 3Hz waves.. the treatment of choice is :

sodium valproate

28. wrong about sodium valproate:

is the drug of choice in pregnant women

29. which of the following doesn't cause 3rd nerve palsy:

Anterior communicating artery aneurysm

30. How to differentiate parkinsons:

asymmetrical

31. not a function of the frontal lobe:

calculation

32. all are associated with flaccid paralysis except:

Brown-Sequard syndrome

- 33. not associated with bilateral papilledema
 - hypervitaminosis A
 - 2. protein C deficiency
 - 3. tetracycline
 - 4. hypo/hyperparathyroidism
 - 5. Hypocapnia**
- 34. case of cluster headache
- 35. Risk factors for hemorrhage except:
 - a. hypercholestrolemia **
 - b. alcohol
- 36. not a risk factor of Alzheimer
 - a. age
 - b. poor education **
 - c. male gender**
- 37. case of broca's
- 38. numbness in right face, left body, with Rt. side horner ,dysmetria and dysarthria

right anterior inferior cerebellar artery

- 39. not a cause of coma:
 - a. pseudotumor cerebri (aka= benign intracranial hypertension)
- 40. polymyositis, one of the following is associated with it:
 - a. knuckle rash
 - b. dysphagia**
- 41. a case pf spastic paraparesis .. which one doesn't match with the diagnosis of M5:

fasciculation

42. increasing weakness during day, strong in the morning, ptosis in one eye and occasional diplopia

Myasthenia gravis

43. temporal arthritis, wrong:

female at child bearing age

- 44. Myesthenia Gravis, most specific test:
 - a. Tensilon
 - b. acetylcholine receptor antibody test**
- 45. wrong about essential tremor:
 - a. present at rest**
 - b. could be relieved by alcohol
- 46. focal dystonia:
 - a. botulinum toxin
- 47. wrong about Alzheimer:
 - a. acetylcholine antagonist to improve memory
- 48. Delirium Vs Dementia: we give rivastigmine to treat memory loss
- 49. wrong about MS: between 40-50
- 50. treatment of acute cluster headache: 100% oxygen

Collected together by the students of 4^{th} year 2010-2011 Re-organized by: Hamza Jassar (sorry for the mess anyway =D)

NEUROMEDICEN

2	M	n	'ĮΊ	\ D	M	Π	71
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1)	Romberg's sign is +ve in all except: a) ALS b)cerebellar disease c)lesion in the brainstem d)sensory ataxia
2)A	A young man with sudden onset of sever headache, photophobia, and stiff neck after exercise. no obvious neurological deficits. the most likely d _x is: a) thromboembolic stroke b)ruptured berry aneurysm c)psychogenic headache d)temporal arteritis e)migraine
3)	58 y old female is brought to u for neurological evaluation . she speaks in only short poorly articulated phrases although she understands all the examiner's verbal instructions . her handwriting is messy and she can't repeat any spoken words . she also has a mild Rt hemiparesis . the most likely d_x is: a)wernick's aphasia b) Broca's area c)transcortical sensory aphasia d)transcortical motor aphasia e)Global aphasia
flu hyp	6 y old child, with frequent epileptic spells consisting of a blank stare and eyelid ttering, an EEG shows frequent 3Hz spike-wave discharges activated by perventilation, the 1 st drug of choice for ttt of her epilepsy is: a) carbamazipine b) phenytoin c) primidone d) Phenobarbital e) valproic d
a)	Temporal arteritis is characterized by all the following except:) polymyalgia rheumatica b)visual disturbance c)granulomatous inflammation) response to corticesteroids e)high incidence of obese women of childbearing age
	Emergency ttt of wernicke's encephalopathy should consist of administration of: a)thiamine b) niacin c)pyridoxine d)vit B12 e)phenytoin
,pi be	20 y old female is brought to ER in coma with finding of slow shallow breathing npoint pupil, bradycardia, and hypothermia the most appropriate emergency ttt would administration of: a) thiamine b) clonidine c) diazepam d)naloxone e)100% O ₂
8)t	the infectious agent of Creutzfeldt-Jakob disease is a: a)virus b)bacteria c) fungus d)prion e)protozoa
ter t	the Brown-Sequard syndrome is characterized by: a)ipsilateral spasticity and proprioceptive loss and contralateral loss of pain and imperature sensation b)greater weakness in arms than in legs, patchy sensory loss, and urinary retention. b)bilateral spasticity and loss of pain and temperature sensation with preservation of opprioception.

6th year medicine exam 5/5/2009 PSYCHIATRY

- 1. What do we use selective 5HT blockers for... major depression
- 2. Which one is an SSN... fluoxetine
- 3. Major depression pateints >> most commen presentation is ... somatic symptoms.
- 4. Characteristic of schizophrenia... auditory hallucinations

MEUROLOGY

- Patient has absent adduction and nystagmus on abducting eye bilaterally... bilateral MLF damage
- 2. Prostate cancer and bone mets, presents with bilateral leg weakness, brisk reflexes, upper plantar, where is the lesion... thoracic compression (NOT cauda equina syndrome)
- 3. UL and LL weakness and fasiculations and brisk reflexes with upper plantar(mixed UMNL & LMNL pure motor complaints)... Amyotrophic lateral sclerosis
- 4. Right hemiparesis and difficulty in speech, investigation of choice... non contrast CT
- 5. 69 y/o with 2 weeks headache not relieved by analgesics, do all the following except... **EEG (we do CT, MRI, ESR, intraocular pressure)**
- 6. Acute back pain and absent plantar flexion and loss of sensation on sole and lateral border of foot, with intact dorsiflexion >> root affected is ... **S1**
- 7. Classic meningitis presentation (headache, neck rigidity, fever), 1st step to be done ... IV dexamethasone + IV vancomycin + IV ceftriaxone (NOT lumbar puncture)
- 8. the most effective scodery prevention for stroke
 - endarterectomy in an 80% stenosd carotid
 - ASA in a patient with thrombotic stroke

 - Warfarin in a pt with AFib

Most propaply

هذه اسئله قديمه معظمها خارج المنهج المخطط هوه الى داخل

1995 1)angle of jaw sensation is mediated via: a)maxillary branch of trigeminal n. b)mandibular c)ophthalmic d)C2 2)medial aspect ofleg sensation: a)sural b)posterior tibial c)femoral d)common peroneal e)superficial peroneal 3) area corresponding to recent memory: a)hippocampus b)amygdaloid nucleus c)mamillary body 4) area responding to chorea is: a)caudate b)substantia negra c)red nucleus 5)the tract of anti gravity muscle in human: a)rubrospinal b)vestibulospinal c)corticospinal d)reticulospinal 6) area corresponding to constructional apraxia is: a) dominant parietal b)dominant temporal c)non-dominant parietal d)non-dominant temporal 7)a tract not connected with cerebellum: a)basal ganglia b)vestibular c)corticospinal d)deep position sense e)spinothalamic 8) one is mismatch: a)supinator C5\C6 c)biceps C5\C6 b)knee L1\L2 d)triceps C7 e)ankle S1\S2 9) one is not found in Alzheimer disease: a)cortical atrophy b)neuro fibrillary tangle c)lewy bodies 10)a patient has difficulty in walking, dementia, urine incontince. d_x is: a)normal pressure hydrocephalus 11) fasciculation in the tongue is seen in: a)Gullian Berre b)motor neuron disease c)subdural hematoma 12) one is wrong in multiple sclerosis: a)babinski +ve b)absent jaw reflex c)ophthalmoplegia d)optic neuritis 13)one doesn't cause chorea: a)SLE b)phenothiazine c)dopa i cheumatic fever 14)in U.M.N.L one is false: a) weakness of abduction and external rotation of upper limb

d)bilateral flaccid paralysis, anesthesia, areflexia, and bladder and sphincter dysfunction.

e)bilateral loss of proprioception.

