

CPD Challenge

Questions

Were you paying attention? Test your retentive capacities on issues raised in this edition of *Africa Health*. You can quietly test yourself, or – and we're particularly keen on this – you could make it a part or the foundation of a Journal Club in your department or health institution. Life-long learning is a collaborative exercise and the whole health team can be positively stimulated by being involved in such discussion.

Q1. Magnetic filter offers the potential of treating malaria without drugs

- i) Which African countries are worst affected by malaria?
- ii) How does the MediSieve Filter work?
- iii) What percentage of infected cells did the MediSieve remove in the initial trials?
 - a) 70%
 - b) 90%
 - c) 97%

Q2. Manufacturing mosquito nets in Africa: can we do more?

- i) How many insecticide-treated nets (ITNs) did Rwanda need in 2015-16?
 - a) Less than three million
 - b) Between three million and six million
 - c) Above six million
- ii) How many long-lasting insecticide-treated net (LLIN) manufacturers are listed on the World Health Organization website?
 - a) 12
 - b) 16
 - c) 19
- iii) NetMark Nigeria enables who can receive a discount voucher worth US\$2 on the purchase of an ITN?

Q3. Medicine: Drugs of abuse

- i) The 2012/13 crime survey for England and Wales reported that the adult population used illicit drugs last year, but what was the percentage?
 - a) 13.9%
 - b) 3.2%
 - c) 8.2%

- ii) What are the major health risks from using depressants?
- iii) What type of drugs are these: MDMA, ecstasy and crystal meth?
- iv) What is a common clinical effect of cannabinoid receptor agonists?
- v) What are the early features of toxicity?

Q4. Clinical Review: Pharmacy

- i) What does the term polypharmacy mean?
- ii) Name four of the seven stages for assessing polypharmacy
- iii) When was the pain relief ladder originally published?

Q5. Clinical Review: Public Health

- i) What is the single most important intervention in preventing yellow fever?
- ii) How many doses of the yellow fever vaccine have been sent to Angola since February this year?
 - a) More than 10 million
 - b) More than 11 million
 - c) More than 15 million
- iii) How do large epidemics like yellow fever occur?

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Answers

mosquitoes transmit the virus from person to person'. to lack of vaccination. In these conditions, intected where most people have little or no immunity, due populated areas with high mosquito density and vlivsed people introduce the virus into heavily iii) WHO explains that, 'Large epidemics occur when

cratic Republic of the Congo. this year and more than two million to the Demovaccine have been sent to Angola since February ii) b) More than 11 million doses of the yellow fever

prevention of outbreaks'. vaccinated. Yellow fever control is based on the provides immunity within one week in 95% of those fever. Yellow fever vaccine is safe and effective and most important measure for preventing yellow i) WHO advocates that, 'Vaccination is the single

internationally for all types of pain. ladder has been so successful that it is being used 1985 as a guide to control cancer pain. The pain

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iii) The pain relief ladder was originally published in

relevant parties. dose, continue, or start; and Communicate with all individual patient; Agree actions to stop, reduce the potential risks; Assess the risks and benefits for the medication review; Identify the medicines with stages: Assess the patient; Define the goals of the ii) Polypharmacy may be assessed using these seven

cations taken without an obvious diagnosis). taking more than four or five medications (or medii) Polypharmacy is the term given to include patients

alcohol or other sedatives are involved. respiratory depression may develop, especially if myoclonus. Coma with reduced tendon reflexes and with drowsiness, urinary incontinence, tremor and disturbances, progressing to confusion and agitation tion, ataxia, hypersalivation and gastrointestinal v) Early features of toxicity include headache, agita-

classification difficult.

synthetic cannabinoid receptor agonists, making and later depressant effects are also observed with nabinoid receptor agonists. Although early stimulant iv) Hallucinations are a common clinical effect of can-

methamphetamine ('crystal meth'). dioxymethamphetamine (MDMA, ecstasy), and and related compounds. They are 3,4-methylene-

iii) MDMA, ecstasy and crystal meth are amphetamines

rhabdomyolysis. muscles may result in blistering, pressure sores or and respiratory arrest. Pressure damage to skin and compromise, progressing to aspiration pneumonia sant effects are respiratory depression and airway ii) The major risks from use of drugs with depres-

reported use of a class A drug. i) c) 8.2% of the adult population (16–59 years) re-

ported illicit drug use in the last year, including 2.8% Q3[.]

ers were issued and 50000 redeemed. receive these discount vouchers. Over 74 000 vouchsix local Government area clusters in Lagos State to antenatal clinics in Primary Health Care facilities in iii) NetMark Nigeria enables pregnant women attending

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the on the listed on the bixteen (16) LLIM manufacturers are listed on the

placement and provision to pregnant women in 2017. needed for 2015-16, with at least a million more for rei) c) Above six million. In fact, 7412937 nets were .ZD

moved from the patient's bloodstream in under four iii) Ninety per cent (90%) of infected cells were re-

from a patient's bloodstream. cally removes malaria-infected blood cells directly

ii) The MediSieve Filter is a magnetic sieve that physi-

Congo, and Tanzania. i) Nigeria, Chana, Uganda, Democratic Republic of

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