

CNS-Microbiology

Archive

Lecture 1

Parasitic and Fungal Meningitis

Medical card

Name _____

Date of b _____

Gender _____

Address _____

Date of call _____

Sign _____

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1. Which of the following is incorrect about *N. fowleri*?

a. Death occurs after 1 month

2. All are correct regarding *N. fowleri* EXCEPT? Select one:

a. Causative agent of PAM.

b. Has trophozoite, ellate and cyst forms in warm water.

c. Best diagnosed by lumbar puncture and CSF examination.

d. Reach the brain via blood stream.

e. ellates can be seen in CSF.

Answer : D. Reach the brain via blood stream

3. All are correct regarding amoebic meningitis EXCEPT?

a. The incubation period of *N. fowleri* between 1-14 days after exposure.

b. The PAM has two stages with death occurs after the first or the second stage of disease.

c. Trophozoite and ellate form of *N. fowleri* are found in CSF.

d. *Acanthamoeba* probably reaches the brain by hematogenous dissemination.

e. The clinical course of *Acanthamoeba* is more prolonged than that of *Naegleria* and occasionally ends in spontaneous recovery.

.Answer :A. The incubation period of *N.fowleri* between 1-14 days after exposure

4. Which of the followings is INCORRECT regarding fungal and amoebic meningitis?

a. Cryptococci produce polysaccharide capsule.

b. They use macrophages to cross the blood-brain barrier.

c. Infections in immunologically normal people are very common.

d. Person-to-person transmission has not been documented.

e. If left untreated, cryptococcal meningoencephalitis may lead to brain damage, hearing loss and hydrocephalus

Answer :C. Infections in immunologically normal people are very common

5. Which of the following is correct about meningoencephalitis?

a. CSF usually has decreased glucose and increased of neutrophils

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6. Which of the following is incorrect about cryptococcosis?

a. Has no effects if left untreated

7. One of the following is wrong regarding to *C. neoformans*?

a. Can be transmitted through person-person

8. One of the following is wrong about *acanthamoeba* + *balamuthia* :

a. Only cyst can be found in biopsy

9. All the following diseases associated with *acanthamoeba* species except

- a. primary amoebic meningo encephalitis
- b. keratitis
- c. chronic granulomatous infection of the skin
- d. granulomatous amoebic encephalitis

Answer : A. primary amoebic meningo encephalitis

10. One of the following is true about *Naegleria fowleri*

- a. its opportunistic disease
- b. flagellate form found in water is invasive stage
- c. trophozoite eaten bacteria found great numbers in CSF
- d. the cyst is round with pores in its wall found in brain
- e. cause keratitis that may require keratoplasty

Answer : C. trophozoite eaten bacteria found great numbers in CSF

11. One of the following is not caused by *Acanthamoeba* ?

- a. chronic granuloma of the lung
- b. keratitis
- c. primary amoebic meningoencephalitis
- d. Granulomatous amoebic encephalitis

Answer : C. primary amoebic meningoencephalitis

12. 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

Answer : B. opportunistic parasite

13. Which of the following is true about *C. Neoformans*:

- a. ingestion of its spores cause systemic manifestation.
- b. Produce mucoid colonies by culturing on Sabouraud dextrose agar

Answer : B. Produce mucoid colonies by culturing on Sabouraud dextrose agar

قال ابن الجوزي - رحمه الله -: «انتبه لنفسك،
واندم على ما مضى من تفريطك، واجتهد في
لحاقه الكاملين، ما دام في الوقت سعة، واسق
عُصنك ما دام فيه رطوبة، واذكر ساعتك التي
ضاعت فكنف بها عظة»

أخلصوا النوايا والزموا التغور، فلرب همة أحيته

