

February 2010 – Review articles

CPD questionnaires must be completed online via www.cpdjournals.org.za. After submission you can check the answers and print your certificate. Questions may be answered up to 6 months after publication of each issue.

CURRENT RESISTANCE ISSUES IN ANTIMICROBIAL THERAPY

- 1. True (A) or false (B) – fill in only block A or B:**
Penicillin-resistant *Streptococcus pneumoniae* (PRSP) has emerged during the last few decades, complicating therapy for these infections.
- 2. True (A) or false (B) – fill in only block A or B:**
Community-acquired methicillin-resistant *Staphylococcus aureus* (CA-MRSA) can cause soft-tissue infections that may resemble spider bites.
- 3. True (A) or false (B) – fill in only block A or B:**
Gram-negative bacteria have now evolved pan resistance, i.e. resistance to all antimicrobial classes.

PSYCHOSOCIAL CANCER CARE

- 4. True (A) or false (B) – fill in only block A or B:**
It is unusual for patients to find the transition from patient to person at the end of treatment difficult.
- 5. True (A) or false (B) – fill in only block A or B:**
Patients' experiences of losses related to cancer are limited to physical changes and losses.
- 6. True (A) or false (B) – fill in only block A or B:**
Attentive listening is a skill that can be practised and used effectively by medical professionals to support people facing cancer.

THE ALLERGIC MARCH

- 7. All of the following are true except:**
 - A. The allergic march is the progression from eczema to asthma
 - B. Asthma may occur before eczema
 - C. Girls are more susceptible to the allergic march than boys
 - D. Eczema is the atopic condition that usually occurs first
 - E. The allergic march is also referred to as the atopic march.
- 8. All of the following are true except:**
 - A. The skin sensitisation occurring in eczema appears to be the trigger for the allergic march
 - B. Eczema usually precedes the other allergic conditions
 - C. Rural children are more susceptible to the allergic march
 - D. Urban children are more susceptible to the allergic march
 - E. Exposure to bacterial endotoxins is beneficial for potentially allergic children.
- 9. All of the following are true except:**
 - A. Prolonged breastfeeding may delay or prevent the onset of the allergic march
 - B. Hypoallergenic milk will prevent the onset of the allergic march
 - C. Delayed introduction of solid foods (>6 months) is beneficial
 - D. Early treatment of eczema is beneficial
 - E. Probiotics hold much promise in preventing the allergic march.

CERVICAL CANCER IN SOUTH AFRICA: AN OVERVIEW OF CURRENT STATUS AND PREVENTION STRATEGIES

- 10. True (A) or false (B) – fill in only block A or B:**
HPV types 16 and 18 are thought to cause 70% of cervical cancers worldwide.
- 11. True (A) or false (B) – fill in only block A or B:**
The new vaccines prevent both persistent HPV infection with the types included in the vaccine and pre-invasive lesions in the anogenital tract that are associated with the HPV types present in the vaccine.
- 12. True (A) or false (B) – fill in only block A or B:**
Both cervical cancer vaccines are prophylactic and should be administered before infection.

HEALTH CARE FINANCING IN SOUTH AFRICA: MOVING TOWARDS UNIVERSAL COVERAGE

- 13. True (A) or false (B) – fill in only block A or B:**
South Africa contributes about half of the total economic output in sub-Saharan Africa but its income inequality is not only one of the highest in the world but is worsening.
- 14. True (A) or false (B) – fill in only block A or B:**
There are over 120 distinct medical schemes operating in South Africa covering different population pools, resulting in a general lack of cross-subsidisation in the overall medical schemes environment.
- 15. True (A) or false (B) – fill in only block A or B:**
Private medical schemes will still be allowed under the proposed NHI, but will have to be paid for over and above the mandatory contribution to the NHI.

DIABETIC KIDNEY DISEASE: ACT NOW OR PAY LATER

- 16. True (A) or false (B) – fill in only block A or B:**
The increase in prevalence in diabetes will be greater in the developing world.
- 17. True (A) or false (B) – fill in only block A or B:**
Diabetes is the primary diagnosis causing kidney disease in 20 - 40% of people starting treatment for end-stage renal disease worldwide.
- 18. True (A) or false (B) – fill in only block A or B:**
Early therapeutic intervention in patients with chronic kidney disease or diabetes can delay onset of complications and improve outcomes.

METHAEMOGLOBINAEMIA: MYSTERY OF THE CHOCOLATE-BROWN BLOOD

- 19. True (A) or false (B) – fill in only block A or B:**
Methaemoglobin refers to haemoglobin whose haem irons have been oxidised from the normal Fe²⁺ ferrous haem state to the Fe³⁺ ferric haem state.
- 20. True (A) or false (B) – fill in only block A or B:**
Methaemoglobinaemias are either hereditary or acquired, and arise from increased production or decreased removal of methaemoglobin.