10)a 55 y old moderately obese woman complains of burning paresthesias and loss of sensation on her lateral thigh. the most likely d_x is:

a)Meralgia paresthetica b) Trigeminal neuralgia c)Wallenberg syndrome d)Bell's palsy e)Lambert-Eaton syndrome

11)Foot drop would be expected with:

a)femoral n palsy b)peroneal n palsy c)Erb-Duchenne palsy d)Klumpke e)Meralgia paresthetica palsy

12) the disorder associated with dystrophin deficiency is:

a)Myotonic dystrophy b)Polymyositis c)Myasthenia gravis d)Duchenne dystrophy e)type 2 muscle fiber atrophy

13) a 30 y old man complaining of recurrent sudden attack of vertigo associated with tinnitus. audiometry indicates progressive high tone hearing loss. The most likely dx is:

a)Meniere's disease

b)Benign positional vertigo c)vestibular neuronitis d)motion sickness e)basilar artery migraine

. 14)a 38 y old woman has recently noted galactorrhea and amenorrhea . neurologic exam is normal except for bitemporal hemianopsia. The most likely dx is:

a)colloid cyst of 3rd ventricle b) pituitary adenoma c) pineal dysgerminoma d)pituitary apoplexy e) trilateral retinoblastoma

15) the tremor characteristically associated with parkinson's syndrome is:

a) Myoclonus b)resting tremor d)intention tremor d)action tremor

e) benign essential tremor

16) an organism acquired in the birth canal that frequently causes meningitis in neonates

a) Neisseria meningitides b)Listeria monocytogenes c)staphylococcus aureus

d) Haemophilus influenzae e) Staphylococcus epidermidis

l) u	2) b	3) b	4) c	<u>5)</u> €
6) 1		8) d	9) a	$10\rangle_{a}$
11116	12) d	[2:2	14) b	15) b
(6) b				

مُعَظِّمُ الأسبِئله خارج المنهج ... الاجوبه المخططه هيه الي داخله

b)absent abdominal reflex c)excitatory muscle on EMG d)hypotonia due to loss of inhibition of corticovestibulospinal
15)one is not a feature of carotid territory infarction: a)heimanopia b)hemisnsory loss c)hemiparesis d)amurasis fugax e)curtain like loss of vision
16) a patient came with a history of weakness that disappeared after two days he has:a)TIA b)stroke c)reversible ischemic neurological deficit
17)one doesn't happen in transcortical aphasia: a)speech is spare b)neologism c)echolalia d)bradylalia e)affect comprehension
18)patient with history of fever, arthralgia, proximal muscle weakness, and macular rash, he has: a)thyrotoxicosis b)dystrophy c)polymyositis
19)soldier of 20 y old presented with history of fever, headache, convulsions, and +ve keming's, he has: a)meningococcal meningitis b)staph aureus meningitis c)viral meningitis d)TB meningitis
20)one is wrong about meningitis (bacterial): a)CSF WBC>3000 b) papilledema may occur c)kerning's and brodneski +ve after few hours d)peticheal rash mostly due to pneumococcus
21)Rt amurosis fugax due to: a)Rt internal carotid b)Lt internal carotid c)Lt basilar
22) ttt of choice for primary generalized seizure: a)phenytoin b)primidone c)carbamazapine d)valproate
23) ttt to arrest ongoing seizures: a) [V] diazepam b) [V] phenytoin c) primidone
Note: and the precomes in acute phase of serzures in start giving IV that epains in serzure don't stop then give IV phenyloin
24) one is false about myasthenia garvis: a)thymic abnormality in20-30% b)difficulty in respiration due to cardiac involvment c)extra ocular palsy d)fatigability is most important feature e)presence of Ach receptor antibody 90% of the cases in which it's the only case to be found in

25)a pt with U.M.N.L affecting his face with ipsilteral equal upper and lower limb involvement, lesion in:

a)cortex

b)medulla

c)midbrain

d)capsular

e)pons

26) one is not found in parkinsonism:

a)difficulty in initiate motion

b)increase sweating and shiny skin

c)tremor decrease by movement and increase by rest

d)mild global weakness on affected side

27) diplopia on going down stairs due to palsy of:

a)optic n. b)occulomotor

c)trochlear

d)abducens

28) one is false about argyl roberston pupil:

a)may be caused by syphilis

b)no accommodation

29) one is not part of Horner's:

a)ptosis

b)decrease sweating c)enophthalmus

d)miosis

e) no convergence

30)one doesn't cause seizure :

a)hyponatremia

b)hypematremia

c)hypermagnesemia

d)hypomagnesemia

l)d	2)b	3)a	4)a	5)b	6)c	7)e	8)c	9)c	10)a
11)b	12)b	13)c	14)c	15)e	16)c	17)b	18)c	19)a	20)d
			24)b						

1993

1)all will cause central scotoma except: suprasellar tumors

- 2) a statement about epilepsy is correct: valproic acid is effective against juvenile Myoclonic seizures
- 3) all about epilepsy are correct except:

most of generalized convulsions are preceded by an aura

4)all about partial complex seizures are correct except:

on EEG it's characterized by 3 waves

5)a pt has a sudden onset of Lt hemiparesis, with eyes deviated to the Rt side but with no aphasia, the most common probable site of the lesion is:

the Rt middle cerebral artery

6)the most common infarction is associated with:

long standing chronic HTN

7)the most common secondary tumor to brain comes from:

the lung.

8)a 65 y old female pt comes with a history of sudden onset of headache on her Rt side of the face, associated with local tenderness on the Rt temporal area. the first investigation to be done is: ESR

9)polymyalgia rheumatica is associated with

temporal arteritis

10)a 25 y old male pt, has a sudden onset of paraplegia, loss of pain and temperature. However, position sense and vibratio are preserved. lesion is:

occlusion of the anterior spinal artey

11)a 25 y old female pt with a clinical picture of MS. the investigation that you don't need is:

Acetyl-choline receptor antibody assay

12)+ve romberg's test is expected in all except:

motor neuron disease

13)a58 y old male pt, has a recent history of progressive tetraplegia, dysphagia. hyperreflexia, fassiculation. dx is:

motor neuron disease

14) all about parkinsonism is correct except:

upgoing planter reflex

15)all are risk factors for pneumococcalmeningitis except:

crowding

16) each disease has it's correct mode of inheritance except:

Leber's heridetary optic neuropathy (autosomal dominant)

17)a 14 y old female has a history of sore throat followed by a clumsy, involuntary movments of the limbs. Most probable d_x is:

Sedenham's chorea

18)all will cause muscle atrophy of the hand except:

19) the most common cause of primary brain atrophy is

Alzaeimer disease_ ([

20) one of the following is present in classical migrainebut not in common migraine: fortification spectra

21) all are correct about Broca's aphasia except;

fluent speech

ophthalmoplegia + Confusion + a Jaxia - Hypotharma 22) a symptom that occur in wernicke's encephalopathy is:

23) all will cause drop foot except:

allesion of superficial peroneal nerve

24) all are correct about median n entrapment except: affection of adductor polices (line n.).

25) all may cause bilateral facial weakness except :

hemangioblastoma _

26) the most important tract for antigravity muscle is: vestibulospinal -

27) the ttt of choice for neipatic encephalitis is: acyclovir

28) dressing apraxia is caused by a lesion to: non-dominant parietal lobe 29) the risk of rapid injection of phenytoin is respiratory arrest 30) claw hand occurs with: ulnar n injury 31) what is a known complication of hypoparathyrodisim? Benign intracranial HTN 32)all cause mononeuritis multiplex except: b)alcohol c)DM d)wegner granulomatosis e)sarcoidosis 33) the most common myelopathy in pt <40y is due to: 34)the most common myelopathy in pt>40y is due to: cervical spondylosis \checkmark 35)the ttt of choice for juvenile myoclonic seizures is : valproic acid 36) the ttt of choice for temporal lobe epilepsy is: cervical spondylosis 37)in carotid artery disease, which of the following symptoms is expected:

