

Medical Quiz

Medical Quiz: Single Best Answer (SBA)

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Question No. 01

A 23-year-old woman complains that her right leg has become progressively stiff and clumsy over the last couple of weeks. On examination, tone is increased and there is a catch at the knee. She has six beats of clonus and an upgoing plantar. Power is reduced to 3-4/5 in the right leg flexors. There is no sensory involvement and the rest of the neurological exam is normal other than a pale disc on ophthalmoscopy. On further questioning, she admits that she has had two episodes of blurred vision in her right eye in the last two years. Each lasted a couple of weeks from which she fully recovered. What is the most appropriate initial treatment?

- A. A non-steroidal anti-inflammatory drug (NSAID)
- B. Interferon-beta
- C. Bed rest
- D. Glatiramer acetate
- E. A course of oral steroids

Question No. 02

A 27-year-old woman presents to the emergency complaining of sudden onset shortness of breath, right-sided pleuritic chest pain and hemoptysis. She has a past medical history of three miscarriages and a deep venous thrombosis in the right leg. CTPA confirms a large pulmonary embolism. What is the most likely underlying diagnosis?

- A. SLE
- B. Primary anti-phospholipid syndrome
- C. Raynaud's disease
- D. Systemic sclerosis
- E. Bèçhet's disease

Question No. 03

A 57-year-old man is reviewed in a hypertension clinic, where it is found that his blood pressure is 165/105 mmHg despite standard doses of amlodipine, perindopril, doxazosin and bendroflumethiazide.

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Electrolytes and physical examination have been, and remain, normal. Which of the following would be your next stage in his management?

- A. Arrange for his medication to be given under direct observation
- B. Add spironolactone to his medication
- C. Arrange urinary catecholamine assays
- D. Request an adrenal CT scan
- E. Add verapamil to his medication

Question No. 04

A 30-year-old woman aid worker, who has returned from a trip to Cox's bazar Rohingya camp 1 day ago, presents to accident and emergency with profuse watery diarrhea. This started suddenly and she describes her stool as being profuse and colorless. On examination her pulse is 120 bpm. What is the most appropriate treatment for the patient?

- A. Rehydration with oral rehydration solutions
- B. Rehydration with intravenous fluids
- C. Rehydration with oral rehydration solutions plus oral azithromycin
- D. Rehydration with intravenous fluids plus oral azithromycin
- E. Oral azithromycin

Question No. 05

A 26-year-old man with a past medical history of asthma presents to accident and emergency with difficulty breathing. He has a respiratory rate of 35 bpm, heart rate 120 bpm and difficulty in answering questions. On auscultation, a polyphonic wheeze is heard and SpO₂ is 90 per cent. The patient is unable to perform a peak expiratory flow rate (PEFR). The most appropriate immediate treatment is:

- A. Nebulized adrenaline
- B. IV magnesium sulphate
- C. 100 percent oxygen inhalation
- D. Salbutamol nebulizer
- E. Oral prednisolone