



الجامعة
باليمن (٢٥)
٧ نوفمبر ٢٠١٥

Novem. Exam. 26/11/2015

Fayoum University

Time allowed: 3 Hours

Faculty of medicine

Final M.B.B.Ch. Examination

Internal Medicine (paper 11)

All questions are answered (150 marks):

1- A 28-year-old female presented with a 6-week history of swelling of the face, hands and legs. The swelling was worse towards the evenings. On examin. Bl P 120/80 mmHg, pulse 78/min. regular. JVP not raised and she was not dyspneic. She had mild peri-orbital puffiness but marked pitting edema of both legs. There was no clinically detectable ascites, hepatosplenomegaly or signs of chronic liver disease. Lab. results: serum total protein 4.8 g/dl, albumin 2.1 g/dl. Urine analysis : protein +++.

- What are the causes of hypoalbuminemia? (5 marks)
- What is your diagnosis? Justify (4 marks)
- What four further investigations will help your diagnosis? (4 marks)
- Give five important causes of this disease in adults (5 marks)
- What are the complications of nephrotic syndrome? (8 marks)
- What is meant by non-pitting edema? Its causes (4 marks)

2- A 27-year-old male patient presented with low back pain that is worse in the morning, and pain in his left knee. This had started three weeks previously and had developed sore eyes. Both his grand father and uncle had suffered from back trouble. On examin. he had limitation of movement of the lower back due to pain and his left knee was swollen and tender. There was bilateral iritis. X-ray of his sacro-iliac joints showed sclerosis and erosions of the lower joint margins.

- Give four causes of sacro-iliitis (4 marks)
- What is the most likely diagnosis? Justify (4 marks)
- What are the other investigations to help the diagnosis? (3 marks)
- Name four non-musculo-skeletal complications of your diagnosis (4 marks)
- How would you differentiate between RA and sero-negative spondyloarthritides? (10 marks)

3- A 68-year old man presented with a 3-month history of frequent falls and poor mobility. On examin. he was found to be mentally alert, Bl.P 160/90 mmHg, pulse 78/min. regular. He had starring look with infrequent blinking and poor expression on his face, his voice was soft and quiet. He was noted to have tremors of his Rt thumb and fingers at rest. The muscle tone was increased in all of his limbs.

- What are the causes of hand tremors? (10 marks)

b) What is your diagnosis? Justify (4 marks)

c) Enumerate the causes of parkinsonism (6 marks)

d) What is meant by: (10 marks)

- paralysis agitans
- bradykinesia
- hemiballismus
- myoclonus
- Huntington's disease

4- Enumerate 5 causes for each: (25 marks)

- a) Raynaud's phenomenon
- b) sensory neuropathy
- c) Chronic renal failure
- d) Polyarthritis
- e) Metabolic acidosis

5- What is the treatment of the following: (25 marks)

- a) Systemic sclerosis
- b) Trigeminal neuralgia
- c) Hyperkalemia
- d) Myasthenia Gravis
- e) Acute tubulo-interstitial nephritis

6- Give short account on: (15 marks)

- a) Pseudogout
- b) Renal osteodystrophy disease
- c) Pseudo-bulbar palsy.

Good Luck,