c)dysphagia

d)amaurosis fugax

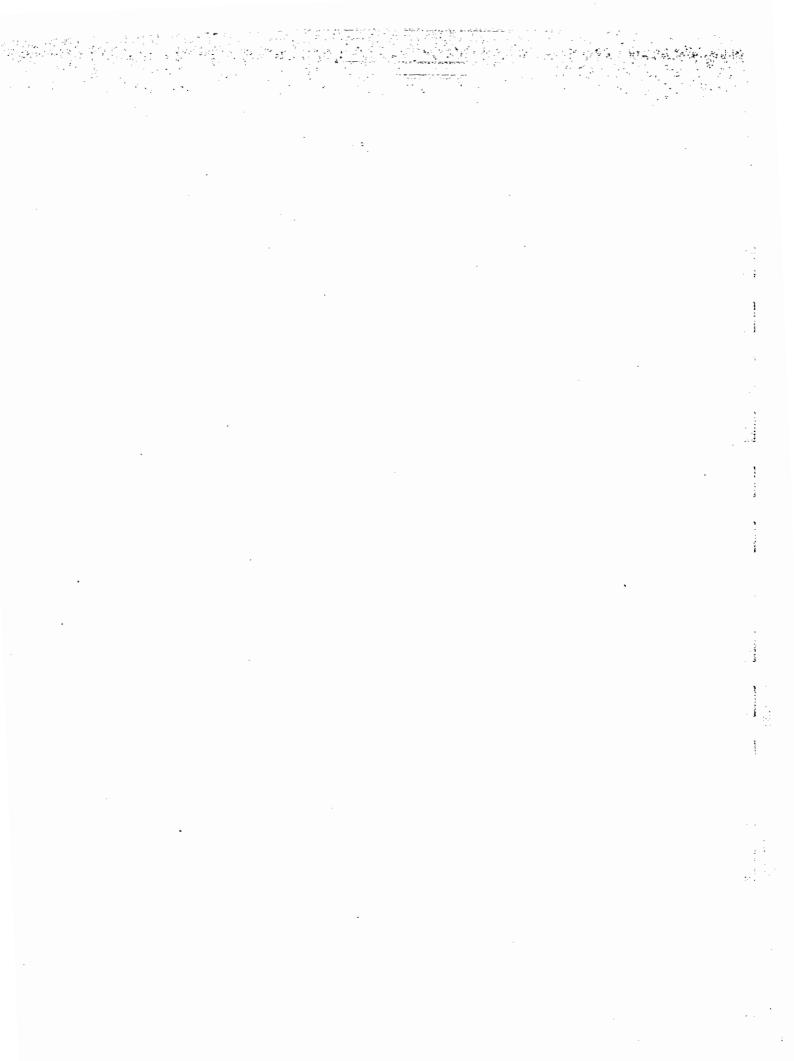
a)ataxia

b)vertigo

O67: What lesion causes pure motor stroke? a- Caudate b-Putamine (3) Int. capsule d- Amygdala e- Hippocampus ,Q68: Which doesn't cause thenar eminence wasting? b-Thoracic outlet synd (c) Ant, Interosseous n. injury d- Carpal tunnel synd Q69: Which is wrong about Lambert Eaton synd? Associated with thymonia b-Relieved by exercise. c- There's block in Ach secretion d- There's defect in £a+2 influx in presynaptic terminal e- There's minimal ocular muscle affection Q70: What is true about amyotrophic lat. sclerosis? a- Often there's dysphagia and dysarthria b-EMG shows | action potential Q71: Which isn't a common feature of MS? (a) Pain b- Parasthesia c- Visual disturbances d- Tremors and ataxia e- Seizures Q72: Which isn't a typical feature of Guillian-Barre synd? a- Asymmetrical sx (b) Steroids have proven benefit in tit c- CSF WBC <10 Q73: All can cause death from status epilepticus except: (a) Dehydration b- Renal failure c- Cardiac arrhythmia d- Pneumonia and sepsis Q74: All can cause lacunar stroke except: (I don't remember the rest of choices) a- Basilar art thrombosis Q75: All are true about acathesia except: b- May lead to suicide c- Relieved by sleep d- Dose dependent a- Pt is restless Q76: All can cause seizures except: a- Cryptococcal meningitis b- MS

d- Pilcumococcal meningitis

e- Subarachnoid hemorrhage



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visual hallucinations. The most likely type of epilepsy is:

- A. Lennox-Gastaut syndrome
- B. Petit mal epilepsy
- C. Benign centrotemporal epilepsy
- (comporat intereptionsy)
- L. Focal motor scizures
- 19. The second grade teacher of a 8 year old girl has sent notes home to the parents indicating that the child seems to be daydreaming a lot. The teacher has noted that the child has momentary lapses in which she is unresponsive and occasionally has some cyclid fluttering. The child's physician has indicated that the problem is a form of epilepsy. The most likely diagnosis is:
 - A. Myoclonic scizure
 - Astatic scizure
 - D. Interietal scizure
 - 13. Simple partial seizure
- 20. A 6 year old child has frequent epileptic spells consisting of a blank stare and eyelid fluttering. An EEG shows frequent 3 Hz spike-wave discharges activitied by hyperventilation. The first drug of choice for treatment of this child's epilepsy would
 - A. Carbamazepine (Tegretoi)
 - B. Phenytoin (Dilantin)
 - C. Phonobarbital
 - D. Primidone (Mysoline)
 - E) Ethosuximide (Zarontin)
- 21. Childhood, colle, motion sickness, or consodie abdominal pain often precede which later disorder: Milliamet

 - B. Meniere's disease
 - C. Temporal arteritis
 - D. Trigeminal neuralgia /
 - E. Escudotumor cerebri
- 22. A 45 year old man has headaches that are usually associated with a partial Horner's syndrome. The most likely diagnosis:
 - A. Tensien headache
 - B. Cluster headache
 - C. Trigeminal neuralgia

- D. Post-lumbar puncture headache
- E. Pseudotumor cerebri
- 23. A 55 year old man complains of frequent episode brief paroxysmal lancinating face pain. The pain be triggered by simply touching the skin adjacen his right nostril. The most likely diagnosis is:
 - A. Meralgia paresthetica
 - IX Triggininal neuralgia C. Wallenberg syndrome
 - D. Bell's palsy
 - E. Lambert-Eaton syndrome
- 24. Which disorder is most often associated wi papilledema:
 - A. Tension headache
 - B. Cluster headache
 - C. Trigeminal neuralgia
 - D. Post-lumbar puncture-headache
 - Pscudotumor cerebri,
- 25. [Comporal arteritis is characterized by all the following EXCEPT:
 - A. Polymyalgia rheumatica
 - B. Visual disturbances
 - C. Granulomatous inflammation
 - D. Response to corticosteroids
 - E) High incidence in obese women of childbearing
- A Dycar old man presents to his physician with complaints of increasing headache and letharry, Examination reyeals crythematous, hyperkeralotic hands and feet along with white bands in his Tingernalls. The likely diagnosis is:
 - A. Mercury poisoning
 - B. Ethylene glycol poisoning
 - C. Thiamine deficiency
 - D. Uremia
 - L) Arsenic poisoning

A college student persents to the hospital with relatively acute onset of fever, severe abdominal pain, confusion, and evidence of a rapidly progressive peripiteral and cranial neuropathy, several hours after a wild party at a local bar celebrating his twenty-first birthday. Cerebrospinal,

Cluste- head

Auld glucose and protein levels are normal. The most likely diagnosis is: 4

A) Nurphyria)

- B. Wernicke-Korsakoff psychosis
- C. Alcohol withdrawal syndrome
- D. Guillain-Barcé syndrome
- E. Methanol poisoning :
- 4 year old child living in a poor neighborhood presents to the hospital with irritability, lethargy, and ataxia. Mother states that for the past several months, the child has been chronically constipated and complained of abdominal pain. Laboratory studies reveal anemia and basophilic stippling of red s blood cells. The most likely diagnosis is:
 - A. Methanol poisoning
 - B. Cocaine poisoning
 - C) Lead poisoning b'
 - D. Mercury poisoning
 - E. Vitamin A overdose
- 29. An infant born at home without medical care has ABO; (blood group) incompatability and develops severe hyperbilirubinemia during the neonatal period. Expected neurologic sequelae would be:

& Kernicterus

- B. Hepatic encephalopathy
- C. Porphyria
- D. Wilson's disease
- E. Wernicke's encephalopathy
- 30. A 48 year old chronic alcoholic man is admitted to - the hospital for treatment of a severe scalp laceration. On the first hospital day the nurses-noted his tremulousness, and on the second hospital day he , has 3 brief generalized convulsions. The most likely diagnosis is:
 - A. Petit mal epilepsy
 - B. Temporal lobe epilepsy
 - G. Wicolol withdrawal sciences
 - D. Alcohol-induced hypoglycemic scizures.
 - E. Seizures resulting from cortical contusion
 - 1. After 72 hours of alcohol abstinence, confusion, agitation, tremor, autonomic nervous system hyperactivity, and halfucinations become apparent in a 45 year old known chronic alcoholic man. The most likely diagnosis is:

