



Were you paying attention? Test your retentive capacities on issues raised in this edition of *Africa Health*. You can quietly test yourself, or – and we're particularly keen on this – you could make it a part or the foundation of a Journal Club in your department or health institution. Life-long learning is a collaborative exercise and the whole health team can be positively stimulated by being involved in such discussion.

### 1. Who will pay for malaria programmes?

- Qi. How long is the estimated life of an insecticide-treated bednet?
- 2 to 3 years.
  - 5 to 7 years.
  - Up to 15 years.

- Qii. The African Leaders Malaria Alliance have produced and maintained a 'scorecard'. What is its purpose?

### 2. Pharmacodynamics for the prescriber.

- Qi. What is the definition of pharmacodynamics?

- Qii. Why must drug prescribers recognise the need to monitor the outcome of their prescription?

- Qiii. What term is conventionally used to describe a gradual loss of response to a drug that occurs over days or weeks?

### 3. Pharmacogenetics for the prescriber

- Qi. What is the definition of pharmacogenetics?

- Qii. Cancer has mutations. How many does each cancer have?
- Up to 100.
  - Between 20 and 30.
  - Between 30 and 80.

- Qiii. In which cancer was the earliest example of targeted therapy?
- Prostate cancer.
  - Breast cancer.
  - Lung cancer.

- Qiv. The individual daily dose requirements of warfarin vary by at least 30-fold. Is this statement
- True.
  - False.

### 4. Clinical Review – AIDS

- Qi. What does research show to be an additional value of ART?

- Qii. In the elimination of HIV/AIDS, what strategies in addition to a more strategic use of ART are recommended?

- iii. At the end of 2011, the estimated number of people living with HIV/AIDS in sub-Saharan Africa was how many?
- 18.5 million.
  - 23.5 million.
  - 26.5 million.

- iv. ART, across all baseline CD4 counts, can reduce the risk of TB in HIV-infected persons by what percentage?
- 10%.
  - 95%.
  - 65%.

### 5. Clinical Review – Medicine

- i. How does African histoplasmosis usually present?

- ii. What is the cause of pellagra?

- iii. In pellagra, what are the skin changes in the neck sometimes known as?

- iv. Eating hippopotamus meat cause anthrax. Is this statement
- True.
  - False.

### 6. Clinical Review – Paediatrics

- i. In the diagnosis of bacterial meningitis what is a major differential diagnosis in some regions?
- Malaria.
  - Brain tumour.
  - Dengue fever.

- ii. A CT scan will show up most cases of purulent meningitis. Is this statement
- True.
  - False.

- iii. For meningococcal epidemics in Africa what is considered adequate treatment?

### 7. Medicine Digest

- i. How long should resuscitation attempt after cardiac arrest be continued for best rates of survival?
- 10 minutes.
  - 15 minutes.
  - 25 minutes.



- Q1. Answer a, 2 to 3 years..
- ii. To publicly collect and report health data.
- Q2. The study of how a drug interacts with proteins in the body to produce its effects.
- ii. They can never be certain that their dose selection will be effective or safe for an individual patient.
- iii. Tolerance.
- Q3. The study of how a drug is handled in the body.
- i. Answer c, between 30 and 80
- iii. Breast cancer.
- iv. False, it varies by at least 40-fold.
- Q4. Prevention of tuberculosis.
- i. Topical microbicides, voluntary male circumcission, condoms, and pre-exposure prophylaxis.
- iii. Answer c, 23.5 million.
- iv. Answer c, 65%.

- Q5. Skin nodules, ulcers, lymphadenopathy, or bone lesions.
- ii. Deficiency of Vitamin B<sub>3</sub>
- iii. Casal's collar or Casal's necklance.
- iv. True.
- Q6. Answer a, malaria.
- ii. False. The CT scan is normal in most cases.
- iii. A single dose of ceftriaxone or a single dose of oily chloramphenicol.
- Q6. Answer c, 25 minutes.





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