

INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO, RAJAGIRIYA

BUMS LEVEL IV – SECOND SEMESTER EXAMINATION – MAY 2016

PRINCIPLES OF CLINICAL MEDICINE - II

COURSE CODE – AS 4204

Time: 2 1/2 hours

14. 06. 2016

9.45 a.m. – 12.15 p.m

Index No

Answer all questions.

**Part I - Structured Questions**

1. A 37 year old patient present with sudden onset of left sided back pain ,dysuria and frequency of micturition for one day duration. He had no fever or no macroscopic haematuria.He is a married father of 3 children, felt well and had no history of any medical problems at all. He is a lifelong nonsmoker and drinks very little alcohol. Clinical examination is entirely normal.

a. What are the 3 potential causes for his symptoms ? ( 1.5marks )

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b. What basic investigations would you request at this stage? ( 1.5marks )

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The urine microscopy confirms the presence of red cells in the urine, but there are no other cells and no casts. Urine culture was negative and renal function was normal

c. What is the most likely diagnosis of this patient? (1.5marks )

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d. What should you do in the first instance to relief the symptoms? (1.5marks )

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e. What radiological investigation should be requested in this patient? (1 mark)

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f. Name three important complications you would expect in this patient? (1.5 marks)

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g. Outline your management in three steps? (1.5 marks)

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02. 72 year old chain smoker presents to his GP with one month history of cough with occasional haemoptysis.

a. What is the most possible three differential diagnosis for this patient? (1.5 marks)

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b. If you need more details about the history, what are the important three questions which you would ask from the patient? (1.5 marks)

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c. What are the important three blood test you would order for this patient? (1.5 marks)

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d. What are the imaging required for this patient? (1.5marks )

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e. What are the complications you would expect in this patient? ( 2 marks)

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f. What are the paraneoplastic features you may expect in this patient? (2 marks)

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### Part II – Essay Questions

01.

A 38-year-old woman complained to her doctor that **she 'always felt cold'**, and that she had become increasingly clumsy. Although she made no other complaint, her husband had noticed increasing physical and mental lethargy in recent months. Her mother suffered from pernicious anaemia in the past.

On examination her skin was dry, her voice was hoarse and her hair was coarse and brittle. Her pulse rate was 58/min, with a blood pressure of 140/70mmhg. Her tendon reflexes showed a markedly delayed relaxation phase.

1. Is there any relationship between family history of pernicious anaemia and the above symptoms? ( 2 marks )
2. What could be the most probable diagnosis? ( 6 marks )
3. What are the investigations would you request to confirm the diagnosis? (4 marks )
4. What are the other investigations would be useful during her follow up ? (4 marks )
5. List out the complications which could occur in this patient if not treated properly? (4 marks )

02. A 32 years old officer, presented to her GP with 1 month history of bilateral numbness in hands and feet, as well as fatigue and mild generalized motor weakness. She had noticed some blurred vision over the previous 2 weeks.

On further questioning she was admitted to the hospital for experiencing similar but milder symptoms during the warm weather of the previous summer months.

1. What disease do these clinical features suggest? (6 marks)
2. What is the pathogenesis in this condition? (2 marks)
3. What specific investigations would you request? (4 marks)
4. What are the diseases mimics the above illness in imaging? (4 marks)
5. What are the complications would you expect in this patient? (4 marks)

03. A 60 year old man was recovering from a myocardial infarction in hospital. Five days after transfer from the coronary care unit to a general ward, he woke up one morning with severe pain in his left leg. The house officer was called and made the following note: "complained of pain in left leg. Pain became progressively worse over the next 2 hours; no obvious swelling or calf tenderness. pulse 125/min irregular; BP 120mmhg;no features of cardiac failure".

1. What important observations were not recorded by the house officer? (2 marks)
2. Give two possible causes for the leg pain? (4 marks)
3. What are the investigations would you order in this patient to confirm the diagnosis? (6 marks)
4. What are the complications would you expect in this patient? (4 marks)
5. How do you outline the management for this patient? (4 marks)

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