

Tanta University  
Faculty of Medicine  
Human Anatomy & Embryology Dep.  
13/5 /2017  
Time Allowed: 3 Hours

Medical Doctorate in Emergency medicine  
and traumatology  
Anatomy Exam.  
Number of Questions: 7  
Total: 90 Marks



## EMERGENCY MEDICINE & TRAUMATOLOGY DOCTORATE DEGREE

### All questions to be answered

- 1- **Define** the artery which may be torn in the fractures of the temporal bone and **mention** its origin and course. **Outline** the effect of its extradural haemorrhage and the management. (15 marks)
- 2- **Discuss** the tributaries, relations, drainage, contents and communications of the cavernous sinus. (15 marks)
- 3- **Mention the** common sites of fractures of the humerus and the nerves and vessels liable to injury and **outline** the effects of their injury. (15marks)
- 4- **Identify** the four locations where the peripheral pulses can be felt in the lower limb. (10 marks)
- 5- **Mention** the normal constrictions of the ureter and **identify** the common sites of stones in an X-ray film. (10 marks)
- 6- **Describe** the walls of the inguinal canal and **mention** the types of inguinal hernia. (14 marks)
- 7- A- **Discuss** the flail chest. (5 marks)  
B- **Mention** the contents of the costal groove, their arrangement and the most risky one. (6 marks)

**END OF THE EXAM**

### Oral Examination:

**On Tuesday 17 / 5/ 2017 at 9 o'clock in the Anatomy Department  
(Second floor)**

**WITH MY BEST WISHES**

**Chairman of Department: Prof. Dr. Mona Zoair**



Exam : Master degree (2<sup>nd</sup> part )

Paper 1

No. Of Questions : 9



*Emergency Medicine &  
Traumatology Department*

Date : 10 /4 / 2017  
Time allowed : 3 hours  
Total marks : 140

*Tanta University  
Faculty of Medicine*

• **Anesthesia & Critical Care:**

Female patient age 40 years , in acute respiratory failure SpO<sub>2</sub> 85% on face mask 10 L/min, patient conscious with body mass index 35 Kg/m<sup>2</sup> , the final decision was invasive mechanical ventilation .

- 1- **Mention:** Preparation, drugs and technique for endotracheal intubation in this patient? (15)
- 2- **State:** Assessment & Management of difficult airway? (15)

• **Neuropsychiatric emergencies:**

- 1- Give an account on the ER management of a comatosed patient (15)
- 2- Psychiatric causes and risk factors for suicide (15)

• **Cardiovascular Emergencies**

- 1- Causes and investigations for pericarditis (15)
- 2- Management of STEMI (ST elevation myocardial infarction); Role of ER Physician (15)

• **Respiratory Emergencies:**

- 1- Management of acute severe asthma (20)
- 2- Enumerate risk factors of pulmonary embolism (10)

• **Internal Medicine Emergencies:**

- 1- Enumerate common causes of acute abdominal pain. (10)
- 2- Give short note on treatment of thyroid storm. (10)

**All questions should be answered**

**Good luck...**



Exam : Master degree (2<sup>nd</sup> part )

Paper 1

No. Of Questions : 10



Date : 30 /4 / 2017

Time allowed : 3 hours

Total marks : 135

*Emergency Medicine &  
Traumatology Department*

*Tanta University  
Faculty of Medicine*

• **Anesthesia & Critical Care:**

- 1- A 42-Yr old lady presents with coma to ICU ,history is unknown, vital signs are as follows : pulse 118/min, BP 110/70 mmHg,temp 37 °C, RR 18/min, and SpO<sub>2</sub> 95% . ABG on room air; PH 7.22, PaO<sub>2</sub> 96 mmHg, PaCO<sub>2</sub> 25 mmHg, HCO<sub>3</sub> 10 mEq/L. Plasma electrolytes; Na 137mEq/L, K 5.3mEq/L, Cl 104 mEq/L. Serum blood glucose 110mg/dl, creatinine 6 mg/dl and lactate 2mEq/L. (15)

Mention ABG interpretation in this patient.