- A. Wernicke's encephalopathy
- B. Korsakoff's psychosis
- C. Chronic auditory hallucinosis:
- D. Delirium tremens
- E. Chronic subdural hematoma
- 32. A 53 year old woman with a long history of binge alcohol abuse presents to the emergency department with confusion, ataxia, and external ophthalmoplegia consistent with Wernicke's encephalopathy. Emergency treatment should consist administration of parenteral:

· 3996

1290 Hz

N.) Thiamine

- B. Niacin
- C. Pyridoxine
- D. Vitamin B₁₂
- E. Phenytoin
- A lethargic 35 year old skid row-alcoholic man is brought to the emergency room by ambulance in coma following several seizures. Laboratory studies indicate severe acidosis, elevated blood urea nitrogen (BUN) level, and cerebrospinal fluid pleocytosis (100 lymphocytes/ per cubic millimeter). Urinalysis shows numerous oxalate crystals. The most likely diagnosis is: 1 mery
 - A. Diabetic ketoacidosis.
 - B. Subdural hematoma in the distingue,
 - C Enlylenc glycol poisoning 1249
 - D. Pneumococcal meningitis
 - E. Wood aicohol poisoning
- 34. A 20 year old woman is brought to the emergency room in coma with findings of slow shallow breathing, pinpoint pupils bradycardia, hypothermia. The most appropriate emergency treatment would be administration of:
 - A. Thiamine
 - B. Clonidine (Catapres)
 - C. Diazepam (Valium)
 - Naloxone (Narcan)
 - E. 100% oxygen
- 35. A difficult 9 year old girl with cystic fibrosis often does not follow prescribed medical treatment. The mother is aware of frequent diarrhea. Over the past 18 months, the child has developed a progressive peripheral neuropathy and ataxia that mimics

TEGO VAGO

adde of the optic chiasm. The visual field ding associated with such a lesion would be:

Hemianopsia

Ditemporal hemianopsia

- . Homonymous quadrantanopsia
- . Unilateral blindness
- . Dinasal hemianopsia

60 year old man has a past history of a transient chemic attack. Such a transient ischemic attack ould have been characterized by:

- .) Rapidly developing neurologic deficit
- Persistence for more than 24 hours
- 1. Pale (bland or white) infarction
-). Lipohyalinosis of small penetrating arteries
- .. Severe headache, photophobia, and stiff neck
- v 55 year old man with known atherosclerotic ardiovascular disease has a stroke that produces the locked-in syndrome. What of the following is the nost likely ctiology:
- 1. Middle cerebral artery stroke syndrome
- 3. Anterior cerebral artery stroke syndrome
- 2. Posterior cerebral artery stroke syndrome
- D. Wallenberg syndrome
- Basilar artery occlusion;

A 42 year old physician has sudden onset of severe headache, photophobia, and stiff neck after just scoring a double bogey on the 15th hole of a charity golf tournament. His golfing partner, a posmiatrist, notes no obvious neurologic delicit. The most likely diagnosis is:

- A. Thromboembolic stroke
- BD Ruptured berry ancurysin
- C. Temporal arteritis
- D. Psychogenic headache
- E. Migra ... headache

A 48 year old man collapses from a cardiac arrest while walking through the local shopping mall. After about 12 minutes the emergency medical team is able to obtain a stable pulse and blood pressure. Three weeks later, in the hospital, he remains complese, but breather without assistance and has occasional reflex limb movements when stimulated. The most likely explanation for his neurologic condition is:

iamella-Y.CC17555 A. Middle cerebral artery stroke syndrome iamilla

D Laminar cortical accross

- C. Wallenberg syndrome
- D. Lacumar stroke
- E. Global aphasia
- 15. Two years following her left hemisphere stroke, a 58 year old woman is brought to the clinic by her neurologic evaluation. During the examination, the woman speaks in only short poorlyarticulated phrases although she understands all the examiner's verbal instructions. Her handwriting is: messy and she cannot repeat any spoken words. She also has a mild right homiparesis. The most likely diagnosis is:

A. Schizophrenia

H Broca's aphasia

C. Malingering

D. Wernicke's aphasia + Understanding

- E. Wernicke-Korsakoff psychosis
- 16. A 25 year old man has had temporal lobe epilepsy for the past 9 years. He also has evidence behavioral problems associated with depression. Which of the following anticonvulsants would be most likely to control both his behavioral problems and the chilepsy:

A. Carbamazepine ((Tegretol))

- B. Phenytoin (Dilantia)
- C. Lamotrigine (Lamictal)
- D. Phenobarbital
- E. Ethosuximide (Zarontin)
- 17. A 6 month old infant has seizures with an EEG pattern of hyps: vthmia. The most likely epilepsy syndrome to explain this problem would be:

West syndrome (influtile spasms)

- B. Petit mal epilepsy
- C. Benign centrotemporal epilepsy
- D. Benign (simple) febrile seizures
- E. Temporal lobe epilepsy
- 18. A 30 year old woman has a history of epilepsy for about the past /12\ years. She only rarely has a generalized convutsion. More often she has periods in which she becomes confused. She also has frequent complaint of auras consisting of dejà viu, epigastric sensations, and occasional unpleasant

175

Normal retinal variations, visible with the ophthalmoscope include which of the following:

- A. Flame hemorrhages
- il. Cotton wool spots it
- C. Optic nerve drusen
- D. Papilitis
- E. Papilledenia

During the examination of a 44 year old avoman with a facial asymmetry, touching the cornea of either eye results in blink in only the fright eye. although the patient indicates feeling the touch in both eyes. The most likely lesion is:

- 1. Left abducens nerve palsy
- t. Right trochlear nerve palsy
 - Left trigeminal nerve pals,
- Left facial nerve palsy
- Right oculomotor nerve palsy

he Dahinski rollek is:

- a) Deraillexian of the big too and fanning of the other toes following plantar stimulation
- Puckering of the lips in response to gentle tapping of the upper lip
 - Brief visible muscle twitches following needle inscrtion
 - Sudden flexion of the hyperextended wrist (Napping motion)
 - Falling from a standing position following eye closure

4 year old woman presents after awakening in morning with slight headache, a generalized saiof fatigue, and visual loss. Examination reacts only a minimal light perception. Funduscopic is normal. The most likely diagnosis is:

`apillitis apilledema etrobulbar neurit(s adroff phenomenou hermitte's symptom 5. Normal corobrospinal fluid values are:

- A. Opening pressure > 200 num of water
- II. Glucose level less than 40 mg/dL
- Of Up to five lymphocytes per cubic millimeter 5
 - D. Protein level greater thank 65 mg/Al.
 - E. Oligoclonal bands
- 6. The triad, of miosis, /ptosis, and l anhidrosis. characterizes:
 - A. Partial oculomotor nerve palsy
 - B. Trochlear nerve palsy
 - C. Internuclear ophthalmoplegia
 - D. Argyll Robertson pupil
 - E) Horner 5 syndrous
- 7. The (Romberg test is useful in evaluation of:
 - A. Auditory acuity
 - B. Pupillary reflexes
 - Loss of proprioception
 - D. Chorcoatlictosis
 - E. Muscle strength
- 8. Signs of right hypoglossal nerve palsy include:
 - A. Paralysis of head turning to right side
 - D) Tongue deviation to (ight side
 - C. Nystagmus with slow component to left side
 - D. Right side anhidresis, miosis, and prosis
 - E. Jaw deviation to left side
- 9. Optic atrophy is characterized by:
 - A. Normal visual acuity
- BYPale sharply marginated ontic disk tede
 - C. Blurring of optic disk margins Stracety "

 - D. Small refractile berlies elevating optic nerve
 - E. Venous enlargement
- 10. A 45 year old man presents with a history of galactorrhea and loss of libido. At another clinic he had an MRI study of the brain that showed a large, phultary adenoma which had extended upward through the diaplicagma sellae and was impinging on

SESSMENT EXAMINATION

spinocerebellar degeneration. There is no family history of neurologic disease. The most likely explanation is:

ن Hypervitaminosis A

- Vitamin E deficiency C. Thiamine deficiency
- D. Vitamin K deliciency
- E. Hypervitaminosis D
- 36. An elderly man has had recent onset of symptoms consisting of unsteady gait, dementia, and urinary incontineuer Pollowing a lumbar puncture, these symptoms improve. The most likely diagnosis is:
 - A. Depressive pseudodementia
 - B. Alzheimer's disease
 - C. Normal pressure hydrocephalu
 - D. Lacunar state
 - E. Binswanger's disease
- 37. A 40 year old woman will Down syndrome has recently lost many of her usual abilities of self-care and language. Histopathologic examination of her brain would most likely show characteristics of:
 - Alzhemier's disease
 - H. Pick's disease
 - C. Cresizleksi-kikob disease 4
 - D. Wilson's disease
 - E. Parkinson's disease
- 38. An 18 year old boy has developed progressive areflexia, spasticity, pes cavus deformity, and cardiomyopathy during the previous four years. This most likely diagnosis is:
 - A Friedreich's ataxia
 - B. Progressive multifecal leukoencephalopathy
 - C. Creutzfeldt-Jakob disease
 - D. Ataxia-telangicetasia
 - E. Wilson's disease
- 39. The infectious agent of Creutzfeldt-Jakob disease is identified as a
 - A. Pick body
 - B. Lewy body
 - C. Negri body As
 - D. Neurilic plaque
 - Prion

40. A 48 year old woman presents with ma progressive dementia, ataxia "and myoclomus. most likely diagnosis is:

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(50.05)

- A: Alzheimer's disease
- Pick's disease
- Creuzfeldt-Lakob dis
- D. Wilson's disease
- E. Parkinson's disease
- 41. The 55 year old rotund head chef at a four restaurant has a history of heart disease that men coronary artery bypass surgery. One day whi work, he suddenly collapses. When the chierg medical team arrives, exam reveals 4 mm dian symmetric unreactive pupils. (midposition reactive pupils). The most likely site for the I lesion producing this clinical pictuit is:
 - A. Right frontal lobe 🚟 🕺
 - D. Bilateral occipital poles
 - C. Medulla
 - D. Pons
 - E. Midbrain
- 42. Λ (52) year old man with a history of the hypertension presents to the emergency departs with sudden onset of vomiting, dizziness, ataxia, ing weakness. His blood pressure is/240/110 and pulse is 55 beats per minute. In the few min following his initial presentation to the emerge department, he becomes compatuse,/develops at breathing, ai d then dics. #Ilis *clin symptomatology is most readily explainable as result of:
 - A. Transtentorial uncal herniation
 - B. Central rostral-caudal herniation
 - C. Subfalcial herniation
 - Di Cerebellar tonsillar herniation
- 43. Following resuscitation for a cardiac arrest, a year old man displays no responsiveness to stime occasional spontaneous eye opening, and lan E pattern consistent with a nearly normal sleep-w cycle. This patient would be considered to have:
 - A. Coma
 - B. Locked-in syndrome
 - C) Persistent vegetative states
 - D. Delirium
 - E. Normal state of consciousness



- A 50 year old pedestrian struck by an automobile has progressive signs consisting of initial pupillary dilation followed by loss of extraocular movements, contralateral hemiparesis, coma, and medullary dysfunction. The most likely explanation is:
- A) Transfenterful uncal herniation
- B. Central ro tral-caudal herniation
- C. Subfalcial berniation
- D. Cerebellar tonsillar herniation
- 45. Brain death requires all the following criteria to be met EXCEPT:
 - A. Established coma-causing cerebral lesion
- Aprica____

Absent spinal reflexes

- D. Absent brain stem reflexes
- E. Absence of taxins or metabolic abnormalities
- 46. A 24 year old woman was involved in an automobile accident, in which her car ran off a deserted mountain road and struck a tree. When she was discovered by a passerby some time later, the woman was alert but complaining of headache and had bruises on her forehead and face. By the time she arrives at a hospital emergency room (about an hour away), the personnel note she is lethargic but arousellth, and has no whytoes neurologic delicits on examination. Over the next hour she becomes progressively less arousable, her left pupil appears targer than her right pupil, and her right arm and leg seem weak. What is the most likely diagnosis?
 - A. Chronic subdural hematoma
 - B. Carotid-cavernous fistula
 - Co Epidural hematoma
 - D. Cerebral concussion
 - 🔖 E. Dissusc axonal injury
- 47. A 12 year old boy is brought to the emergency room by his mother after a fall from his bicycle in which he struck his head. He apparently was momentarily unconscious, but subsequently he seemed perfectly fine except for complaints of a slight headache. Examination reveals only a small bruise on his forchead and neurologic exam is normal. The most likely diagnosis is:
 - A. Chronic subdural hematoma
 - B. Carotid-cavernous fistula
 - C. Epidural hematoma

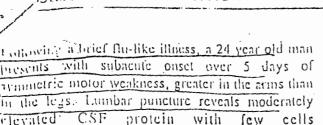
- D. Cerebral concussion
 E. Diffuse axonal injury
- 48. The Brown-Sequard syndrome is characterized by:

 (A.) Ipsilateral spasticity and proprioceptive loss and contralateral loss of pain and temperature sensation
 - B. Greater weakness in arms than in legs, patchy sensory loss, and urinary retention
 - C. Dilateral spasticity and loss vost phin and temperature sensation with preservation of proprioception
- D. Bilateral flaceid paralysis, anesthesia, areflexia, and bladder and sphineter dysfunction
 - E. Bilateral loss of proprioception
- her son because of recent onset of confusion. The son indicates that his mother had been complaining of headaches for several weeks, ever since she was "Toughed up" by hooligans trying to steal her purse. On examination, she appears drowsy, is unable to identify her surroundings, does not know the date or her son's name, and is weak on her left side. What is the most likely diagnosis?
 - A Chronic subdural hematoma chronic subd
 - . B. Carotid cavernous fishila
 - &C. Epidural hematoma 🛴
 - D. Cerebral concussion
 - E. Dissuss axonal injury
 - 50. The most important factor in post-traumatic epilepsy

charanic

Stilledural be net

- A: Lacunar infarcts
- (B) Orbital frontal plaque jaune
- C. Duret hemorrhages
- D. Arachuoidal fibrosis
- E. Ventricular dilation
- 51. A family presents to the neuromuscular a less with a three generation history of diatal muscle arrophy, pes cavus foot deformity, and sensory loss. The most likely diagnosis is:
 - A. Amyotrophic lateral sclerosis
 - B Charcot-Marie-Tooth disease
 - C. Gullain-Barré syndrome
 - ¿ D. Tardy ulnar palsy
 - E. Meralgia paresthetica



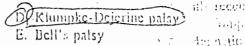
Calbuminocytologic dissociation). The most likely

W Guillain-Barre syndrome

II. Porphyria

diagnosis is:

- C. Vitamin B12 deficiency
- D. Alcoholic polyneuropathy
- E. Diabetic amyotrophy
- 53. A 24 year old woman complains of increasing 65 I weakness throughout the day, despite feeling strong Qupon awakening in the morning. In the evenings, she also notes drooping of one cyclid and occasional double vision. The most likely diagnosts is: .
 - A. Polymyositis
 - B. Duchenne dystrophy
 - C. Myotonic dystrophy
 - D. Malignant hyperthermia
 - E) Myasthenia gravis
 - 54.1 (55) year old moderately obese woman complains : Le of burning paresthesias and loss of sensation on her Rawral thigh. The most likely diagnosis is:
 - N Meralgia parestherica,
 - B. Trigentinal neuralgia "C. Wallenberg syndrome
 - , D. Bell's palsy
 - E. Lambert-Eaton syndrome
 - 55. A 14 year old previously health boy experiences a mild gastroenteritis followed by the rapid onset of flaccid weakness in the right arm and left leg. The most likely diagnosis is:
 - A. Toxoplasmosis
 - B. Tabes dorsalis
 - C. Mucormyensis .
 - D. Cysticercosis
 - Poliomychiis
 - 56. Horner's syndrome often accompanies which of the following conditions:
 - A. Charcot-Marie-Tooth disease
 - B. Meralgia paresthetica
 - C. Erb-Duchenne palsy



e yeals. 57. A frail 60 year old widow who lives alone and I no friends in the community presents to h physician with a complaint of feeling chronical fired. On exam, she is noted to have loss t posterior column sensation, a positive Romberg tes spasticity, and bilateral Babinski reflexes. The mos likely diagnosis is:

11.1-1.

