

رّوح
CNS
MODULE
Mid

Done by:

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Pharma (anti-Parkinson)

1)all anti-Parkinson except:

- A) Levodopa
- B) Amantadine
- C) Bromocriptine
- D) Serotonin
- E) tolcapone

Ans:d

Pharma (anti epileptic drug)

2)Drug used for herptic neuralgia and diabetic neuropathy?

- A) carbamazepine
- B) phenytoin
- C) valproate
- D) Gabapentin

ans:a

3) Valproic acid mechanisms?

- A) Inhibition of GABA transaminase
- B) prolong Na⁺ channels activation
- C) activation of T-Ca⁺ channels
- D) increase Decreased excitatory amino acid

Ans:a

4)All about CSF of bacteria true EXCEPT :

- A) Lactate > 35
- B) Lymphocyte predominant
- C) Markedly decrease glucose
- D) Elevated WBC,s

ans:b

Medicine

5)Not risk factor for stroke

- A) atrial fibrillation
- B) hypertension
- C) mitral prolapse
- D) previous TIA
- E) diabetes

Ans:c

6)In which of the region that posterior spinocerbellar tract is absent :

- a) Cervical
- b) Thoracic
- c) Lumbar

ans:c

7) Brain supply ,except ?

- A) thalamus ..PCA
- B) motor foot .ACA
- C) motor hand.MCA
- D) centre micturition..MCA

ans:d

Pharma(antidepressants drug)

8)all are antidepressants except?

- A) Selective serotonin re-uptake inhibitors (SSRIs)
- B) Atypical antidepressants
- C) Serotonin/norepinephrine re-uptake inhibitors(SNRIs)
- D) glutamate excitation
- e) Monoamine oxidase inhibitors (MAOs)

ans:d

9)all are SSRI except:

- A) fluoxetine
- B) fluvoxamine
- C) citalopram
- D) duloxetine
- E) escitalopram

Ans:d

10)Neurotransmitter in alzahimer ?

- A) ach
- B) glutamate
- C) dopamine
- D) serotonin

ans:a

11)The sensation of temperature is signaled mainly by warm and cold receptors whose sensory fibers travel in association with the sensory fibers carrying pain signals. Which of the following statements best characterizes the transmission of signals from warm receptors?

- A) Warm receptors are well characterized histologically.
- B) Signals from warm receptors are mainly transmitted along slow-conducting type C sensory fibers.
- C) Warm receptors are located well below the surface of the skin in the subcutaneous connective tissue.
- D) There are 3 to 10 times more warm receptors than cold receptors in most areas of the body.

ans:b

12)not show in the floor of fourth ventricle :

- A)abducent**
- B)facial nerve nucleus**
- C)vestibular**
- D)dorsal nucleus of vagus**
- E)hypoglossal nucleus**

Ans:b

13)About (parasympathetic)GVE , what is correct?

- A)Edinger-Westphal nucleus supply extraocular**
- B)sup salivary nucleus in pons**
- C)inf salivary nucleus carried by hypoglossal**

Ans:b

14)Faler of forebrain to devide into 2 cerebral hemisphere

- A- holocencephaly**
- B- lissencaphaly**
- C- chairi 1 malformation**
- D- dany walker malformation**

Ans:a

15)All the following diseases associated with acanthemoba species except

- A- primary ameboic meningio encephalitis**
- B- keratits**
- C- chronic granulmatous infection of the skin**
- D- granulmatous ameobic encephalitis**

Ans:a

16)patients take thiamine for endoscopy, who will develop side effect

- A- 12 years old with otitis media**
- B- 10 years old with sinusitis**
- C- 9 years old with asthma**
- D- 8 years old first time to take it**

ans:c

17)Which of the following is the basis for referred pain?

- A)Visceral pain signals and pain signals from the skin synapse with separate populations of neurons in the dorsal horn**
- B)Visceral pain transmission and pain transmission from the skin is received by a common set of neurons in the thalamus**
- C)Visceral pain signals are rarely of sufficient magnitude to exceed the threshold of activation of dorsal horn neurons**
- D)Some visceral pain signals and pain signals from the skin provide convergent input to a common set of neurons in the dorsal horn**

ans:d

18) In breastfed neonate the primary and main source of energy is numerous

- A- glucose only**
- B- ketone body**
- C- glucose, acetoacetate, B hydroxybutyrate**
- D- mannose**

Ans:c

19) Which cerebellar nuclei is the most medial?

