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Liver: all the following statements are correct EXCEPT:

- a. Caudate lobe drains into left hepatic duct.
- b. Clamping of the structures in the free edge of the lesser omentum may prevent liver bleeding.
- c. It may reach up to the fifth intercostal space.
- d. It is larger relatively in newborn infants than adults.
- e. Caudate process forms the posterior boundary of the epiploic foramen.

The pancreas: all the following statements are correct EXCEPT:

- a. The splenic artery runs on its upper (superior) border.
- b. The splenic vein runs on its posterior surface.
- c. Left psoas muscle lies posterior to it.
- d. The uncinate process lies between the aorta and the superior mesenteric vessels.
- e. The transverse mesocolon is attached to its inferior border.

The portal vein receives tributaries from the following organs EXCEPT:

- a. Pancreas.
- b. Liver.
- c. Duodenum.
- d. Stomach.
- e. Spleen.

The anal canal, all of the following are correct EXCEPT:

- a. The part which lies above the pectinate line is endoderm in origin.
- b. The internal hemorrhoids are varicosities the tributaries of the middle rectal vein.
- c. The mucous membrane of the upper part is sensitive to stretch.
- d. The lower part drains to superficial inguinal lymph nodes.
- e. The external anal sphincter is painful.

The bile duct (common bile duct) all the following statements are correct EXCEPT:

- a. It runs anterior to the head of pancreas.
- b. It opens into the second part of duodenum independent of the pancreatic duct.
- c. It is 3-4 inches long.
- d. Descends through the free edge of the lesser omentum.
- e. It runs posterior to the first part of duodenum.

Young surgeon operating on a patient to drain an abscess in the region of the ano – rectal junction, three days later he was surprised to learn that the patient was incontinent, which of the following structure is severely damaged and responsible for incontinence.

- a. Internal anal sphincter.
- b. Superficial part of external anal sphincter.
- c. Puborectalis muscle.
- d. Pubococcygeus muscle.
- e. Subcutaneous part of external anal sphincter.

All the following statements are wrong regarding the liver except:

- A. Both falciform ligament and ligamentum teres are obliterated veins
- B. The greater omentum connects the left lobe of the liver to the lesser curvature of the stomach
- C. Three hepatic arteries supply the liver, and two veins drain it
- D. The right colic flexure lies anterior to the right lobe
- E. The gallbladder lies lateral to the quadrate lobe

Which of the following relations in regard to the pancreas is incorrect?

- A. Stomach -> anterior to the pancreas
- B. Common bile duct -> posterior to the pancreas
- C. Superior mesenteric artery -> anterior to the uncinat process
- D. Superior mesenteric vein -> posterior to the uncinat process
- E. None of the above

All of the following organs cause impressions on the visceral surface of the spleen except:

- A. Stomach
- B. 4th part of the duodenum
- C. Pancreas
- D. Colon
- E. Left kidney

A 57 years old female came to the ER complaining of pain in her chest and right shoulder, after you checked all her vital signs and made sure she's not having an angina, you decided to do a per rectal examination. What are the structures that you can examine?

- A. Prostate
- B. Ampulla of ductus deferens
- C. Vagina
- D. Posterior wall of the bladder
- E. Left kidney

All of the following statements are incorrect except:

- A. The lower half of the anal canal is lined by scarpa's fascia
- B. An internal hemorrhoid is very painful
- C. The anal canal is surrounded laterally by fat pads
- D. The external anal sphincter is involuntary
- E. The white line determines the end of the upper half and the beginning of the lower half of the anal canal

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