

The CPD programme for *SAMJ* is administered by Medical Practice Consulting.  
CPD questionnaires must be completed online at [www.mpconsulting.co.za](http://www.mpconsulting.co.za).

**Please note: The change in CPD question format comes from the accreditation bodies, who have informed us that CPD questionnaires must consist of a minimum of 5 questions, 80% of which should be MCQs with a minimum of 4 options and only 20% of which may now be in the form of 'True or false' answers.**

MCQs may be of 'single correct answer' or 'multiple correct answer' format. Where the question states that more than one answer is correct, mark more than one of a, b, c or d (anything from two to all answers may be correct). For example, in Question 2, if you think that a, b and c are correct (note that these are not necessarily the correct answers), mark each of these on the answer form. Where the question states that only one answer is correct, mark the single answer that you think is correct.

**Regarding genetic trends and common *BRCA1/2* pathogenic sequence variants in black African and Indian breast cancer patients**

1. Which cancer occurs most commonly globally? (One answer is correct)
- cervix
  - breast
  - lung
  - ovarian.

**Regarding the antimicrobial susceptibility patterns of diabetic foot ulcers in the South African public healthcare sector**

2. Which one of the following is correct with regard to diabetic foot syndrome? (One answer is correct)
- Diabetic foot syndrome is unlikely to cause hospitalisation.
  - Diabetic foot syndrome is unlikely to result in lower limb amputation.
  - Diabetic foot syndrome may result in a diabetic foot ulcer.
  - Diabetic foot syndrome is found in 20% of patients with diabetes mellitus.

**Regarding acute gastroenteritis and unilateral vision loss leading to a diagnosis of aquaporin-4- IgG seropositive neuromyelitis optica spectrum of disorders in a child**

3. What does neuromyelitis optica preferentially affect? (One answer is correct)
- the optic nerve and spinal cord
  - the facial nerve and brain
  - the trigeminal nerve and pituitary
  - the mandibular nerve and hypothalamus.

**Regarding the association between serum fructosamine and random spot urine fructose levels with the severity of non-alcoholic fatty liver disease**

4. Which one of the following was an enrolment criterion on the the association between serum fructosamine and random spot

urine fructose levels with the severity of non-alcoholic fatty liver disease study? (One answer is correct)

- history of significant alcohol use of many years duration
- minors  $\leq 18$  years old
- history of stavudine intake
- diagnosis with non-alcoholic fatty liver disease as evidenced by imaging or biopsy.

**Regarding the utility of artificial intelligence in identifying radiological evidence of lung cancer and pulmonary tuberculosis**

5. What was the positive predictive value in the study on the utility of artificial intelligence in identifying radiological evidence of lung cancer and pulmonary tuberculosis in a high-burden tuberculosis setting? (One answer is correct)
- 84%
  - 91%
  - 97%
  - 90%.

**Regarding community-led monitoring and the role of Ritshidze in improving the quality of primary healthcare in South Africa**

6. Which one of the following statements is correct regarding health committees? (One answer is correct)
- There is no statute governing their establishment.
  - They are also known as clinic committees.
  - They are the first point of entry into the public system.
  - They are a secondary mechanism for communities to participate in their healthcare delivery.

**Regarding learning in the district health system**

7. What will be necessary to make learning a routine of the South African (SA) district health system? (One answer is correct)
- major structural changes
  - additional resources
  - additional educators
  - leveraging meetings as spaces of learning.

**A maximum of 3 CEUs will be awarded per correctly completed test.**

**INSTRUCTIONS**

- Read the journal. All the answers will be found there, in print or online.
- Go to [www.mpconsulting.co.za](http://www.mpconsulting.co.za) to answer the questions.

Accreditation number: MDB015/MPDP/038/206



The CPD programme for *SAMJ* is administered by Medical Practice Consulting.  
CPD questionnaires must be completed online at [www.mpconsulting.co.za](http://www.mpconsulting.co.za).

**Please note: The change in CPD question format comes from the accreditation bodies, who have informed us that CPD questionnaires must consist of a minimum of 5 questions, 80% of which should be MCQs with a minimum of 4 options and only 20% of which may now be in the form of 'True or false' answers.**

MCQs may be of 'single correct answer' or 'multiple correct answer' format. Where the question states that more than one answer is correct, mark more than one of a, b, c or d (anything from two to all answers may be correct). For example, in Question 2, if you think that a, b and c are correct (note that these are not necessarily the correct answers), mark each of these on the answer form. Where the question states that only one answer is correct, mark the single answer that you think is correct.

8. What are some of the challenges faced by the SA district health system? (More than one answer is correct)
- Because of concentration of power and capacity at the top, it has become a top-heavy structure.
  - Frontline staff at lower levels face unacceptably high workloads.
  - There is a climate of fear and blame.
  - They have not been formally decentralised yet.

**Regarding genetic trends and common *BRCA1/2* pathogenic sequence variants in black African and Indian breast cancer patients**

9. Which one of the following statements apply to sporadic breast cancer? (One answer is correct)
- They usually develop at an advanced age.
  - They are often very aggressive.
  - They do not depend on environmental triggers.
  - They usually have a poor prognosis.

**Regarding the antimicrobial susceptibility patterns of diabetic foot ulcers in the SA public healthcare sector**

10. What method was used in the study on antimicrobial susceptibility patterns of diabetic foot ulcers in the SA public healthcare sector? (One answer is correct)
- blood draws on follow-up visits
  - ulcer swabs on enrolment
  - ulcer swabs on follow-up visits
  - urine collection on enrolment.

**Regarding acute gastroenteritis and unilateral vision loss leading to a diagnosis of aquaporin-4- IgG seropositive neuromyelitis optica spectrum of disorders in a child**

11. What is the pathophysiological mechanism of inflammation in paediatric optic neuritis due to? (One answer is correct)
- cross-reacting of viral and host epitopes
  - cross-reacting of bacterial and host epitopes
  - cross-reacting of fungal and host epitopes
  - cross-reacting of secondary bacterial reactions with host epitopes.

**Regarding the association between serum fructosamine and random spot urine fructose levels with the severity of non-alcoholic fatty liver disease**

12. Which organic acid is released into the hepatic parenchyma as a result of the hydrolysing action of gut bacteria on fructose? (One answer is correct)
- tartrate
  - acetate
  - citrate
  - urate.

**Regarding the utility of artificial intelligence in identifying radiological evidence of lung cancer and pulmonary tuberculosis**

13. Which one of the following statements apply to radiological AI algorithms? (One answer is correct)
- They are currently not well established.
  - They serve several broad image analysis functions.
  - The evidence for its use in pulmonary medicine is not on the increase.
  - Studies suggest that it has the potential to improve the interpretation of chest radiographs.

**Regarding community-led monitoring and the role of Ritshidze in improving the quality of primary healthcare in South Africa**

14. What is community-led monitoring? (One answer is correct)
- a social accountability strategy where communities are positioned as capable agents to realise health and human rights
  - a top-down and bureaucratic manner of monitoring
  - a system where there is no access to patient health data to the monitoring group
  - a system that does not fully recognise the rights of communities.

**Regarding learning in the district health system**

15. What are some of the critical seeds that the SA district health system holds for learning? (More than one answer is correct)
- proximity to the community.
  - locally collected hard data
  - knowledge of context
  - narrow relationships

**A maximum of 3 CEUs will be awarded per correctly completed test.**

**INSTRUCTIONS**

- Read the journal. All the answers will be found there, in print or online.
- Go to [www.mpconsulting.co.za](http://www.mpconsulting.co.za) to answer the questions.

Accreditation number: MDB015/MPDP/038/206

