

UNIVERSITY OF JAFFNA, SRI LANKA
FINAL EXAMINATION FOR MEDICAL DEGREES – NOVEMBER 2013
Surgery Paper – II

Date: 21-11-2013

Time allowed: 3½ hours

Answer all TEN questions

Answer each **PART** in separate answer book

Part A

01) A 40 year old female presented with solitary nodule of the thyroid. FNAC revealed Follicular Neoplasm.

1.1. Briefly outline the management of this patient. (50 marks)

1.2. Mention the immediate complications which may occur within 24 hours of total thyroidectomy (15 marks)

1.3. How do you manage the above complications? (35 marks)

02) A 26 year old teacher presented in emergency with her husband with a history of pain in the right iliac fossa, fever and vomiting for last five days. On examination there is a palpable mass in the right iliac fossa.

2.1. What will be your differential diagnosis? (15 marks)

2.2. What further information will you obtain from the history? (20 marks)

2.3. Mention the investigations you will perform with reasons. (25 marks)

2.4. How will you manage this lady? (40 marks)

Part B

03) Write short notes on :

3.1. Carbuncle (25 marks)

3.2. Diaphragmatic hernia (25 marks)

3.3. Malrotation of gut (25 marks)

3.4. Intussusception (25 marks)

04) A 50 year old male patient presented to the surgical clinic with swollen left leg and foot. He had constant dull ache and occasional episodes of skin excoriation and weeping. He had non pitting oedema over the ipsilateral leg and foot, which showed no significant reduction upon elevation. He did not have pain in the calf and neither had features of cellulitis.

- 4.1. What is the most possible diagnosis (05 marks)
- 4.2. How can you grade this clinical condition (10 marks)
- 4.3. Enumerate the causes for this problem (15 marks)
- 4.4. List the investigations that you will request to this patient (15 marks)
- 4.5. Outline the management principles of this patient (40 marks)
- 4.6. Mention the complications that arise from this clinical condition (15 marks)

Part C

05) A sixty seven year old heavy smoker presents to the emergency unit with a two day history of painless hematuria. For the preceding six months he also had symptoms of urinary frequency, urgency and slightly reduced urinary stream.

- 5.1. What are the two most likely causes for the hematuria? (10 marks)
- 5.2. What are the important points in the clinical assessment of this patient? (30 marks)
- 5.3. What investigations will you carry out to diagnose the cause of the hematuria? (20marks)
- 5.4. What is the treatment for **any one** of the causes you mentioned for 5.1? (40 marks)

06) Write short notes on the following:

- 6.1. Phimosis in children (25 marks)
- 6.2. Benefits of day case surgery (25 marks)
- 6.3. Factors that increase the risk of post operative abdominal wound dehiscence (25 marks)
- 6.4. Informed consent (25 marks)

Part D

07) A 52 year old multi-parous perimenopausal woman presented with a 3 cm diameter lump in the upper outer quadrant of her left breast. Palpable mobile lymph nodes were also seen in her left axilla. Consultant Surgeon examined her and said that, it is clinically a malignant lump.

- 7.1. What are the clinical features suggestive that, it is a malignant lump? (20 marks)
- 7.2. How would you further investigate this lady? (20 marks)
- 7.3. What is the stage of the disease on clinical ground? (15 marks)
- 7.4. Outline the treatment plan of this lady. (30 marks)
- 7.5. Mention the advises you will give post operatively if she undergo simple mastectomy and level II axillary clearance. (15 marks)

08) A 35 year old female was brought to the emergency department with a history of accidental kerosene oil burn injury.

- 8.1. Outline the steps in the immediate care of this patient, if you are the first responder at the site of the injury. (20 marks)
- 8.2. Mention the priorities in the management after arrival to the emergency department. (15 marks)
- 8.3. How do you calculate the burn surface area? (15 marks)
- 8.4. What are the signs of injury to the airway? (15 marks)
- 8.5. Briefly discuss the management of this lady. (35 marks)

Part E

09) A 25 year old motor cyclist was hit by a car from the side, was brought to Accident & Emergency. On admission he was conscious and complaining of pain and swelling of right thigh. On examination he had massive swelling of the thigh with bruised skin and his pulse rate was 90 per minute and the blood pressure was 90/50 mm Hg. X-ray showed an isolated mid shaft femur fracture.

- 9.1. Describe on the initial management of this patient? (40 marks)
- 9.2. Enumerate the possible complications and write briefly on management of those complications. (40 marks)
- 9.3. Write a short account on definitive management and post-operative management of this patient? (20 marks)

Part F

- 10)
- 10.1. Outline the management of a 3 year old child with suspected acute epiglottitis admitted to a **Base Hospital**.
- 10.1.1 With ENT facilities (20 marks)
- 10.1.2 Without ENT facilities (20 marks)
- 10.2. Write short notes on:
- 10.2.1. Hypokalaemia (40 marks)
- 10.2.2. Globe (Eye) injury (10 marks)
- 10.2.3. Chemical Eye injury (10 marks)