- a) Emboliform**
- b) Dentate nucleus**
- c) Fastigial**
- d) Globosus**

Ans:c

20) If Wernicke's area is damaged what will happen?

- a) visual disturbance**
- b) write disability**
- c) loss of language**
- d) loss of language comprehension**

Ans:d

21) Drug use in schizophrenia and psychotic disorder is?

- a) Direct dopamine receptor Antagonists**
- b) Serotonin selective re-uptake inhibitors**

Ans:a

22) (Case) patient suffers from hallucinations, delusions and he became quite and isolated, he received haloperidol that is considered to improve?

- a) delusions**
- b) negative symptoms**
- c) depression**

ans:a

23) All of the following statements about the body of the corpus callosum are correct, except:

- A) lower surface attached to septum pellucidum**
- B) lower surface related to lateral ventricle**
- C) separated from cingulate gyres by cingulate sulcus**
- D) connects parietal lobes on both sides**

Ans:c

24) One of the following is true about Negleria fowleri

- A- its opportunistic disease**
- B- flagellate form found in water is invasive stage**
- C- trophozoite eaten bacteria found in great numbers in CSF**
- D- the cyst is round with pores in its wall found in brain**
- E- cause keratitis that may require keratoplasty**

ans:c

25) All of the following are INCORRECT related to Non-REM sleep except?

- a) Raphe-nuclei is the center of Non-REM sleep
- b) center of REM sleep is solitarius nucleus

Ans:a

26) Exner area responsible of

- A- vision
- B- auditory
- C- mathematical solving and writing
- D- speech

Ans:c

27) Vestibular Nucleus that contains an extremely large nerve cells called the giant cells of Deiters?

- a) lateral nucleus
- b) inferior
- c) Superior
- d) medial

Ans:a

28) One is Correct related to superior petrosal sinus?

- a) it runs along its attachment to the petrous bone
- b) runs along free border of tentorium cerebelli
- c) runs along attachment of falx cerebri

Ans:a

29) Failure of forebrain to divide into 2 cerebral hemispheres?

- a) Anencephaly
- b) Lissencephaly
- c) Holoprosencephaly
- d) Craniorachischisis
- e) Dandy-Walker malformation

Ans:c

30) Is the most important component of BBB?

- a) continuous basement membrane
- b) fenestrated endothelial cells
- c) Astrocytes send processes called end-feet
- d) Glia limitans perivascularis

Ans:d

31) All of the following originated from Neural Crest except?

- a) Melanocytes
- b) oligodendrocytes
- c) sphenoid bones
- d) Schwann cells
- e) sensory cell

Ans:b

32) One is INCORRECT?

a) thalamus gland appearance is called brain sand ✓

33) Which one is Catechol-O-methyltransferase?

Tolcapone ✓

34) Which is true about sodium Valproate?

a) Inhibition of GABA transaminase ✓

35) The most sensitive neurons to transient global ischemia?

Cerebellar purkinji cells. ✓

36) How much brain consume glucose of Total body glucose?

- a) half
- b) one quarter
- c) two thirds
- d) one third

Ans:b

37) Which of the following does not happen in brain?

- a) pyruvate convert to lactate
- b) pyruvate convert to acetyl-COA
- c) lactate convert to pyruvate
- d) glucose phosphorylation to G6P
- e) G6P dephosphorylation to glucose

Ans:e

40) One is not true regarding to N.fowleri?

- a) Primary amoebic meningo-encephalitis.
- b) opportunistic parasite
- c) cyst: round with pores on its wall
- d) lyse and ingest brain tissue

Ans:b

41) One of the following is not caused by Acanthamoeba?

- a) chronic granuloma of the lung
- b) keratitis
- c) primary amoebic meningioencephalitis
- d) Granulomatous amoebic encephalitis

Ans:c

42) Related to the ant. Commissure all of the following are true except?

