

Medical Quiz

Medical Quiz: Single Best Answer (SBA)

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Question No. 01

A 75-year-old male was being investigated for hyponatremia, weight loss and hemoptysis. A mass lesion was detected on a CT-chest scan which has been biopsied and sent for histological analysis. From the list below, select the most likely type of bronchogenic carcinoma that would explain the above patient's symptoms:

- A. Large cell carcinoma
- B. Small cell carcinoma
- C. Adenocarcinoma
- D. Squamous cell carcinoma
- E. Alveolar cell carcinoma

Question No. 02

A 65-year-old woman presents to emergency with sudden onset pain and swelling in the left knee joint. On examination, she is afebrile and the left knee is swollen. There is reduced range of movement in the knee due to swelling and pain. X-ray of the right knee shows chondrocalcinosis. Microscopy of the fluid aspirated from the joint is most likely to show:

- A. Rhomboidal, weakly positively birefringent crystals under polarized light microscopy
- B. Needle-shaped negatively birefringent crystals under polarized light microscopy
- C. Atypical mononuclear cells
- D. Reed Sternberg cells
- E. Tophi

Question No. 03

A 60-year-old woman suffers significant bleeding during a difficult uterine surgery and is advised three units of blood transfusion after the operation is completed. It is the first time she has required a blood transfusion and

her details are checked carefully. Approximately 4 hours after the transfusion the patient feels acutely unwell and complains of fever, chills and a dry cough. Blood pressure is 110/80 mmHg, temperature 38°C and oxygen saturation is 94 per cent. The most likely diagnosis is:

- A. Immediate haemolytic transfusion reaction
- B. Febrile non-haemolytic transfusion reaction
- C. Delayed haemolytic transfusion reaction
- D. IgA deficiency
- E. Transfusion-related lung injury

Question No. 04

A four-year-old boy presents, with his mother, to the pediatric OPD with a 2-day history of fevers, vomiting and diarrhea. His mother mentions that several other children at the nursery have been off sick this week with the same problem. What is the most likely cause?

- A. Enterotoxigenic E. coli
- B. Salmonella
- C. Rotavirus
- D. Influenza
- E. Shigella

Question No. 05

A 24-year-old woman presents with one-month history of intense burning and itch in her buttock area. On examination, there are patches of small erythematous papulo-vesicular blisters in the buttock area. There is obvious evidence of scratching with some areas of bleeding. Which one of the following conditions is associated with this dermatological presentation?

- A. Inflammatory bowel disease (IBD)
- B. Irritable bowel syndrome
- C. Coeliac disease
- D. Varicella zoster virus
- E. Herpes simplex virus

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