

الفقرة الأولى

تشرح

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Faculty of Medicine

Department of Anatomy

End-Year Exam-1st Year

Date 11/8/2018

Number of pages: 5 Pages

Time allowed: 3 hours

(All 125 Marks)

I-Write short account on each of the following

(6 marks each)

1. Ligaments attached to thoracic vertebrae (names- sites of attachments).
2. Amnion (sources of fluid-Functions).
3. Superficial fascia (Site- functions).
4. Lumbar plexus (roots-branches).
5. Coverings of the kidney.

II- Briefly outline the following **(6marks each)**

1. Peritoneal covering of the rectum.
2. Psoas major muscle (attachments).
3. Fertilization (steps-results).
4. Boundaries and contents of the cubital fossa.
5. Ligaments of the uterus.

III-Problem Solving (30 marks)

(1)- During emergency surgery, it was found that a chronic gastric ulcer had perforated the posterior wall of the stomach and eroded a large artery running immediately posterior to the stomach

a-The artery is.....

b- The five different arteries supplying the stomach are.....

c- lesser omentum connects stomach toand its free border

contains three main structures from anterior to

posterior.....

(2)-A patient is found to have a melanoma (cancer arising in pigment cells) originating in the skin of the left forearm. After removal of the tumor from the forearm, all axillary lymph nodes lateral to the medial edge of the pectoralis minor muscle are removed.

a- Classify the axillary lymph nodes?

b- Which axillary lymph nodes would not be removed by this procedures?

(3)- If the medial epicondyle of the humerus is fractured and the nerve passing dorsal to it is injured.

a- Which long muscle would be completely affected?

b- Mention attachments of this muscle (origin-insertion)?

(4)- An obstetrician decides to do a Caesarean section on a 30-year – old pregnant woman. A transverse suprapubic incision is chosen for that purpose.

Enumerate the abdominal wall layers will be encountered during incision?

(5)- You are caring for a 60-year-old male who has copious amounts of fluid in the left pleural cavity due to acute pleurisy. When you examine him as he sits up in bed (trunk upright).

a-Where would the fluid tend to accumulate?

b-Enumerate the four parts of parietal pleura?

IV-Matching the correct number (15 marks)

Deformity	Nerve Injury
1- Ape-like Hand	A-Ulnar nerve
2- Wrist drop	B- Median nerve
3-Winged scapula	C- Radial nerve
4-Loss of shoulder abduction below 90.	D-Long thoracic nerve
5-Partial claw-hand	E-Axillary nerve

V- True (T) or False (F) (10 marks)

- 1- A joint that allows biaxial motion only is the pivot joint.
- 2- Synovial membrane doesn't cover the articular cartilage.
- 3- The suprarenal medulla has a rich nerve supply through preganglionic sympathetic fibers.
- 4- Cleavage (segmentation) of the fertilized ovum starts after 48 hours from time of fertilization.
- 5- Deep fascia fills the spaces between muscles.

VI- Multiple choice questions (MCQs) : (10 marks)

1-The outflow portion of the right ventricle is called

- a- Chordae tendinea

- b- Cusp
- c- Infundibulum
- d- Vestibule

2-The periosteum

- a- Lines the inner cavity of the long bone and contains blood vessels.
- b- Covers the outer surface of the bone and contains fibroblasts, osteoblasts and nerve endings.
- c- Is found woven within spongy bone.
- d- Covers the ends of a long bone to cushion it.

3- A tumor of the posterior mediastinum is most likely to compress which of the following structures?

- a- Arch of the aorta
- b- Esophagus
- c- Inferior vena cava
- d- Pulmonary trunk.

4-The deep perineal space does not contain

- a- Membranous part of urethra.
- b- Sphincter of urethra.
- c- Bulbourethral gland.
- d- Deep transverse muscle of perineum.
- e- Bulb of vestibule.

5-The pectoral girdle articulates with the axial skeleton only at:-

- a. Acromion of scapula
- b. Acromial end of the clavicle
- c. Sterna end of the clavicle.
- d. Coracoid process of the scapula.

6-The vein of choice for withdrawing blood is the :-

- a- Basilic
- b- Cephalic
- c- Median antebrachial
- d- Median cubital

- 7-The CORRECT statement about Thoracic duct is:-
- It is enter to the thorax through caval opening
 - It lies posterior to the esophagus in the superior mediastinum
 - It lies in the superior and posterior mediastinum
 - Drains into right subclavian vein.

8-The following statements concerning the spermatic cord are correct EXCEPT which?

- It extends from the deep inguinal ring to the scrotum.
- It contains the testicular artery.
- It is covered by five layers of spermatic fascia.
- It contains the pampiniform plexus.

9-A depressed area on the surface of the bone is:-

- Line.
- Notch
- Fossa
- Epicondyle
- Spine.

