

Tanta University

Emergency Medicine Master Degree

Faculty of Medicine

Number of Questions: 3

Human Anatomy & Embryology Dep.

Time Allowed: 3 Hours

15/10/2016

Total: 40 Marks



EMERGENCY MEDICINE

All questions to be answered

- 1- **A. Identify** the site and surface anatomy of the Pterion and **outline** the effects of its fracture. (9 marks)
- B. Discuss** the procedure of the tracheostomy. (5 marks)
- 2- **A. Discus** the formation of the portal system and **mention** the sites of porto-systemic anastomosis. (9 marks)
- B. Mention** the length and parts of the male urethra. (5 marks)
- 3- **Discuss** the course and tributaries of the superficial veins of the lower limb. **Outline** the causes and manifestations of the varicose veins. (12 marks)

END OF THE EXAM

Oral Examination:

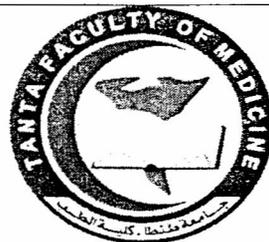
On Sunday 23/ 10/ 2016 at 10 o'clock in the Anatomy Department (Second floor)

WITH MY BEST WISHES

Chairman of Department: Prof. Dr. Mona Zoair

Tanta University
Faculty of Medicine
Emergency Medicine &
Traumatology Department
Date 19/10/2016

Exam: Master degree (2nd part)
Paper 3
No. of Question: 7
Times Allowed: 3 hours
Total marks: 170



***Orthopedic surgery:**

- 1- Diagnosis of compartment syndrome? (15)
2- Mention the first aid of knee dislocation? (15)

***Cardiothoracic surgery:**

- 1- Discuss the clinical picture & management of patient with stab wound in the right 7th intercostal space midaxillary line? (30)

***Ophthalmology:**

- 1- Discuss management of ocular chemical trauma? (15)

***E.N.T Surgery:**

- 1- As an ER physician, what's your role in dealing with a patient with severe epistaxis? (15)

***Obstetrics & Gynecology:**

- 1- Discuss obstetric shock? (15)
2- Discuss the chronic pelvic Gynecological pain? (15)

***Neurosurgery:**

- 1- Discuss I.C.U management of S.A.H? (20)

***Urological Surgery:**

- 1- What is the differential diagnosis of right renal colic? (15)
2- What is the management of blunt bladder trauma? (15)

All questions should be answered!!

Good luck!!

<p style="text-align: center;">Tanta University Faculty of Medicine Emergency Medicine & Traumatology Department Date 10/10/2016</p>	<p style="text-align: center;">Exam: Master degree(2nd part) Paper 1 No. of Question:5 Times Allowed: 3 hours Total marks: 140</p>	
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***Anesthesia & Critical care :**

1-Female patient 48 years with pancreatitis , urinary tract infection , urine culture revealed e-coli , glucose 500 mg/dl , Na 103 mmol/L , K 3.1 mmol/L , Cl 90 mmol/L , pH 6.9 , HCO₃ 4.3meq/L , PCO₂ 20.9mmHg , PaO₂ 117mmHg , O₂ sat 93.3%.

- A. Mention type of base disturbance exist in this patient & its management? (5)
- B. Mention type of hyponatremia in this patient & how to confirm? (5)
- C. Describe the management plane of this patient according to priorities? (5)

2-Male patient , 28 years admitted to ER after RTA , CT brain showed , fracture base of skull , CSF leak from nose , brain edema & frontal lobe contusion , glasgow coma scale 7 , ABP 80/40 mmHg , HR 130 b/min .

