

PNS-Microbiology

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Lecture 3

polio viruses

Corrected by:

X

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Lecture 3

1.Regarding poliovirus and poliovirus vaccines, which one of the following is MOST ACCURATE?

- a- Poliovirus is sensitive to acidic pH
- b- Poliovirus remains latent within sensory ganglia, and reactivation occurs primarily in immunocompromised patients
- c- Reversion of serotype 3 to virulence could occur with the oral Sabin vaccine that can cause paralytic polio
- d- Serotype 3 of poliovirus is the most virulent type
- e- Being given orally considered an advantage for the killed Salk vaccine

answer, not sure

2.All are true about poliovirus, EXCEPT?

- a. Type I is responsible for most epidemics
- b. It is transmitted by feco-oral route
- c. Type I responsible for vaccine paralytic poliomyelitis.
- d. Asymptomatic infections are common in children
- e. No permanent carrier in poliovirus infection

Answer,C

3.All of the following true about polio virus except

There are Four serotypes

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Lecture 4

Babies and prion

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1. Each of the following statements concerning rabies and rabies virus is correct EXCEPT?

- a- The virus has a lipoprotein envelope and single-stranded RNA as its genome
- b- The virus has a single serotype
- c- Its transmission could be through non-bite exposure
- d- The virion contains an RNA polymerase
- e- Infected neurons contain intra-nuclear inclusion bodies called Negri bodies

answer, c

2. Regarding prions, which one of the following is the MOST ACCURATE?

- a- The genome of prions consists of a negative-polarity RNA that has a defective polymerase gene
- b- Abnormal prion protein is associated with the cell membrane.
- c- Prion proteins are encoded by cellular genes
- d- The main host defense against prions consists of an inflammatory response
- e- Variant Creutzfeldt-Jakob disease is a disease of cattle caused by the ingestion of sheep brain mixed into cattle feed

answer, c

3. Each of the following statements concerning the rabies vaccine for use in humans is correct EXCEPT?

- a- The vaccine contains inactivated rabies virus
- b- If your patient is bitten by a wild animal, the rabies vaccine should be given.
- c- When the vaccine is used for post-exposure prophylaxis, rabies immune globulin should also be given.
- d- The virus in the vaccine is grown in nerve tissue cell cultures, thus decreasing the risk of allergic encephalomyelitis
- e- Pre-exposure vaccination given in three doses plus a booster dose every two years

answer, d

4. Which of the following is wrong about prions?

- a. Has nucleic acid

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5.wrong about rabies:

a. 450mm/dayp

6.false about prions

A. detected by nuclic acid sequence

B. caused by mutation of human PcPc into PcPsc

answer,A

