

## Mediquiz

**Series - 11**

### HIV infection (in recognition of *World AIDS day* : 1<sup>st</sup> December)



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Quiz Master

- (1) From 2020, the Government of India is introducing Dolutegravir in the ART regimen. Which group does this new drug belong to?
  - a. Integrase inhibitor
  - b. Reverse transcriptase inhibitor
  - c. Entry inhibitor
  - d. Protease inhibitor
- (2) According to the new NACO guidelines, what is the CD4 count below which HAART is to be started?
  - a. 200
  - b. 350
  - c. Irrespective of the value
  - d. 500
- (3) *Isospora belli* is an opportunistic pathogen causing diarrhea in HIV infected persons. What is the treatment of this infection?
  - a. Nitazoxanide
  - b. Cotrimoxazole
  - c. Ciprofloxacin
  - d. HAART
- (4) A 39 year old man, known HIV infected, presented with progressive ataxia and fatigue. Also, he had some slurring of speech and right knee jerk was brisk. MRI of brain revealed plaques in the white matter in cerebellum and upper cervical spine. What is the treatment of this condition?
  - a. Acyclovir
  - b. HAART
  - c. Pyrimethamine
  - d. Methylprednisolone
- (5) Which of the following is not a clinical stage 4 condition in HIV?
  - a. Cerebral toxoplasmosis
  - b. Peritoneal tuberculosis
  - c. HIV wasting syndrome
  - d. Hairy leukoplakia
- (6) According to NACO guidelines, which are the two commonest causes of brain SOL in HIV positive persons in India? (choose two of the following)
  - a. Tuberculosis
  - b. *Penicillium* spp.
  - c. Toxoplasmosis
  - d. Cryptococcoma
  - e. MAC infection of the brain
- (7) According to the NACO 2018 document, HIV care in India has the target for three “zero”es by 2024. What are these three “zero”es?
  - a. New case, new drug resistance, new opportunistic infection
  - b. New case, new death, discrimination
  - c. New death, discrimination, mental health problems
  - d. New case, lost to follow up, drug development
- (8) In the diagnosis of HIV infection, if the first test is positive but the second test comes negative, what should be the next course of action?
  - a. Declare the result as negative
  - b. Declare the result as indeterminate
  - c. Do a third test
  - d. Do nothing for now, repeat test after 1 month
- (9) For a person with HIV infection on cotrimoxazole prophylaxis, which laboratory tests are needed for monitoring?
  - a. Liver function test
  - b. No specific test
  - c. Complete hemogram and LFT
  - d. Complete hemogram, reticulocyte count and folic acid levels
- (10) A person presented with fever and seizures. On further testing, cryptococcal meningitis was diagnosed. Also, the person was found to be HIV+ve. What should be the ideal treatment sequence?
  - a. Start ART and anti-fungals simultaneously
  - b. ART is started only after completion of full course for *Cryptococcus*
  - c. ART started first, followed 2 weeks later by amphotericin
  - d. Start ART after initial 4 weeks of amphotericin and clinical stabilization
- (11) A person is newly diagnosed to be HIV +ve. On initial assessment, she is found to have hemoglobin level of 7.3 g/dl. Other parameters are normal. What is the best course of action regarding HAART initiation?
  - a. First give blood transfusion to raise Hb to 10; then start ART
  - b. First give iron and folate tablets
  - c. Clinically assess; if nothing else is found as a cause of anemia, start ART
  - d. Do a bone marrow study to assess the aetiology of anemia before starting ART
- (12) What were the outcomes of the HPTN 052 trial?
  - a. Early ART can prevent premature death
  - b. Early ART can prevent HIV transmission
  - c. Early ART can prevent neurological progression
  - d. Early ART can prevent opportunistic infections

(Answer : Page 91)