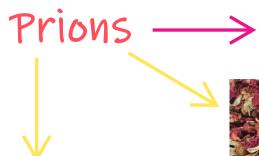


The answer is D. The symptoms are most consistent with West Nile neurologic disease, a rare complication of West Nile virus infections.

(D) West Nile virus



abnormal folding of specific normal cellular proteins called prion proteins (PrP) that are found most abundantly in the brain.



متل الوردة الجافّة ازا جفّت بتلة من بتلاتها بتصير كل البتلات متل اختهم الجافّة



Prions composed of the prion protein (PrP) are hypothesized as the cause of transmissible sponaiform encephalopathies (TSEs).

- TSEs in humans include:
- 1- Creutzfeldt-Jakob disease (4 forms):
- the sporadic (SCJD) the hereditary/familiar (fCJD)
- the iatrogenic (iCJD) the variant form (VCJD).
- 2- Kuru.
- 3- Fatal familial insomnia (FFI).
- TSEs in animals include:
- 1- Scrapie in sheep and goats.
- Bovine spongiform encephalopathy (BSE) in cows.
 (Madcow disease

Signs & Symptoms of CJD

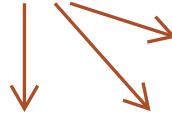
- Rapidly progressive dementia (confusion, disorientation, and problems with memory, thinking, planning and judgment).
- Rigidity
- Agitation, apathy and mood swings.
- · Myoclonus.
- As the condition worsens physical manifestations such as:

Ataxia.

speech impairment. changes in gait right about TSEs Answer: sporadic more common mostly in adult > 60 years old

The spinal cord can be involved in infections as well (infectious myelopathies)

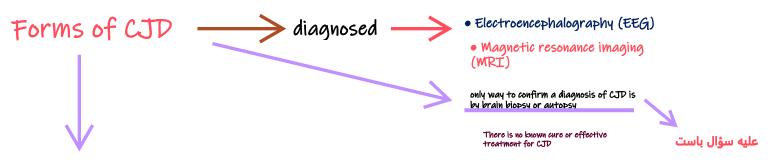
Myelitis arises from intrinsic infection and inflammation of the spinal cord.



location within the cord. The herpesviruses and enteroviruses are ubiquitous, accounting for a substantial number of viral myelitis cases.

Treponema pallidum, the causative agent of syphilis, is a rare etiology of myelopathy in the 21st century.

Pyogenic epidural abscess



Sporadic (SCJD)

Familial (fCJD) acquired (iCJD)/

(VCJD)

Opiate drugs can help relieve pain if it occurs, and the drugs clonazepam and sodium valproate may help relieve myoclonus

- True about familial Creutzfeldt-Jakob:

b. Brain biopsy has no importance in diagnose

C. There is no treatment for this disease Answer: C

CSF investigations a. Acyclovir is important as empirical treatment have shown leukocytosis with predominance of lymphocytes and normal glucose and protein levels, the most appropriate diagnostic method is? B. viral culture C. biopsy D. CT imaging Answer: A

A patient came with a headache, fever, and focal neurologic deficits.

-Wrong statement about encephalitis: Answer: It cannot be prevented or treated

-Which of the following is true regarding encephalitis?

a. Streptococci are the most identified pathogens in sporadic cases of encephalitis.

b. Encephalitis patients are usually treated at home with anti-pyrectics and painkillers.

Persons infected with Herpes simplex type-1 commonly develop encephalitis

- d. SF culture is necessary to confirm the diagnosis of encephalitis.
- e. Arboviruses are associated with epidemics of encephalitis.

Answer: E

-False statement about meningitis (or encephalitis): Answer: Brain biopsy is usually acquired for diagnostic purposes

-Wrong about a patient with CJD: Answer: His survival median is very long

-The most common cause of sporadic encephalitis: Answer: HSV



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