

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

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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 agreement between various non-invasive blood pressure measurement sites in the obese population

1. Which of the following are complications of intraoperative hypotension? (more than one answer is correct)

- i.* myocardial injury
- ii.* dementia
- iii.* renal impairment
- iv.* stroke.

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

2. Which of the following statements is correct? (one answer is correct)

- a. Standard non-invasive blood pressure cuffs improve accuracy over conical rectangular cuffs in obese patients.
- b. Conical non-invasive blood pressure cuffs improve accuracy over standard rectangular cuffs in obese patients.
- c. Conical rectangular cuffs improve accuracy over standard non-invasive blood pressure cuffs in obese patients.
- d. Standard conical blood pressure cuffs improve accuracy over non-invasive rectangular cuffs in obese patients.

Regarding depressive symptoms among community service doctors in South Africa

3. Which of the following are symptoms associated with depression? (more than one answer is correct)

- i.* low energy
- ii.* suicidal ideation
- iii.* hypotension
- iv.* sleep difficulties.

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

4. What is the prevalence rate of depressive symptoms among the general population in South Africa? (one answer is correct)

- a. 15.7%
- b. 25.7%

- c. 35.7%
- d. 45.7%

5. What is depression among healthcare workers associated with? (one answer is correct)

- a. reduction in quality of patient care
- b. healthcare worker hypertension
- c. bipolar disorder in healthcare workers
- c. diabetes mellitus in healthcare workers.

Regarding the clinical profiles and outcomes of patients with herpesviruses in cerebrospinal fluid

6. Which of the following statements about herpesviruses is correct? (one answer is correct)

- a. Herpes simplex virus does not cause encephalitis.
- b. Herpesvirus 6 infection is seldom found in patients who have had a solid-organ transplant.
- c. Epstein-Barr virus infection is uncommon in early life.
- d. Herpes simplex virus 2 is one of the most common causes of aseptic meningitis in adults.

7. What could the presence of Epstein-Barr virus DNA in cerebrospinal fluid signify? (more than one answer is correct)

- i.* active infection with Epstein-Barr virus
- ii.* inert Epstein-Barr virus
- iii.* the presence of vasculopathy
- iv.* Epstein-Barr virus reactivation in the presence of another central nervous system (CNS) pathogen.

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

8. Which of the following statements are correct regarding herpesvirus 6 infection of the CNS? (more than one answer is correct)

- i.* Herpesvirus 6 disease of the CNS is seen infrequently.
- ii.* Herpesvirus 6 disease of the CNS is normally found in the context of severe T-cell depletion.
- iii.* If herpesvirus 6 disease occurs, encephalitis is not the major neurological clinical syndrome.
- iv.* Herpesvirus 6 disease is frequently associated with meningoencephalitis.

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

INSTRUCTIONS

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

Accreditation number: MDB015/MPDP/038/491



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

Regarding doxorubicin-induced early-onset chronic progressive cardiotoxicity, pharmacogenetics and survival among breast cancer patients

9. Which is the most common cancer among females in sub-Saharan Africa? (one answer is correct)

- a. cervical cancer
- b. endometrial cancer
- c. breast cancer
- d. ovarian cancer.

10. Which of the following interventions form a significant component of precision oncology? (one answer is correct)

- a. robot-guided cancer surgery interventions
- b. pharmacogenetic biomarker-guided cancer interventions
- c. magnetic resonance imaging-guided cancer surgery interventions
- d. computed tomography-guided cancer interventions.

11. What is the aim of cancer intervention? (one answer is correct)

- a. to maximise tumour control with minimum toxicity
- b. to maximise tumour control with minimum invasive surgery
- c. to maximise tumour control with chemotherapy
- d. to maximise tumour control with radiotherapy.

Regarding the impact of the COVID-19 pandemic on maternal mortality in a South African metropole

12. Which of the following statements is true regarding maternal mortality? (one answer is correct)

- a. Maternal deaths in South Africa remained unchanged during the COVID-19 pandemic.
- b. Sustainable Development Goal 3.1 aims to decrease the global maternal mortality ratio to 100/100 000 live births.
- c. There has been no progress in lowering maternal mortality over the last 20 years.
- d. Maternal deaths in SA increased notably during the first 2 years of the COVID-19 pandemic.

13. Which of the following statements are correct regarding pregnant women and COVID-19? (more than one answer is correct)

- i.* Pregnant women were not more likely to acquire SARS-CoV-2 infection than the general population.
- ii.* Pregnant women were at risk of severe COVID-19 illness due to the immunosuppressive changes of pregnancy.
- iii.* Pregnant women were at risk of severe COVID-19 illness due to the cardiorespiratory changes of pregnancy.
- iv.* Pregnant women were at risk of severe COVID-19 illness due to the renal changes of pregnancy.

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

Regarding analysis of adverse events following COVID-19 vaccination and infection

14. What are some of the severe adverse events of COVID-19 vaccines? (more than one answer is correct)

- i.* anaphylaxis
- ii.* myocarditis
- iii.* thrombosis
- iv.* pancreatitis.

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

Regarding a rare case of paraneoplastic dermatomyositis secondary to smouldering multiple myeloma referred for proteinuria

15. What is dermatomyositis? (one answer is correct)

- a. an inflammatory myopathy that may form part of a paraneoplastic presentation secondary to various malignancies
- b. an inflammatory eumyotrophy that may form part of a paraneoplastic presentation secondary to various malignancies
- c. a non-inflammatory myopathy that may form part of a paraneoplastic presentation secondary to various malignancies
- d. a non-inflammatory eumyotrophy that may form part of a paraneoplastic presentation secondary to various malignancies.

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