- a) in front columns of fornix
- b) connect olfactory bulb
- c) connect hippocampus
- d) connect uncus
- e) connect ant. Perforated substance

Ans:c

43) One is CORRECT about A.cerebral artery?

- a) Supply area of hamstrings muscle
- b) supply area of thenar muscle

ans:a

44) All of the following are true except?

- a) trunk of post. Cerebral artery supply 3rd ventricle
- b) trunk of Corpus Callosum connect the parietal lobes on both sides
- c) Corpus Callosum separated from Cingulate gyrus by Cingulat sulcus

Ans:c

45) tonsils:

- A. anterior lobe in superior surface
- B. post. l in inf surface
- C. flocculonodular lobe

Ans:b

46) terminal ventricle:

- A. dilatation of central canal in spinal cord
- B. dilation of subarachnoid space in spinal cord

Ans:b

47) One of the following not neural crest in origin

- A- sphenoid bone
- B- adrenal medulla
- C- melanocyte

Ans:c

Pharmac (DR NASHWA)

48) Antipsychotic for schizophrenia and psychosis

- A) serotonin reuptake inhibitors
- B) post synaptic dopamine antagonist

Ans:b

49) anesthesia mechanisms?

- A) direct act on GABA-A
- b) potentiate GABA in GABA-A with no direct effect on receptor
- c) activation of nicotine on K⁺ currents
- d) increase chloride efflux

Ans:a

50) Which nerve emerges from beginning of the middle cerebellar peduncle?

- a) VI n.
- b) V nerve
- c) XII
- d) VI
- e) VII n.

ANS:B

51) One of the following is low grade of meningioma?

- a) secretory
- b) Rhomboid
- c) choroid
- d) clear cell

Ans:a

52) the cause of aphasia damage in which area?

- a) Broca's
- b) Exner's
- c) premotor area
- d) wernicke's area

Ans:a

53) (Case) the injury ery between thalamus and lenticular nucleus?

- a) ant. Limp of internal nucleus
- b) post. Limp of internal nucleus
- c) caudate nucleus
- d) corpus callosum

ans:b

54) Post .spinocerebellar disappears in?

- a) upper thoracic
- b) lower thoracic
- c) lumper
- d) cervical
- e) sacral

Ans:c

55) Which one doesn't share in Glomeruli?

- a) Golgi cell axon
- b) Golgi cell dendrite
- c) Granule cell dendrite
- d) Granule cell axons
- e) mossy fibers

Ans:a

56) One of the following is INCORRECT?

Zolpidem use in acute anticonvulsant ✓

57) The sensation of temperature is signaled mainly by warm and cold receptors whose sensory fibers travel in association with the sensory fibers carrying pain signals. Which of the following statements best characterizes the transmission of signals from warm receptors?

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B) Signals from warm receptors are mainly transmitted along slow-conducting type C sensory fibers.

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D) There are 3 to 10 times more warm receptors than cold receptors in most areas of the body.

ans:b

Embryo

58) not from neural crest?

A) Melanocytes

B) Adrenal medull

C) sensory nerve from dorsal ganaglion

D) oligodendrocytes

E) sphenoid bones

Ans:d

59) one hemisphere seen in?

A) Lissencephaly

B) Holoprosencephaly

C) Chiari I malformation

Ans:b

60) Patient feel like its the worst headache ever :

Aneurysm

61) All are True except :

Calsification of pulvinar called brain sand

62) Nuclei called Dieters

- Lateral vestibular n .

63) One is True about Inferior collicus:

- Aqeduct is surrounded with quadrangular area of grey matter

Surgery

64)management for delay cerebral ischemia in subarachnoid haemorrhage?

- A) hypervolemic-hypertensive-hemodilution therapy**
- B)labetalol**
- C)oral nefidipine**
- D)nitropusside**
- C)oral Nepdine**

Ans:a

65)(--- that GSA below?)

8

66)Superior petrosal sinuses runs along?

- A)attachment of falx cerebri+tentorim cereblli**
- B)attachment falx cereblli+tentorim cereblli**
- C)attachment tentorim cereblli at occipital bone**
- D) attachment tentorim cereblli at Petrous bone**

Ans:d

67)Vessel involved in fronto-temporal epidural hematoma

- Middle meningeal a.

