

Faculty of Medicine University of Ruhuna

Final Examination for Medical Degree - April 2006

Medicine Paper 1

24 April 2006, 1300 -1600 hrs

Answer all TEN Questions
Answer each part in a separate book

Part A

Q1 A 45 yeah old male with no previous history of heart disease is admitted to the hospital four hours after developing pain over the chest. He arrives at the hospital still having chest pain. He is a smoker, but has no hypertension, diabetes, hypercholesterolaemia or a family history of heart disease. His blood pressure is 140/84 mmHg, heart sounds normal and the lungs are clear. The electrocardiogram done soon after admission shows 2mm ST elevation in leads V1 to V6.

	done soon after admission shows 2mm ST elevation in leads V1 to V6.		
1.1	What is the most likely diagnosis?	(10 marks)	
1.2	What other investigation will you do to confirm the diagnosis?	(10 marks)	
. 1.3	Describe the management of the patient in the next 24 hours.	(80 marks)	
Q2			
2.1	List the general indications for pleural aspiration.	(15 marks)	
2.2 .	Describe the steps that should be taken in preparation for a pleural aspiration. (the description of the procedure is not required) (30 marks)		
2.3	Name FIVE complications of pleural aspiration.	(25 marks)	
2.4	Write out the instructions to the nurse who will monitor the patient after the procedure. (30 marks)		
	Part B		
0.3	A 45 year old woman presented to medical clinic with tingling sensation of fingers		

Q 3 A 45 year old woman presented to medical clinic with tingling sensation of fingers of two years duration. She also complained of several episodes of muscle cramps involving fingers during this illness. The patient had undergone total thyroidectomy two years ago and was on thyroxin 300 micrograms daily.

Full blood count, thyroid hormone profile, blood glucose and serum creatinine were normal.

- What abnormality would explain her symptoms? (20 marks) 3.1 What is the most likely underlying cause of this abnormality? (20 marks) 3.2 How would you confirm the condition you mentioned in 3.2? (20 marks) 3.3 How would you treat this condition? (20 marks) 3.4 Apart from the ones mentioned in the question, name two other probable 3.5 manifestations of this condition. (20 marks)
- Q 4 A previously well, 30 year old woman presented with jaundice of one month duration. She was found to have mucosal pallor and mild splenomegaly. There was no ankle oedema or ascites.
- 4.1 List THREE differential diagnoses which could explain the clinical features.

(30 marks)

4.2 Discuss briefly the investigations, procedures and expected results that would help in confirming the diagnosis in each of the conditions you mentioned in 4.1.
(70 marks)

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بيد (برآن	ر ^{رو} ' Q 5	Part C A 35 year old female presents with generalized oedema of one Physical examination reveals a blood pressure of 120 cen	weeks duration	
1.4		Physical examination reveals a blood pressure of 120/80 mmH heart failure. Preliminary investigations reveals haemoglobin co 13g/dL, blood urea of 25 mg/dL and urinanalysis showing prote normal deposit.	g with no evidence or	
	5.1	What is the most likely diagnosis?	ر (20 marks)	
	5.2	List TWO blochemical investigations that would support the diagonal.	nosis mentioned in (30 marks)	
	5.3	List FIVE therapeutic measures you would recommend to relieve in this patient. Describe the mode of action in each of them.	generalized oedema (50 marks)	
(Q6	Briefly describe the therapeutic basis of each of the following pro	cedures.	
(5.1	Antiblotic prophylaxis prior to dental extraction for a patient with omitral regurgitation.	chronic rheumatic (30 marks)	
€	5.2	Infusion of volume expanders for a patient with dengue shock syn	(50 1112/113)	
		to a patient with dengue shock syn		
6	.3	Treatment with diethylcarhamazing (DEO) for	(35 marks)	
		Treatment with diethylcarbamazine (DEC) for a patient with tropica oesinophilia.	al pulmonary (35 marks)	
Q	7	Part D		
_		A 65 year old woman is admitted with a history of sudden- onset le	ft hemiparesis.	
7.	1	List FIVE physical signs (other than those in the nervous system) th	at you will look and	
7.	2	for, which are of aetiological value. List FIVE investigations that you would request in this patient indicaresults.	(30 marks) sting the expected (70 marks)	
Q8		A 15 year old have		
		A 15 year old boy presented with a painful swelling of his right returning from school. The joint aspirate was uniformly blood s	stained.	
8.1	L V	Vhat further information would you seek from this boy's histor	y?	
8.2	to	ist the investigations (give the expected results) you would pe o arrive at a diagnosis?	(40 marks) rform / request (60 marks)	
0.0		Part F		
Q 9	ini ele me ha	embers have noted that the patient was talking too much, spenders have noted that the patient was talking too much, spendecessarily and not sleeping at night over the past two weeks terview, the patient stated that he is sure to win the local government to be held shortly. He is angry with and hostile towards embers for preventing him contesting at the election. The patiting any illness and offered to build a spacious and modern patients.	ending money s. During the ernment his family	
9.1	Wh	nat is the most likely diagnosis?		
9.2	Пΰ	w would you manage this patient on the first day of admission	(10 marks)	
9.3	List and	t TWO specific drugs which can be used in this condition static	(40 marks) og the dose	
9.4	Sta	te TWO important and common cide age.	(10 marks)	
9.5	Des	(20 marks) ribe the management of the side effects you have mentioned in 9.4.		
Q'10			20 marks)	
10.1	E	numerate the signs and symptoms of panic disorder.	10 marks)	
10.2		iscuss the differential diagnosis and treatment of panic disord	ier.	
		(6	0 marks)	