

## Medical Quiz

---

### Medical Quiz: Single Best Answer (SBA)

Ahmed JU<sup>a</sup>

(*BIRDEM Med J* 2017; 7(2): 173)

#### Question No. 01

A 30-year-old woman presented with a 1-week history of progressive shortness of breath and fever. On further questioning, she mentions that her hands have been painful and stiff over the past few months and she has been having recurrent mouth ulcers. Chest x-ray confirms bilateral pleural effusions and blood tests reveal a raised ESR and a normal CRP. What is the most likely diagnosis?

- A. Systemic lupus erythematosus (SLE)
- B. Systemic sclerosis
- C. Sjögren's syndrome
- D. Discoid lupus
- E. Bechet's disease

#### Question No. 02

A 70-year-old woman complains of tiredness, fatigue and weight loss. Blood tests reveal an elevated WBC count and on examination splenomegaly is present. Cytogenetics are positive for the Philadelphia chromosome and the patient is diagnosed with chronic myeloid leukemia. The most appropriate treatment is:

- A. Hydroxycarbamide
- B. Imatinib
- C. Venesection
- D. Stem cell transplant
- E. Dasatinib

#### Question No. 03

A 71-year-old man with atrial fibrillation presented to emergency following an episode of syncope. He describes getting a poor night's sleep and, as he got out of bed in the morning, feeling dizzy for a couple of seconds before the lights dimmed around him. He was woken a couple of seconds later by his wife who had witnessed the event. She says he went pale and fell to the floor and his arms and legs jerked. After waking, he was shaken but was 'back to normal' a few minutes after the event. His medication includes aspirin, atenolol and frusemide. What is the most likely diagnosis?

---

#### Author Information

Dr. Jamal Uddin Ahmed, Assistant Professor of Medicine, BIRDEM & IMC

- A. Vasovagal syncope
- B. Orthostatic hypotension
- C. Cardiogenic syncope
- D. Transient ischemic attack (TIA)
- E. Seizure

#### Question No. 04

A 55-year-old man has presented to his GP complaining of several episodes of spontaneous facial blushing. In addition, he mentions he has had several episodes of watery diarrhea. On examination of the cardiovascular system, giant v waves are noted on observation of the jugular venous pressure. In addition, a pansystolic murmur is heard in the lower sternal edge on inspiration. Examination of the gastrointestinal system reveals an enlarged, irregular, non-tender liver edge. What is the most likely diagnosis?

- A. Superior vena cava obstruction
- B. Carcinoid tumor
- C. Carcinoid syndrome
- D. Pheochromocytoma
- E. Conn's syndrome

#### Question No. 05

A 90-year-old man presented with a 2-week history of fever, lethargy and night sweats. He has recently had crowns fitted at the dentists. He has a medical history of hypertension, gout and type 2 diabetes mellitus. On examination his temperature is 39°C, his pulse is 120 bpm and splinter hemorrhages are seen in the nails. On auscultation of the heart a pansystolic murmur is audible. A diagnosis of infective endocarditis is suspected and blood cultures are taken. What organism is most likely to be grown?

- A. Staphylococcus aureus
- B. Staphylococcus epidermidis
- C. Actinobacillus
- D. Enterococcus faecalis
- E. Streptococcus viridans