- 2- Hyperkalemia : Mention: Causes , ECG changes and management. (15)

• **Neuropsychiatric emergencies:**

- 1- Describe how to deal in the ER with a adult patient presenting with convulsive status epilepticus. (15)
- 2- Management of excited patient. (10)

• **Cardiovascular Emergencies**

- 1- Management of Supraventricular tachycardia (SVT) in Emergency Department. (15)
- 2- Diagnostic criteria of cardiac tamponade (15)

• **Respiratory Emergencies:**

- 1- Differential diagnosis of cyanosis. (20)
- 2- Weaning strategy of ventilated COPD patients. (10)

• **Internal Medicine Emergencies:**

- 1- Discuss treatment of adrenal crisis (10)
- 2- Discuss electrolytes and acid base management in diabetic ketoacidosis (10)

**All questions should be answered**

**Good luck...**



*Emergency Medicine &  
Traumatology Department*

Exam : Master degree (2<sup>nd</sup> part )

Paper 2

No. Of Questions : 10

Date : 15 / 4 / 2017

Time allowed : 3 hours

Total marks : 140



*Tanta University  
Faculty of Medicine*

• **General, Pediatric and Vascular surgery :**

1. Enumerate causes of intestinal obstruction in infants and young children (10)
2. Management of neonates with respiratory distress (10)
3. Management of acute lower limb DVT (20)
4. Mention the clinical features of acute limb ischemia (20)
5. Diagnosis of abdominal aortic aneurism (20)
6. Enumerate injuries associated blunt abdominal trauma (15)
7. Discuss clinical manifestations of complicated indirect inguinal hernia (15)

• **Plastic surgery :**

- 1-What are the different complications of burn injuries? (10)
- 2-How to manage 25 years old male patient 70 kg in weight with 2<sup>nd</sup> degree flame burn in both lower limbs? (10)
- 3-What are the different zones of neck injuries? (10)

**All questions should be answered**

**Good luck...**

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*Emergency Medicine &  
Traumatology Department*

Exam : Master degree (2<sup>nd</sup> part )

Paper 3

No. Of Questions : 10

Date : 22 /4 / 2017

Time allowed : 3 hours

Total marks : 170



*Tanta University  
Faculty of Medicine*

• **Orthopedics :**

1. Complications of Colles' fracture (15)
2. First aid management for open pelvic fracture (15)

• **Cardiothoracic surgery :**

Pneumothorax: Definition, etiology, types and management (30)

• **Neurosurgery :**

Intracranial pressure elevation : diagnosis & medical treatment (20)

• **Ophthalmology :**

Effect of blunt trauma to the anterior segment of the eye (15)

• **Urological surgery :**

- 1- Diagnosis and D.D. of obstructive anuria (15)
- 2- Management of bladder rupture (15)

• **Obstetrics and gynecology :**

- 1- Management of accidental hemorrhage (20)
- 2- Enumerate gynecological causes of acute abdominal pain (10)

• **E.N.T. surgery :**

Discuss differential diagnosis of vertigo (15)

**All questions should be answered**

**Good luck,,,**

**Tanta University  
Faculty of Medicine  
Microbiology and Immunology department**

**Examination of Microbiology and Immunology  
For M.D degree of Emergency Medicine**

**Date: 10-5-2017**

**Total marks: 90**

**1-Compare between sterilization and Disinfection ,and discuss one of methods of sterilization by heat in details.(20 mark)**

**2- Give antibiotic of choice for treatment of case of acute appendicitis.(15mark)**

**3-A 12 years old boy is brought to the emergency department after being stung by bee while playing. He had fever and shock, sting site on his right forearm is unremarkable with edema and no foreign body seen. Mention the diagnosis and management of this case.(15 mark)**

**4- 24 year old male admitted to the hospital after severe car accident, his muscles of the right lower limb were lacerated the color of the skin around the lacerated wound was black with foul smell and crepitation.**

**- What is the possible diagnosis  
- What is the possible causative organism  
- Mention pathogenesis, diagnosis and management of this case.  
(25 mark)**

**5-Give an account on causative organisms, diagnosis and management of Hepatitis.(15mark)**

