

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.

Q1. Clinical Review: Medicine

- i) In tuberculous meningitis (TBM), what is the benefit of using corticosteroids (eg dexamethasone or prednisolone) as well as anti-tuberculous drugs?
- ii) What is the new WHO advice on the frequency of yellow fever immunisation?
- iii) In adult patients with severe infections (of any source), what is the best body temperature on presentation, to predict greatest survival benefit? Is it:
 - a) <36°C
 - b) 36-38°C
 - c) >38°C
- iv) What three diseases may be associated with loss of the outer third of the eyebrows?

Q2. Clinical Review: STDs

 Name three advantages of point-of-care (POC) testing for sexually transmitted infections.

- ii) What is the gold standard test for Chlamydia trachomatis (CT) and Neisseria gonorrhoeae (NG) and what are some of the drawbacks for resource-limited areas. What do newer tests offer?
- iii) How are mobile phones helping to diagnose STIs?

Q3. Clinical Review: Paediatrics

- i) What is the sodium concentration (in mmol/l) of Normal saline, Half normal saline and Ringer's lactate?
- ii) In what proportion of sick children may antidiuretic hormone (ADH) be raised on admission?
- iii) Why is Ringer's lactate better for maintenance fluid than normal saline

Q5. Medicine: Respiratory symptoms and signs

- i) At what angle should you position the patient when examining the chest?
 - a) 42°
 - b) 45°
 - c) 48°

Answers

their chest.

(y3. i) b) 45°. You should make sure that the parient is comfortable and fully exposed when examining

iii) Because of lower sodium and chloride.

ii) Over one third.

Q3. i) 155; 77; 130.

iii) Mew laboratory technologies – which essentially create a lab-on-a-chip - enable mobile phones to be used to read and transmit patient samples. The results are available very quickly, even in remote locations.

ii) The gold standard tests for CT and MG are nucleic acid amplification tests (MAAIs). While highly sensitive and specific, these tests traditionally require a laboratory infrastructure and trained personnel, necessitate one to several days to obtain results, and can be expensive. Newer MAAT tests are simpler to use, take less time to prepare, and yield results in about 90 minutes.

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Q2.

i) Point-of-care tests permit diagnosis and treatment in partner therapy; they can diagnose asymptomatic infections; they reduce the number of patients lost-to-infections; they reduce the number of patients lost-to-

iv) Leprosy, Syphilis and Hypothyroidism.

iii) The answer is c (>38°C). Recent research confirms that fever benefits mortality outcome in severe sepsis. The 30 day mortality rate (MR) with a presenting temperature >38°C was 11.2%, with a temperature of 36.38°C it was 18.3%, and if temperature was <36°C it was 18.3%, and if temperature was <36°C it was 18.3%, and if temperature was <36°C it was 18.3%.

ii) Repeat vaccination every 10 years have been advised in the past, but WHO now advises that a single vaccination only is required with no need for boosters.

Q1.

i) The definite benefit is of significantly reduced mortality. In those who survive, however, there is no definite evidence of benefit in terms of long-term neurological complications.

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