



QUIZ Time

anatomy 23

Corrected by: layan Al-Muhaisen

Posterior Mediastinum

1. Which of the following structures crosses the midline from right to left behind the esophagus at the level of T5?

- A. Azygos vein
- B. Thoracic duct
- C. Esophagus
- D. Hemiazygos vein

Correct Answer: B

2. The posterior boundary of the posterior mediastinum is formed by which of the following?

- A. Pericardium
- B. Sternum
- C. Thoracic vertebrae (T5-T12)
- D. Diaphragm

Correct Answer: C

3. Which of the following best describes the functional significance of the azygos vein within the venous system of the thorax?

- A. It drains arterial blood from the thoracic organs.
- B. It forms an anastomotic channel that compensates for obstruction in the superior or inferior vena cava.
- C. It directly returns lymph to the thoracic duct.
- D. It prevents reflux of blood into the subclavian veins.

Correct Answer: B

4. During thoracic surgery, displacement of the esophagus is noted at the level of the sternal angle. Which structure is most likely responsible for this shift?

- A. Trachea
- B. Aortic arch
- C. Diaphragm
- D. Left recurrent laryngeal nerve

Correct Answer: B

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5. The accessory hemiazygos vein typically crosses over to join the azygos vein at which vertebral level?

- A. T9
- B. T7 or T8
- C. T5
- D. T11

Correct Answer: B

6. Which of the following structures lies directly posterior to the esophagus in the posterior mediastinum?

- A. Left vagus nerve
- B. Left atrium
- C. Azygos vein
- D. Left principal bronchus

Correct Answer: C

7. What is the anatomical significance of the thoracic duct's beaded appearance?

- A. It contains esophageal arteries
- B. It is covered by lymphoid follicles
- C. It has many valves
- D. It is compressed by the aortic arch

Correct Answer: C

8. The descending thoracic aorta becomes the abdominal aorta after passing through which structure?

- A. Caval opening
- B. Esophageal hiatus
- C. Foramen ovale
- D. Aortic opening of the diaphragm

Correct Answer: D

9. The azygos vein arises from the union of which two venous systems?

- A. Right posterior intercostal and subclavian veins
- B. Right subcostal and right ascending lumbar veins
- C. Right internal thoracic and hemiazygos veins
- D. Superior vena cava and right brachiocephalic vein

Correct Answer: B

10. Which lymphatic trunk drains lymph from the left upper limb into the thoracic duct?

- A. Left jugular trunk
- B. Left subclavian trunk
- C. Right lymphatic duct
- D. Broncho-mediastinal trunk

Correct Answer: B





QUIZ Time

anatomy24-25

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ANATOMY 24-25

Abdomen I

Q1. Which of the following correctly matches the organ with its corresponding arterial supply?

- A) Jejunum - Left gastric artery
- B) Gallbladder - Common hepatic artery
- C) Pancreas - Superior mesenteric artery only
- D) Stomach - Inferior mesenteric artery

Answer: B

Q2. During a laparotomy, the surgeon identifies an organ located mostly at L1 vertebral level, intraperitoneal, and receiving blood from the celiac trunk. Which organ is it most likely to be?

- A) Jejunum
- B) Stomach
- C) Ascending colon
- D) Kidney

Answer: B

Q3. Which layer of the stomach is unique and not typically found in the rest of the gastrointestinal tract?

- A) Muscularis externa
- B) Oblique muscle layer
- C) Submucosa
- D) Serosa

Answer: B

Q4. Which hormone is primarily responsible for stimulating gallbladder contraction and bile release into the duodenum after a fatty meal?

- A) Secretin
- B) Gastrin
- C) Cholecystokinin (CCK)
- D) Somatostatin

Answer: C

Q5. The structure responsible for suspending the jejunum from the posterior abdominal wall is the:

- A) Omentum
- B) Ligament of Treitz
- C) Mesentery
- D) Peritoneal fold

Answer: C



ANATOMY 24-25

Q6. Which of the following is not a retroperitoneal part of the duodenum?

- A) First part (duodenal cap)
- B) Second part
- C) Third part
- D) Fourth part

Answer: A

Q7. If the spleen is injured, which arterial branch is most directly involved in hemorrhage?

- A) Left gastric artery
- B) Common hepatic artery
- C) Splenic artery
- D) Superior mesenteric artery

Answer: C

Q8. Which structure is not part of the foregut derivatives?

- A) Spleen
- B) Pancreas
- C) Jejunum
- D) Liver

Answer: C

Q9. Which of the following statements about the peritoneum is true?

- A) Retroperitoneal organs are fully enveloped by visceral peritoneum.
- B) The omentum is a thick muscle layer covering the intestines.
- C) Intraperitoneal organs are suspended by mesentery.
- D) The peritoneum only covers the anterior abdomen.

Answer: C

Q10. Which of the following structures is located posterior to the second part of the duodenum?

- A) Transverse colon
- B) Head of the pancreas
- C) Stomach
- D) Jejunum

Answer: B