10- The acrosome of mature sperm is formed from:-

- a- Nucleus b-Golgi bodies c- Centrosome d- Mitochondria

Good Luck

الامتحان الشفوي اليوم عقب الامتحان النظري مباشرة لكل الطلاب

المزقة الاولى

نشرج

دور اول



Sohag University



Faculty of Medicine

Department of Anatomy
End-year exam (19-6-2018)
(1st year)-3 hours

الامتحان في اربع صفحات

(All 100 marks)

1-Write a short essay on each of the following (5 marks each)

1. Wrist joint (type -Movements-Muscles produce movement)
2. Anatomy of the Kidney (Coverings-Spinal level of the hilum)
3. Amnion (sources of fluid- Functions)
4. Superficial fascia (Site -The 4 functions)
5. Sacral plexus (Roots-Site of formation-Branches to the lower limb)

2-Briefly outline the following: (5 markseach)

1. Fertilization (steps-results)
2. Anal Canal (length -Lymphatics-Innervations)
3. The flexor retinaculum(attachments-Structures pass deep to it)
4. Psoas major muscle (attachments-Innervations-Actions-Structure within)
5. Ligaments attached to thoracic vertebrae (names-sites of attachments)

3- Problem solving: (6 marks each)

- 1) You are caring for a 68-year-old male who has copious amounts of fluid in the left pleural cavity due to acute pleurisy. When you examine him as he sits up in bed (trunk upright)
 - ✓ Where would the fluid tend to accumulate?
 - ✓ Enumerate the four parts of the parietal pleura and location of each part
 - ✓ Mention site and attachments of pulmonary ligament
- 2) A 26 year old woman experiences episodes of bright red vaginal bleeding at week 28, week 32 and week 34 of pregnancy. The bleeding spontaneously subsided each time. Using ultrasound, the

placenta is located in the lower right portion of the uterus over the internal os.

- ✓ What name given for this case?
 - ✓ Enumerate its four types
 - ✓ The name given to the placenta which is abnormally fixed to the wall of the uterus is
- 3) A patient was diagnosed with bleeding ulcer of the lesser curvature of the stomach. The ulcer involve one artery which also supply the lower end of the esophagus
- ✓ Which artery is most likely involved?
 - ✓ Enumerate the other arteries supplying the stomach and the origin of each one
 - ✓ The large artery located in the stomach bed is
- 4) A 43-year-old woman presents with a prolapsed uterus. Repair of a prolapsed uterus requires knowledge of the supporting structures of the uterus.
- ✓ Explain the structure which plays the most important role in the support of the uterus?
 - ✓ Enumerate four important supporting ligaments of the uterus
 - ✓ Mention the lymphatic drainage of the fundus of uterus
- 5) During the last UEFA Champions League the Egyptian professional footballer Mohamed Salah suffered a dislocated acromioclavicular joint.
- ✓ Identify the type of this joint?
 - ✓ The strong ligament of this joint is
 - ✓ Explain the movements the joint involved in and main muscles for each movement

4- Multiple choice questions: (2 marks each)

1. As regard the axilla the following are true except
- A. Anterior wall formed by the pectoralis major and pectoralis minor muscles
 - B. Posterior wall formed by the subscapularis and teres major muscles from above down
 - C. Medial wall formed by the upper eight ribs and the intercostal spaces
 - D. Lateral wall formed by the coracobrachialis and biceps muscles

2. Regarding intercostal arteries:

- a- are superior to veins & nerves
- b- musculophrenic artery will supply 7th to 9th intercostals spaces
- c- all the posterior branches are from the aorta
- d- the collateral branch supply the lung

3. Which statement about the intestine is incorrect?

- a. The jejunum Lumen wider and often empty than the ilium
- b. Peyer's patches present mainly in the mucous membrane of lower ileum
- c. The commonest position of the appendix behind the ileum
- d. Lymphatics of the caecum drain into the superior mesenteric nodes.

4. The urogenital diaphragm is formed by the following structures except :

- a- Deep transverse perineal muscle
- b- Sphincter urethrae
- c- Colles fascia
- d- Perineal membrane

5. A depressed area on the surface of the bone

- A. Line
- B. Notch
- C. Fossa
- D. Epicondyle
- E. Spine

6. As a result of injury of the ulnar nerve at the wrist:

- A. Marked wasting (atrophy) of the thenar eminence.
- B. The thumb cannot be abducted.
- C. The thumb cannot be adducted.
- D. Loss of sensation over the thumb.
- E. A and B are correct.

7. The internal thoracic artery is sometimes surgically cut near the caudal end of the sternum and used to supply blood to a region of the heart. In these cases, maintenance of adequate blood flow to the rectus abdominis may be dependent on increased flow through which artery?

- A. Superficial epigastric

- B. Inferior epigastric
- C. Umbilical
- D. Superficial circumflex iliac
- E. Deep circumflex iliac

8. The acrosome of mature sperm is formed from:

- A. Nucleus
- B. Golgi bodies
- C. Centrosome
- D. Mitochondria

9. The following are true about developing embryo except

- a) Brain and spinal cord are ectodermal derivatives
- b) extra-embryonic mesoderm appear at the 4th week from time of fertilization
- c) Lymphatics and cardiovascular system are mesodermal derivatives
- d) The decidua is the endometrium after fertilization
- e) Monozygotic twins results from the division of a single zygote

10. The followings are Secondary cartilaginous joint except

- a. Pubic symphysis joint
- b. Sacrococcygeal Joint
- c. Sacro-iliac joints
- d. intervertebral disc between bodies of vertebrae LV and SI

الامتحان الشفوي

من رقم جلوس 1001 الى رقم 1120 عقب الامتحان النظري مباشرة
باقي الطلبة صباح الاربعاء (20-6-2018) التاسعة والنصف صباحا