- A. Outline the steps of patient management in ER? (5)
- B. How to prevent the secondary brain injury in this patient? (5)
- C. Mention grades of high intracranial pressure & its management? (5)

***Cardiovascular emergencies:**

- 1- What is the Differential Diagnose of acute chest pain? (15)
- 2- what is the First aid in sever tachy-arrhythmias ? (15)

***Internal medicine emergencies:**

- 1-Enumerate causes of: (10)
 - A. Upper GIT bleeding
 - B. Hepatic Encephalopathy
 - C. Jaundice
- 2-Clarify general lines of treatment of coma? (10)

***Neuropsychiatric emergencies :**

- 1- What is the Management of acute ischemic stroke patients in ER ? (15)
- 2- What is the clinical manifestations & differential diagnosis of Delirium and Dementia? (15)

***Respiratory emergencies:**

- 1- Give an account on the non-invasive ventilation in emergency. (15)
- 2- What are the types and causes of respiratory failure? (15)

All questions should be answered!!

Good luck!!



Tanta University

MSc Emergency Medicine (Exam)

Faculty of Medicine

15/10/2016, Time (60 min.), Marks (40 marks)

Clinical Pathology Department

Course title (Clinical Pathology).

***All questions must be answered**

I) Choose the correct answer (20 marks)

1- The reference range of the pH of arterial blood measured at 37°C is:

- a) 7.28 – 7.34
- b) 7.33 – 7.37
- c) 7.35 – 7.45
- d) 7.45 – 7.50

2- The following mechanisms are responsible for metabolic acidosis except:

- a) Excessive loss of unbuffered hydrogen
- b) Excessive production of organic acids
- c) Excessive loss of HCO_3
- d) Reduced excretion of acids

3- Activated PTT is prolonged in:

- a) Factor VII deficiency
- b) Factor VIII deficiency
- c) Blood vessels diseases
- d) Oral anticoagulant therapy

4- Pancytopenia can result from:

- a) Iron deficiency anemia
- b) Megaloblastic anemia
- c) Chronic myeloid leukemia
- d) Hemophilia A

All of the following can cause macrocytic anemia except:

- a) Liver diseases
- b) Megaloblastic anemia
- c) Thalassemias
- d) Acute hemolytic anemia

6- Heparin anticoagulant therapy is best monitored by:

- a) Prothrombin time (PT)
- b) Activated partial thromboplastin time (PTT)
- c) Bleeding time (BT)
- d) Thrombin time (TT)

7- Which of the following conditions is associated with increased serum total CK activity:

- a) Hyperthyroidism
- b) Parkinsonism
- c) Poliomyelitis
- d) Progressive muscle dystrophy

8- Hypocalcemia occurs in cases of:

- a) Acute pancreatitis
- b) Sarcoidosis
- c) Hyperparathyroidism
- d) Multiple myeloma

9- Septicemia is a severe life threatening condition in which:

- a) Bacteria are present in blood
- b) Bacteria are multiplying and produce toxins in the blood
- c) Circulating endotoxins are present in the blood
- d) Non of the above

10- A patient is oliguric when his urine volume is less than:

- a) 1000 ml/24 hours
- b) 700 ml/24 hours
- c) 400 ml/24 hours
- d) 100 ml/24 hours

<p>Tanta University Faculty of Medicine Emergency Medicine & Traumatology Department Date 15/10/2016</p>	<p>Exam: Master degree (2nd part) Paper 2 No. of Question: 8 Times Allowed: 3 hours Total marks: 140</p>	
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***General, Pediatric, & Vascular Surgery:**

- 1-What is the initial assessment & resuscitation of trauma patients? (15)
- 2-What is the management of a septic wound? (15)
- 3-Discuss neonatal respiratory distress? (20)
- 4- What is the diagnosis & management of arterial injuries? (20)
- 5-How to manage the complications of varicose vein? (20)
- 6- What is the Differential diagnosis & treatment of the unilateral lower limb swelling? (20)

***Plastic surgery:**

- 1-What are the different types of burn injuries according to etiology & how to suspect inhalation burn? (15)
- 2-30 years old female, 60 Kg weight, with 2nd degree flame burn in both lower limbs: Discuss management of such case? (15)

All questions should be answered

Good luck!!