- A. Guillain-Barré syndrome
- D. Porphyria
- CV Vitamin B12 deficiency
- D. Alcoholic polyneuropathy
- E. Diabetic amyotrophy.
- 58. Poot drop would be expected with:
 - A. Femoral nerve palsy
 - B) Peroneal nerve palsy
 - C. Erb-Duchenne palsy
 - D. Klumpke-Dejerine palsy
 - E. Meralgia paresthetica
- 59. A 55 year old woman with 70 pack-year history of smoking presents with complaints of generalized weakness. One month previously she had been diagnosed with small cell (oat cell) lung cancer. Repetitive nerve stimulation studies performed by the clinical neurophysiology laboratory reveal an incrementing response of the muscle action potentials. The most likely diagnosis is:
 - M Lambert-Eaton syndrome
 - B. Botulism
 - C. Malignant hyperthermia
 - D. Myotonic dystrophy
 - E. Myasthenia gravis
- 60. The disorder associated with dystrophin deficiency; 15:
 - A. Myotonic dystrophy
 - B. Polymyositis
 - C. Myasthenia gravis
 - Dicherne dystrophy
 - E. Type 2 muscle fiber atrophy
- 61. A 55 year old hypertensive man presents to the emergency department with the acute onset of severe vertigo, nausea, vomiting, nystagmus, and difficulty

swallowing. Exam shows a moderately severe gait ataxia, right arm dysmetric, loss of the corneal reliex on the right with reduced sensibility on the right side of the lace, a right blorner's syndrome, and dimmisted sensation to pinprick on the left arm, trunk, and leg. He has no demonstrable limb weakness. The most likely diagnosis in:

- A. Ménière's disease
- D. Wallenberg syndronic
- C. Acoustic neuroma.
- D. Basilar artery migraine
- E. Vestibular neuronitis
- 62. The illusion that stationary objects are moving back and forth is:
 - (A) Oscillopsia)
 - B. Dysequilibrium
 - C. Dizziness
 - D. Nystagmus
 - E. Vertigo
- 63. A 30 year old man complains of recurrent sudden altacks of vertigo associated with tinnitus.

 Audiometry indicates progressive high tone hearing loss. The most likely diagnosis is:
 - A. Michiese's disease mines

 B. Benign positional vertigo
 - C. Vestibular neuronitis
 - D. Motion sickness
 - E. Basilar artery migraine
- 64. Acute onset of vertigo and hystaginus associated with viral nasopharyngitis is characteristic of:
 - A. Ménière's disease
 - B. Benign positional vertigo
 - C) Vestibular neuronitis
 - D. Motion sickness
 - E. Basilar artery migraine
 - 5. The illusion of rotational measurement of self or the environment is termed:
 - A. Oscillopsia
 - . D. Dyscaullibrium
 - C. Dizziness
 - D. Nystagmus
 - E) Vertigo

- A 30 year old man presents with recent onset of ataxia, dizziness, and headache. Complete blood count indicates polycythemia. Magnetic resonance imaging (MRI) of the brain reveals a cystic carebellar tumor near the foramen magnum. Computed tomographic (CT) seams of the abdomen identify cysts of the kidney and pancreas. The most likely diagnosis for the brain tumor is:
 - A. Astrocytoma
 - B. Meningioma
 - C. Neurilemonia
 - D. Colloid cyst of third ventricle Hemangioblastoma
- 67. A 32 year old man with a fifteen year history of temporal lobe epilepsy has recently had an increasing number of seizures despite the addition of several new medications to his anticonvulsant regimen. CT scan and MRI indicate a partially calcified mass in the anterior temporal lobe. The most likely histologic finding on biopsy of this mass would be:
 - A. Glioblastoma multiforme
 - .B. Craniopharyngioma 🗲 🥳
 - C. Neurilemoma
 - (D): Oligodendroglioma
 - E. Mcdulloblastoma
- 68. Acoustic neuroma (neurilemonia or schwannoma)
 may be a part of what syndrome:
 - A. Neurolibromatosis
 - B. Cushing's disease
 - C. Von Hippel-Lindau syndrome
 - D. Acquired immunodeficiency syndrome (AIDS)
 - E. Alaxia-telanglectasia
- 69. Which of the following tumors is associated with homozygous deletion of a region on chromosome 13 (region 13q14):

Play is exhibited

្នាក់ នៅក្នុងប្រាស់

- A. Pincal choriocarcinoma gyers and organical
- B. Pituitary adenoma
- Retinoblastoma
- D. Meningioma
- E. Ependymoma,
- 70. A 38 year old woman has recently noted galactorrhea and amenorrhea. Neurologic examination

Secretary and the second

- sivallowing. Exam shows a moderately severe gait ataxia, right arm dysmetric, loss of the corneal reflex on the right with reduced sensibility on the right side of the face, a right liferact's syndrome, and diminished sensation to pinprick on the left arm, trunk, and leg. He has no demonstrable limb weakness. The most likely diagnosis in:
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ាក្រ តា ខ្លែកពីជំនួកចៃ

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- A. Pineal choriocarchioma gyres is to forgist
- B. Pituitary adenoma
- Retinoblasioma
 - D. Meningioma
- E. Ependymoma,
- 70. A 38 year old woman has recently noted galactorchea and amenorchea. Neurologic exam is



air, naic

tollowing a brief flu-like illness, a 24 year old man presents with subacute onset over 5 days of aymmetric motor weakness, greater in the arms than in the legs. Lumbar puncture reveals moderately revated CSF protein with few cells (albuminocytologic dissociation). The most likely diagnosis is:

D Guillain-Barré syndrome

- II. Porphyria
- C. Vitamin Biz deficiency
- D. Alcoholic polyneuropathy
- E. Diabetic amyotrophy
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 - A Meralgia parestherica.
 - B. Trigentinal neuralgia C. Wallenberg syndrome
 - , D. Bell's palsy
 - E. Lambert-Eaton syndrome
 - 55. A 14 year old previously health boy experiences a mild gastroenteritis followed by the rapid onset of flaccid weakness in the right arm and left leg. The most likely diagnosis is:
 - A. Toxoplasmosis
 - B. Tabes dorsalis
 - C. Mucormycosis.
 - D. Cysticercosis
 - 13 Poliomychis
 - 56. Horner's syndrome often accompanies which of the following conditions:
 - A. Charcot-Marie-Tooth disease
 - B. Meralgia paresthetica
 - C. Erb-Duchenne palsy

De Klumpke-Dejerine palsy
E. Dell's palsy

57. A frail 60 year old widow who lives alone and has no friends in the community presents to her physician with a complaint of feeling chronically tired. On exam, she is noted to have loss of posterior column sensation, a positive Romberg test, spasticity, and bilateral Babinski reflexes. The most

likely diagnosis is:

- A. Guillain-Barré syndrome
- B. Porphyria
- Vitamin B12 deficiency
- D. Alcoholic polyneuropathy
- E. Diabetic amyotrophy.
- 58. Foot drop would be expected with:
 - A. Femoral nerve palsy
 - B) Peroneal nerve palsy.

 C. Erb-Duchenne palsy.
 - D. Klumpke-Dejerine palsy
 - E. Meralgia paresthetica
- 59. A 55 year old woman with 70 pack-year history of smoking presents with complaints of generalized weakness. One month previously she had been diagnosed with small cell (oat cell) lung cancer. Repetitive nerve stimulation studies performed by the clinical neurophysiology laboratory reveal an incrementing response of the muscle action potentials. The most likely diagnosis is:

M Lambert-Eaton syndrome

- B. Botulism
- C. Malignant hyperthermia
- D. Myotonic dystrophy
- E. Myasthenia gravis
- 60. The disorder associated with dystrophin deficiency

is:

- A. Myotonic dystrophy
- B. Polymyositis
- C. Myasthenia gravis
- Duclienne dystrophy
 - E. Type 2 muscle fiber arrophy
- 61. A 57 year old hypertensive man presents to the emergency department with the acute onset of severe vertigo, nausea, vomiting, nystagmus, and difficulty

tollowing a brief flu-like illness, a 24 year old man presents with subacute onset over 5 days of armmetric motor weakness, greater in the arms than in the legs. Lumbar puncture reveals moderately rievated CSF protein with few cells followinecytologic dissociation). The most likely

(1) Guillain-Barré syndrome

II. Porphycia

diagnosis is:

- C. Vitamin Biz deficiency
- D. Alcoholic polyneuropathy
- E. Diabetic amyotrophy
- 53. A 24 year old woman complains of increasing weakness throughout the day, despite feeling strong upon awakening in the morning. In the evenings, she also notes drooping of one cyclid and occasional double vision. The most likely diagnosis is:
 - A. Polymyositis
 - B. Duchenne dystrophy
 - C. Myotonic dystrophy
 - D. Malignant hyperthermia
 - (E) Myasthenia gravis
 - 54. 55 year old moderately obese woman complains of of burning paresthesias and loss of sensation on her Raucrad thigh. The master likely diagnosts is:

Meralgia paresthetica.

