

CPD questionnaires must be completed online at <https://members.samedical.org/>

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, choose more than one of *i, ii, iii* or *iv* (anything from two to all answers may be correct), and then select the correct combination from answers a, b, c or d. Where the question states that only one answer is correct, mark the single answer that you think is correct.

Regarding the association of tuberculosis active case finding with knowledge, attitudes, stigma and health-seeking behaviour among patients in Eswatini

1. Which of the following organisms is the deadliest globally? (one answer is correct)
- Mycobacterium tuberculosis*
 - Streptococcus pneumoniae*
 - SARS-CoV-2
 - Salmonella typhi*.

Regarding maternal and neonatal outcomes in patients with type 1 diabetes mellitus in pregnancy in a South African cohort

2. What is the peak age of onset of type 1 diabetes mellitus in South Africa (SA)? (one answer is correct)
- ~13 years
 - ~15 years
 - ~20 years
 - ~23 years.
3. Which of the following statements regarding women with gestational diabetes and patients with type 1 diabetes mellitus (T1DM) is correct? (one answer is correct)
- Both women with gestational diabetes and patients with T1DM have the same risk profiles.
 - Women with gestational diabetes are more insulin sensitive than patients with T1DM.
 - Patients with T1DM are at greater risk of hypoglycaemia than women with gestational diabetes.
 - The prevalence of T1DM is 20% and that of gestational diabetes is 30% in SA.

Regarding new case definitions and thresholds for environmental notifiable medical conditions in South Africa

4. From which statutory instrument is the legal basis for disease notification derived in SA? (one answer is correct)
- The Notifiable Diseases Act
 - The National Health Act
 - The Occupational Safety Act
 - The National Health Insurance Act.
5. Which of the following are environmental notifiable medical conditions in SA? (more than one answer is correct)
- botulinum toxin poisoning
 - mercury poisoning
 - lead poisoning
 - pesticide poisoning.

- i, ii, iii, iv*
- i, ii, iv*
- iii, iv*.
- ii, iii, iv*.

Regarding the distribution and demographics of critical care subspecialists for adult patients in South Africa

6. Which of the following statements is correct? (one answer is correct)
- In SA, critical care is a subspecialty, meaning that doctors must first qualify as specialists in fields such as anaesthesia, internal medicine, general surgery and emergency medicine, and can then complete a 1-year fellowship programme in an accredited intensive care unit (ICU).
 - In SA, critical care is a subspecialty, meaning that doctors must first qualify as specialists in fields such as anaesthesia, internal medicine, general surgery and emergency medicine, and can then complete a 2-year fellowship programme in an accredited ICU.
 - In SA, critical care is a subspecialty, meaning that doctors must first qualify as specialists in fields such as anaesthesia, internal medicine, general surgery and emergency medicine, and can then complete a 3-year fellowship programme in an accredited ICU.
 - In SA, critical care is a subspecialty, meaning that doctors must first qualify as specialists in fields such as anaesthesia, internal medicine, general surgery and emergency medicine, and can then complete a 4-year fellowship programme in an accredited ICU.
7. What is the global estimate of the person shortfall of healthcare workers by 2030? (one answer is correct)
- 12 million
 - 14 million
 - 16 million
 - 18 million.

Regarding outcomes of emergency resuscitative thoracotomies in a trauma unit in Johannesburg, South Africa

8. What are some of the factors influencing the outcomes of emergency resuscitative thoracotomies? (more than one answer is correct)
- mechanism of injury
 - location of injury
 - patient's initial physiological state
 - presence of any recordable vital signs.
- i, ii, iii, iv*
 - ii, iii, iv*
 - i, ii, iv*
 - iii, iv*.

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

INSTRUCTIONS

- Read the journal. All the answers will be found there.
- Go to <https://members.samedical.org/> to answer the questions.

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9. What does accessing the left anterior-lateral chest to address immediate life threats involve? (more than one answer is correct)

- i.* decompressing cardiac tamponade
- ii.* performing internal cardiac massage
- iii.* controlling haemorrhage by cross-clamping the superior vena cava
- iv.* facilitating direct control of intrathoracic bleeding.

- a. *i, ii, iii, iv*
- b. *i, iii, iv*
- c. *i, ii, iv*
- d. *ii, iii, iv.*

Regarding the association between reproductive hormones and asthma-related outcomes in boys in the rural Western Cape Province, South Africa

10. Which of the following hormones are associated with reduced asthma symptoms in both males and females? (more than one answer is correct)

- i.* increased levels of androgens
- ii.* increased levels of progesterone
- iii.* increased levels of oestrogen
- iv.* increased levels of thyroxine.

- a. *i, ii, iii, iv*
- b. *i, ii, iii*
- c. *i, ii, iv*
- d. *ii, iii.*

11. Which of the following statements are correct? (more than one answer is correct)

- i.* Boys are twice as likely to develop asthma as girls of a similar age before puberty.
- ii.* Girls are twice as likely to develop asthma as boys of a similar age before puberty.
- iii.* Boys are twice as likely to develop asthma as girls of a similar age after puberty.
- iv.* Girls are twice as likely to develop asthma as boys of a similar age after puberty.

- a. *i, iii*
- b. *ii, iv*
- c. *i, iv*
- d. *ii, iii.*

Regarding the usability of an electronic health record in a public healthcare facility in South Africa

12. What are the potential benefits of electronic health records? (more than one answer is correct)

- i.* reduction of healthcare costs
- ii.* facilitating large-scale data collection and analysis
- iii.* streamlining of clinician workflows
- iv.* reduction of the costs of medicines.

- a. *i, iii, iv*
- b. *ii, iii, iv*
- c. *i, ii, iii*
- d. *ii, iii.*

13. How many patients are registered on the 'Patient Knows Best' platform? (one answer is correct)

- a. 4.3 million
- b. 3.3 million
- c. 2.3 million
- d. 1.3 million.

Regarding deaths from suspected mothball poisoning in children

14. What percentage of paediatric hospitalisations does poisoning account for in SA? (one answer is correct)

- a. 1 - 2%
- b. 3 - 4%
- c. 4 - 5%
- d. 5 - 6%.

Regarding septic arthritis and acute osteomyelitis due to *Fusarium* species in a child with type II Chiari malformation

15. What is the most typical cause of acute septic arthritis in children?

- a. *Fusarium* species
- b. *Staphylococcus aureus*
- c. *Ascomycota*
- d. *Morbillivirus* species.

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