

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 the utility of a smartphone electronic referral application in facilitating telemedicine in pulmonology

1. What did the 2016 national mortality data reveal about respiratory diseases in South Africa (SA)? (one answer is correct)
- They were the 8th leading cause of death.
  - They were the 7th leading cause of death.
  - They were the 6th leading cause of death.
  - They were the 5th leading cause of death.

2. What are some of the benefits of telemedicine? (more than one answer is correct)
- It expedites urgent referrals.
  - It reduces unnecessary clinic visits.
  - It improves consistency of care.
  - It improves access to care.

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

3. What are some of the potential barriers to the adoption of the Vula app and its acceptance by physicians? (more than one answer is correct)
- government policies
  - concerns around costs
  - attitudes towards technology in medicine
  - concerns around its usefulness.

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

#### Regarding the association between comorbid conditions and CD4+ T-cell counts with in-hospital mortality of patients with moderate to critical COVID-19 disease

4. What percentage of individuals with SARS-CoV-2 experience mild symptoms and recover completely? (one answer is correct)
- >80
  - <40
  - >90
  - <45.

5. Which of the following markers that are used to predict the severity of COVID-19 are not freely accessible in SA due to resource constraints? (more than one answer is correct)
- C-reactive protein
  - interleukin 6
  - tumour necrosis factor-alpha
  - CD4+ T cell count.

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

6. What factors increased the risk of in-hospital mortality in the 2021 COVID-19 national cohort study in SA? (more than one answer is correct)
- age
  - sex
  - comorbidities
  - being a research participant.

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

#### Regarding trends in hypertension prevalence among adults aged ≥40 years in Agincourt

7. Which of the following statements are correct regarding primary hypertension? (more than one answer is correct)
- It accounts for 90 - 95% of all cases of hypertension.
  - It can result from kidney disease.
  - It is associated with psychosocial stress.
  - It can result from the use of certain medications.

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

8. Approximately how many adults between 30 and 79 years of age are affected by hypertension globally? (one answer is correct)
- 2.19 billion
  - 1.93 billion
  - 1.45 billion
  - 1.39 billion.

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

#### INSTRUCTIONS

- Read the journal. All the answers will be found there.
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9. In the study, what were the key predictors of hypertension? (more than one answer is correct)

- i.* high body mass index
- ii.* formal education
- iii.* no formal education
- iv.* frequent alcohol consumption.

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

**Regarding a 5-year retrospective study to determine the spectrum of crescentic glomerulonephritis in three tertiary hospitals in Gauteng Province, SA**

10. Which of the following statements is incorrect regarding rapidly progressive glomerular nephritis? (one answer is correct)

- a. It is a clinical syndrome that is seen quite frequently.
- b. It is caused by glomerulonephritis that results in rapid decline in kidney function over a period of weeks to months.
- c. The clinical presentation is of nephritic syndrome.
- d. Kidney function is usually deranged at time of presentation.

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

- i.* It is characterised by the presence of anti-GBM antibodies.
- ii.* It is immune complex-mediated rapidly progressive glomerulonephritis.
- iii.* It is characterised by negative immunofluorescence.
- iv.* Myeloperoxidase and proteinase 3 are the most targeted antigens.

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

12. Which of the following statements is correct regarding rapidly progressive glomerular nephritis and what is seen in everyday clinical practice in Africa? (one answer is correct)

- a. Most patients are young black males with lupus nephritis.
- b. Most patients are young black females with lupus nephritis.
- c. Most patients are elderly black males with lupus nephritis.
- d. Most patients are elderly black females with lupus nephritis.

**Regarding achieving community-oriented primary healthcare through collaborative learning**

13. What challenges were encountered when the National Health Insurance (NHI) reform initiatives, including primary healthcare re-engineering, were piloted in selected districts nationwide? (more than one answer is correct)

- i.* limited resources
- ii.* fragmented service delivery
- iii.* inadequate planning
- iv.* poor communication.

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

**Regarding veno-arterial extracorporeal membrane oxygenation (VA-ECMO) for refractory calcium channel blocker overdose**

14. What is the mortality rate with calcium channel blocker overdose? (one answer is correct)

- a. 15%
- b. 25%
- c. 35%
- d. 45%.

**Regarding a call to action on a South African prevention of fetal alcohol spectrum disorder programme**

15. Which of the following are included in the umbrella term fetal alcohol spectrum disorder? (more than one answer is correct)

- i.* alcohol-related neurodevelopment disorder
- ii.* alcohol-related birth defects
- iii.* fetal alcohol effects
- iv.* fetal alcoholic liver disease.

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

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