B. Trigeminal neuralgia

- "C. Wallenberg syndrome
- D. Bell's palsy
- E. Lambert-Eaton syndrome
- 55. A 14 year old previously health boy experiences a mild gastroenteritis followed by the rapid onset of flaccid weakness in the right arm and left leg. The most likely diagnosis is:
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 - D. Cysticercosis
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- 60. The die reer associated with dystrophin deficiency is:
 - A. Myotonic dystrophy
 - B. Polymyositis
 - C. Myasthenia gravis
 - Duchenne dystrophy
 - E. Type 2 muscle fibe: airophy
- 61. A Sy year old hypertensive man presents to the emergency department with the acute onset of severe vertigo, nausea, vomiting, nystagmus, and difficulty

swallowing. Exam shows a moderately severe gait ataxia, right arm dysmetrix, loss of the corneal reflex on the right with reduced sensibility on the right side of the face, a right Horner's syndrome, and dimmissed sensation to pinprick on the left arm, trunk, and leg. He has no demonstrable limb weakness. The most likely diagnosis in:

A. Ménière's disease

D. Wallenberg syndrome

- C. Acoustic neuroma
- D. Basilar artery migraine
- E. Vestibular neuronitis
- 62. The illusion that stationary objects are moving back and forth is:
 - (A) Oscillopsia
 - B. Dysequilibrium
 - C. Dizziness
 - D. Nystagmus
 - E. Vertigo
- 63. A 30 year old man complains of recurrent sudden attacks of vertigo associated with timitus.

 Audiometry indicates progressive high tone hearing loss. The most likely diagnosis is:

A) Mikulèse's diseme (minu

- B. Benign positional vertigo
- C. Vestibular neuronitis
- D. Motion sickness
- E. Basilar artery migraine
- 64. Acute cuset of vertigo and hystagmus associated with vival nasopharyngitis is characteristic of:
 - A. Menière's disense
 - B. Benign positional vertigo

C) Vestibular neutralitis

- D. Motion sickness
- # E. Basilar artery migraine
- 65. The illusion of rotational movement of self or the environment is termed:
 - A. Oscillopsia
 - B. Dysequilibrium
 - C. Dizziness
 - D. Nystagmus
 - (Vertigo

- A 30 year old man presents with recent onset of ataxia, dizziness, and headache. Complete blood count indicates polycythemia. Magnetic resonance imaging (MRI) of the brain reveals a cystic cerebellar tumor near the foramen magnum. Computed tomographic (CT) scans of the abdomen identify cysts of the kidney and pancreas. The most likely diagnosis for the brain tumor is:
 - A. Astrocytoma
 - B. Meningioma
 - C. Neurilemonia
 - D. Colloid cyst of third ventricle .
 - (i) Hemangioblastoma
- 67. A 32 year old man with a fifteen year history of temporal lobe epilepsy has recently had an increasing number of seizures despite the addition of several new medications to his anticonvulsant regimen. CT scan and MRI indicate a partially calcified mass in the anterior temporal lobe. The most likely histologic finding on biopsy of this mass would be:
 - A. Glioblastoma multiforme
 - .B. Craniopharyngioma 🛧 🛊 😁
 - C. Neurilemoma
 - D: Oligodendroglioma
 - E. Mcdulloblastoma
- 68. Acoustic neuroma (neurilemonia or schwamoma) may be a part of what syndrome:
 - Neurofibromatos s
 - B. Cushing's disease
 - C. Von Hippel-Lindau syndrome
 - D. Acquired immunodeficiency syndroine (AIDS)

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- E, Ataxia-telangiectasla
- 69. Which of the following tumors is associated with homozygous deletion of a region on chromosome 13 (region 13q14):
 - A. Pincal choriocarcinoma ayear a majorage.
 - B. Pituitary adenoma
 - Retinoblastoma
 - D. Meningioma
 - E. Ependymoma.
- 70. A 38 year old woman has recently noted galactorrhea and amenorrhea. Neurologic exam is

normal except for bitemporal hemianopsia. The most likely diagnosis is:

- A. Colloid cyst of third ventricle
- Pituitary adenoma
- C. Pincal dysgerminoma
- D. Pituitary apoplexy
- E. Trilateral retinoblastoma.
- 71. A 38 year old woman with a history of chronic schizophrenia has been hospitalized for treatment in the state mental facility for the past 22 years. Over these years she has been continuously treated with dopamine-blocking neuroleptic drugs. The attendants have observed that in the recent year she has more repetitive purposeless movements, particularly of the face and mouth. The most likely diagnosis is:
 - A. Myoclonus
 - B. Asterixis
 - C. Parkinsonism
 - D. Ballismus "
 - (E) Tardive dyskinesia
- 72. A 14 year old girl presents with ataxia, and a chorcoathetosis. The ophthalmologist has identified Knyser-Fleischer rings during an eye examination.

 The most likely diagnosis is:
 - A. Huntington's chorea
 - (31). Wilson's disease
 - C. Gilles de la Tourette syndrome
 - D. Progressive supranuclear palsy
 - E. Tardive dyskinesia
- 73. A young single mother calls for an appointment for her 9 year old son who is now in the third grade. The teacher is complaining that the child disrupts the class because of his frequent facial grimaces, grunting and snorting sounds, and frequently shouted obscenities. The mother says that the child takes no medications and she denies any illicit drug use in the house. A likely explanation for this problem would be:
 - A. Huntington's chorea
 - B. Wilson's disease
 - . Gilles de la Tourette syndrome
 - D. Progressive supranuclear palsy
 - E. Tardive dyskinosia

- 74. The tremor characteristically associated Parkinson's syndrome is:
 - A. Myoclonus
 - Resting tremor .
 - C. Intention tremor feet
 - D. Action tremore take
 - E. Benign essential tremor
- 75. A 39 year old woman is brought to the emerge department for treatment of an attempted suicid which she took a subtethal dose of the tranqui diazepam (Valium). Her husband relates that she been acting strangely for the past four years, increased forgetfulness, poor judgment, and irregictly limb movements. Apparently her mother a similar clinical picture and successfully comm suicide at age 37 years. She also has an estra older brother residing in a state mental hospita the past 5 years with dementia and a move

at the first of

- disorder. The most likely diagnosis is:
 - D. Gilles de la Tourette syndrome,...
 - C. Neurolibromatosis type I majory
 - D. Myasthenia gravis + a fatty
 - E. Progressive multifocal leukoencephalopathy
- 76. An organism acquired in the birth canal frequently causes meningitis in heonates is:
 - A. Neisseria meningitidis 🦠
 - Listeria monocytogenes,
 - C. Staphylococcus aureus
 - D. Haemophilus influenzae
 - E. Staphylococcus epidermidis
- 77. Examination of a 55 year old retired me marine sailor who spent many years work cargo ships in the Orient reveals marked s loss involving mainly propriocephon, a tomberg test, and severely deformed knee
 - bitterly of brief sharp lancinating pains in twhich can be brought on during the examina pinprick. The most likely diagnosis is:
 - A. Toxoplasmosis"
 - (B) Tabes dorsalis "
 - C. Mucormycosis
 - D. Cysticercosis
 - E. Poliomyclitis