68)One of the following is a low grade of meningioma :

- Secretory

69)Which of the following related to superior thalamus?

- A.Anterior horn of lateral ventricle**
- B.Cavity of third ventricle**
- C.Tela choroida**

Ans:c

70)Tumor widely spread between lentiform n and thalamus ,, one get effected

- post limb of IC

Pharma (DR Mohamed)

71)5 person have given anaesthesia, which one we carried about when given thiopental ?

- A)5-years with otitis**
- B)7-years with sinusitis**
- C)9-years with asthma**
- D)11-years with anaemia and chronic disease**
- E)15-years not received anaesthesia**

ans:c

72)patient taking 2 tablets from lorazepam, doctor says he is in toxicity state , what appropriate action ?

- A)gastric lavage**
- B)iv Flumazeni**
- C) IV. sodium bicarbonate**

Ans:b

73)All of the followin according to dynamic stretch reflex are correct EXCEPT

- a.Tendon jerk**
- b.stimulated by sudden tap on tenon**
- c.Receptors are nuclear bag**
- d.discharge flower spray fibers "مش متأكدة من صيغة الخيار"**

Ans:d

74)Cerebral tissue utilize .. Of total body glucose utilization:

- a.Quarter**
- b.Two quarter**
- c.Third**
- d.Half**

Ans:a

Pharma

75)Patient 36 years old - he smokes 2 packs of cigarettes, he tried to stop smoking by using patches but unsuccess , what medication benefit in this case

- A)phenelzine**
- B)bupropion**
- C) imipramine**
- D) Buspirone**
- E) citalopram**

ans:b

Pharma (DR JEHAN)

76)all are true about Buprenorphine except:

- A) 25-50 times more potent than morphine**
- B)lingual or Sublingual route**
- C)can used during labor**
- D) Postural hypotension is marked**
- E) Long lasting pain- cancer**

Ans:c

77)used for paralyticileus

- A) Alvimopan"**
- B)fantynyl**
- C) Tramadol**
- D) Methadone**
- E) Pethidine**

Ans:a

78)withdrawal of nicotine :

Answer : clonidine

79)Supragranular layers ???

I III III

80)One is INCORRECT?

Spinal cord end in L3 in adult

81)which one is correct about gray matter:

- a.myelinated axons & few unmyelinated axon and neuroglia**
- b.bodies of nerves cells , dendrites , unmyelinated axons and neuralgia**
- c.bodies of nerves cells , dendrites , myelinated axons and neuralgia**

Ans:b

82)Cerebellar ataxia is manifested by all the following. EXCEPT

- A.dysdiadochokinesia**
- B.static tremors**
- C.dysmetria**
- D.staccato speech**

ans:b

83)A 45-year-old woman has had unilateral headaches on the right for the past 5 months.

Physical examination yields no remarkable findings. The representative gross appearance of the lesion seen on CT scan of the head is shown in the figure. The mass is surgically removed and microscopic examination shows elongated cells with pale, oblong nuclei and pink cyto- plasm with occasional psammoma bodies.

Cytogenetic analysis shows 22q. What is the most likely diagnosis?

- A Astrocytoma**
- B Ependymoma**
- C Meningioma**
- D Metastasis**
- E Tuberculoma**

Ans:c

84) Which artery supply major part of cerebral hemisphere?

- A. Anterior cerebral artery**
- B. Posterior cerebral artery**
- c. Middle cerebral**

Ans:c

85) Major part of blood brain barrier → Glial limitans perivascularis

86) All are false according to sedative hypnotics EXCEPT

- A. Phenobarbital long acting on Cl channels**
- B. Lorazepam activate GABA A directly**

مش متذكّرة باقي الخيارات بس كانوا واضحين إنهم غلط، هذول حسيت الثنين صح

87) on the level of inf. Colliculus ; we found:

- a. The aqueduct is surrounded with quadrangular area of grey matter**
- B. Red nucleus at the mid**
- c. 3 lemnisci present**
- D. Dorsal & ventral decussation**

Ans:a

88) the last lig in vertebral column is:

- A. supraspinous lig**
- B. interspinous lig**
- C. lig flavum**
- D. dura Mater**
- E. anterior intervertebral**

ans:c