



Emergency medicine &
Traumatology Department

Exam: MD (2nd part)

Paper: 3

No. of Questions: 13

Date: 15/6/2021

Time allowed: 3 hours

Total marks: 360



Tanta University
Faculty of Medicine

1. A 23 year-old-male presents to ED with an acutely swollen and very painful right index finger. He sustained a minor puncture wound to the pulp of his right index finger a few days ago after a cat bite. He has developed tight swelling and redness of the entire right index finger which is slightly flexed.
 - a. What diagnosis should be considered in this patient? (10)
 - b. Give two cardinal signs of this diagnosis. (10)
 - c. What is your management? (10)

2. Mother comes with 6 years old child complains of abdominal pain for 1 day. Child ingested magnets while playing 1 day ago, on examination, abdomen is tender.
 - a. What is the mechanism of the child's presentation? (10)
 - b. What are the complications? (10)
 - c. What investigation will you do next? (10)
 - d. Mention four other causes of gastrointestinal bleeding in children? (10)

Give an account on:

3. Pseudo-obstruction syndrome "Ogilvie syndrome" (10)
4. Causes, manifestation & management of axillary-subclavian vein thrombosis (30)
5. Causes, types & management of priapism (20)
6. Systemic air embolism (30)
7. Emergency department thoracotomy (30)
8. Causes & diagnosis of atlanto-axial dislocation (30)
9. Mechanism of action, uses, doses & side effects of mannitol therapy in ED (30)
10. Causes & types of osteochondritis "with examples" (30)
11. Gamekeeper's fracture (20)
12. Manifestation & investigations of orbital blow-out fracture (30)
13. Causes, manifestation & Management of Hydrofluoric acid burn (30)

All questions should be answered

"Good luck"

Give an account on:

1. Sudden arrhythmic death syndrome "SADS" (20)
2. Causes of inadequate arterial tracing "Arterial damping" & how to avoid? (20)
3. Alveolar arterial gradient (A- a gradient) (20)
4. Prognostic determinants & severity assessment in a patient with COVID 19 pneumonia (20)
5. Site, position, complications & interpretation of pleural tap (20)
6. Definition, causes and manifestations of thrombophilia (20)
7. Causes, manifestation & management of pituitary apoplexy (20)
8. Hepatorenal syndrome (20)
9. Causes, manifestation & management of acute dystonic reaction (20)
10. Motor neuron disease (20)
11. Supra-ventricular tachycardia (SVT) management in pediatrics (20)
12. Management of non accidental injury in children (20)

All questions should be answered

“Good luck”



Emergency medicine &
Traumatology Department

Exam: MD (2nd part)

Paper: 1

No. of Questions: 4

Date: 1/6/2021

Time allowed: 1.5 hours

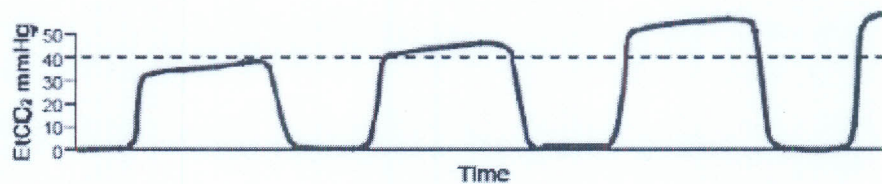
Total marks: 120



Tanta University
Faculty of Medicine

1. A 34 years old male patient came to ED with shoulder dislocation. He is haemodynamically stable with no past medical history & he is about 70 Kg. You decided to perform procedural sedation with propofol for shoulder reduction.

- What is the required dose and when will you tell the operator to proceed for reduction? (10)
- During the procedure, you noted that capnography. What are the possible causes and what are your immediate actions? (10)



- What will you do before discharging this patient? (10)

2. You are infiltrating local anesthetic around a large wound on a patient's thigh. The patient begins to complain of a metallic taste in his mouth associated with numbness to the tongue.

- What is the most likely diagnosis and what is the most important immediate management step? (10)
- The patient becomes pale and poorly responsive. A member of nursing staff informs you the patient's blood pressure is not recordable, however you can feel a weak central pulse. Which drug should be considered in this patient? (10)
- How to decrease risk of the above diagnosis? (10)

3. Discuss four clinical indications to assess IVC diameter using POCUS in ED (20)

4. Give an account on:

- Hypomagnesemia (10)
- Hemostatic-hypotensive resuscitation (10)
- Toxic shock syndrome (10)
- Rapid sequence induction in morbidly obese patient (10)

All questions should be answered

“Good luck”