- 78. The disorder of multiple brain cysts produced by the larged form of the pork tapeworm is:
 - A. Neurosyphilis
 - B. Lyme disease
 - C. Toxoplasmosis
 - (D) Cysticercosis
 - E. Scrub typhus
- 79. An elderly gentleman presents to the office with the complaint of sharp pains unitaterally in the upper abdomen and back in a band like distribution. Examination reveals reduced sensibility in the same area as the pain along with a vesicular rash. The most likely diagnosis is:
 - A. Poliomyclitis
 - Shingles
 - C. Progressive multifocal leukoencephalopathy
 - D. Subacute sclerosing panencephalitis
 - E. Herpes simplex encephalitis
- 80. Two unrelated children in the same fifth grade classroom develop meningitis and a petechial skin rash. Both children die within several hours of the onset of the illness and at autopsy the medical examiner notes hemorrhagic infarction of the adrenal glands (Waterhouse-Friderichsen syndrome) in both taildren. The most lakely causative agent is:
 - Neisseria meningitidis
 - B. Listeria monocylogenes
 - C. Staphylococcus aureus
 - D. Haemophilus influenzae
 - E. Siaphylococcus epidermidis.
- 81. A 50 year old man is receiving various drugs for treatment for lymphoma. Over the past several weeks, he has developed a rapidly progressive dementia, associated with signs of ataxia, visual field defects, and spasticity. The most likely explanation is:
 - · A. Friedreich's ataxia
 - 3) Progressive multifocal leukoencephalopathy
 - C. Creutzseldt-Jakob disease
 - D. Ataxia-telangiectasia
 - E. Wilson's disease
- 82. The vaso-invasive organisms that spread from paramasal sinuses and retro-or that tissues to produce

fatal brain infection in poorly-controlled diabetes mellitus are most likely to be:

- A. Mycobacterium tuberculosis
- B. Cryptococcus neoformans unphilled
- Mucormycosis V
- 1). Borrelia burgdorferi
- » E. Toxoplasma gondii
- 83. While reviewing the medical record of a 55 year old recent immigrant from a Southeast Asia refugee camp, it is discovered that he has a positive syphilis serology in both his blood and cerebrospinal fluid. The ocular finding that would be useful in making the diagnosis of neurosyphilis in this man is:
 - A. Partial oculomotor nerve palsylied
 - B. Trochlear nerve palsy the radios:
 - C. Internuclear ophthalmoplegian in
 - E. Horner's syndrome
- 84. A 40 year old outdoorsman presents for evaluation of a facial palsy, chronic headache, and leg pain, sensory disturbance, and some weakness in a radicular distribution. Further history indicates that he frequently camps outdoors for weeks at a time throughout the New England area. He admits to having been bitten by ticks, but does not remember when. A likely diagnosis would be:
 - A. Neurosyphilis
 - Lymc disease
 - C. Toxoplasmosis ..
 - D. Cysticcreosis
 - E. Scinb typhus
- 85. A 26 year old previously healthy. Woman experiences the subacute onset of behavioral changes, fever, and headache. Following a generalized seizure, she is brought to the emergency department where radiologic imaging studies show hemorrhagic necrosis of inferomedial temporal lobes. The most likely diagnosis is:
 - A. Poliomychitis
 - B. Cysticercosis
 - -C. Progressive multifocal leukoencephilopathy
 - D Subacute selerosing panencephalitis lerpes simplex encephalitis

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- 86. The disorder characterized by a fracture of the LS vertebral neural arch occurring at or before birth is called:
 - A. Klippel-Peil anomaly.
 - B) Sport Lylolysis
 - C. Post's disease
 - D. Ankylesing spondylitis
 - E. Syringomyclia
- 87. A 32 year old aroman presents to the hospital because of a severe second-degree burn involving most of the palm of her left hand that occurred when she accidentally laid her hand on the burner of a stove and did not notice that the burner was hot. Exam reveals marked wasting and weakness of all intrinsic hand muscles bilaterally. She has loss of pain and temperature sense over both arms, shoulders, upper trunk and neck. Proprioception is preserved in her arms and hands. She also has bilaieral extensor plantar responses (Babinski reflexes). The most likely diagnosis is:
 - A. Klippel-Feil anomaly
 - B. Spondylolysis
 - C. Pott's disease
 - D. Ankylosing spondylitis
 - Syringoniyelia
- The anterior cord syndrome is characterized by:
 - A. Ipsilateral spasticity and proprioceptive loss and contralateral loss, of pain and temperature sensibility
 - B. Greater weakness in arms than in legs, patchy sensory loss, and urinary retention
 - LaBilateral spasticity and loss of Gain and temperature sensibility with preservation of proprieception
 - D. Bilateral flaccid paralysis, anosthesia, areflexia, 語籍 and bladder and sphincter dysfunction
 - E. Dilateral loss of proprioception
- 89. Following surgery for an atheroseleratic abdominal aortic, ancurysm, a 65 year old man with a 75 pack/year smoking history awakens with paraplegia and loss of pain and temperature sensation extending up to the 710 spinal cord level. Proprioception in his legs is preserved. The operative note from the surgeon indicates a difficult surgical repair of a large ancurysm that involved the origins of the renal

arteries (which had to be reimplanted above dacron-bypass graft used in the repair) likély diagnosis is:

- A. Syringomyclia
- B. Pott's disease
- Anterior spinal artery syndrome
- D. Ankylosing spondylitis
- E. Intramedullary metastasis of lung cander
- .90. 'A 29 year old man complains of stiff backland nec particularly upon awakening in the morning. Exashows limited neck motion and limited ability bend forward at the waist. Spine radiographs sho destruction of the sacroiliae joints and early bridgin between vertebral bodies in the thoracic and humba spine. The most likely dlagnosis is
 - A. Klippel-Pell momaly ?
 - B. Spondylolysis
 - C. Pott's disease
 - D. Ankylosing spondylitis
 - D. Syringomyclia
 - 91. Obstructive sleep apnea occurs during which sleep stage:
 - A. Stage i sicep
 - B. Stage II sleep
 - C. Stage III sleep
 - D. Singe IV sleep
 - U."REM sleep
 - 92. The symptom of narcolersy)in which there is sudden loss of muscle tone often precipitated by strong emotion (such as laughter) is:
 - A. Sleep paralysis
 - D: Cataplexy_
 - C. Hypnogogic hallucinations
 - D. Pickwickian syndrome
 - E. Pavor nocturnus
 - 93. A 35 year old seemingly-healthy woman undergoing a dexamethasone suppression test shows no evidence of the normal circadian cortisol rhythm. The most likely explanation is:
 - A. Somnambulism
 - B. Simultaneous bromocriptine administration
 - (C. Depressive disorder
 - D. Lambert-Eaton syndrome
 - E. Binswauger's disease

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- Overly aggressive correction .f hyponatremia can produce:
 - A. Acute disseminated energy compelitis
 - R. Experimental allergic encar malomyelitis
- (1) Central positine myelinoly and
 - D. Acute transverse myclitis
 - E. Retrobulbar neuritis
- 95. A 29 year old woman with numbiple selerosis has the following neurologic findings: with attempts to gaze to the left, the right (adducting) eye does not move past the midline, while the reft (abducting) eye moves out but develops systagmus; she can converge normally. The lesion producing these signs affects:
 - Medial longitudinal fasciii, nus
 - .B. Right optic nerve
 - C. Medial lemniscus
 - D. Left Edinger-Westphal mucleus
 - Right oculomator nerve
- 96.7A retarded techage boy with large cars, prominent jaw, and macroorchidism would most likely have which disorder:
 - A. Phenylketonuria
 - B. Donn synthome
 - Tragile-X symbolisme
 - D. Crétinism
 - E. Adrenoleukodystrophy
- 97. At 3 months of age, the mother of a previously healthy infant first noted that the child had an exaggerated startle to slight noises in the bedroom. Developmental milestones have been delayed such that now at age 10 months the child still has poor sitting ability. Exam revents generalized hypotonia. The child does not seem to respond vertal cues. The optic fundus shows a macular cherry red spot. The most likely diagnosis is:
 - (b) Thy-Sachs disease
 - II. Adrewdenkodystrophy
 - C. Pompe's disease
 - D. Autism
 - E. Cretinism

- 98. In a newborn 2011 ongue, abdominal distention, <u>consumate</u> street, floopiness, and prolonged neoning the mest likely diagnosis is:
 - A. Phenylketonura
 - B. Down syndrone
 - C. Fragile-X syntmes
 - Crctinism Crctinism
 - E. Adrenoleukodystroshy
- 99. Elevated α-fetopring: gover in amniotic fluid are characteristic of wire: flate; at
 - A. Tay-Sachs diagra-
 - B. Adrenoleukodestrativ
 - C. Pompe's disease
 - D. Phenylketonu a

Anencephaly



- 100. The disorder associated with abnormal peroxisonal B-oxidation of very ring wan fatty acids by
 - A. I'henylketonur:
 - B. Down syndrama
 - C. Fragile-X synteme
 - D. Cretinism
 - E.) Adrenoleukos ja vad

	. Answers	to Self-Assessment Examination
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