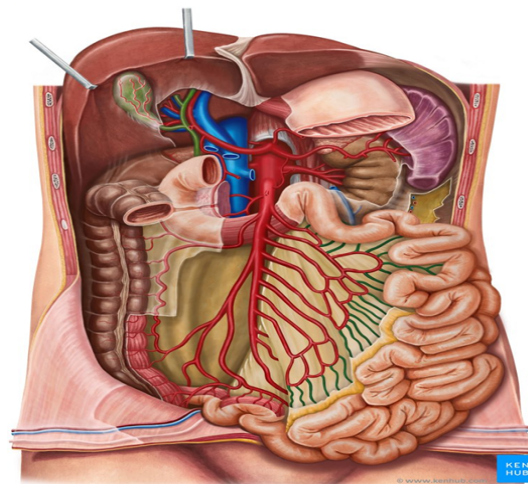
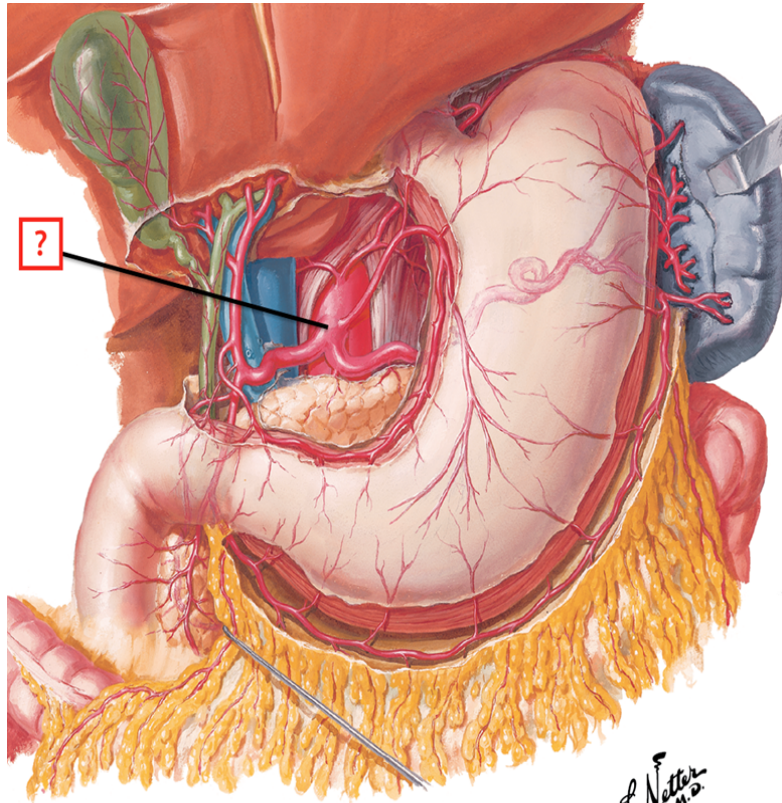


GIT OSPE

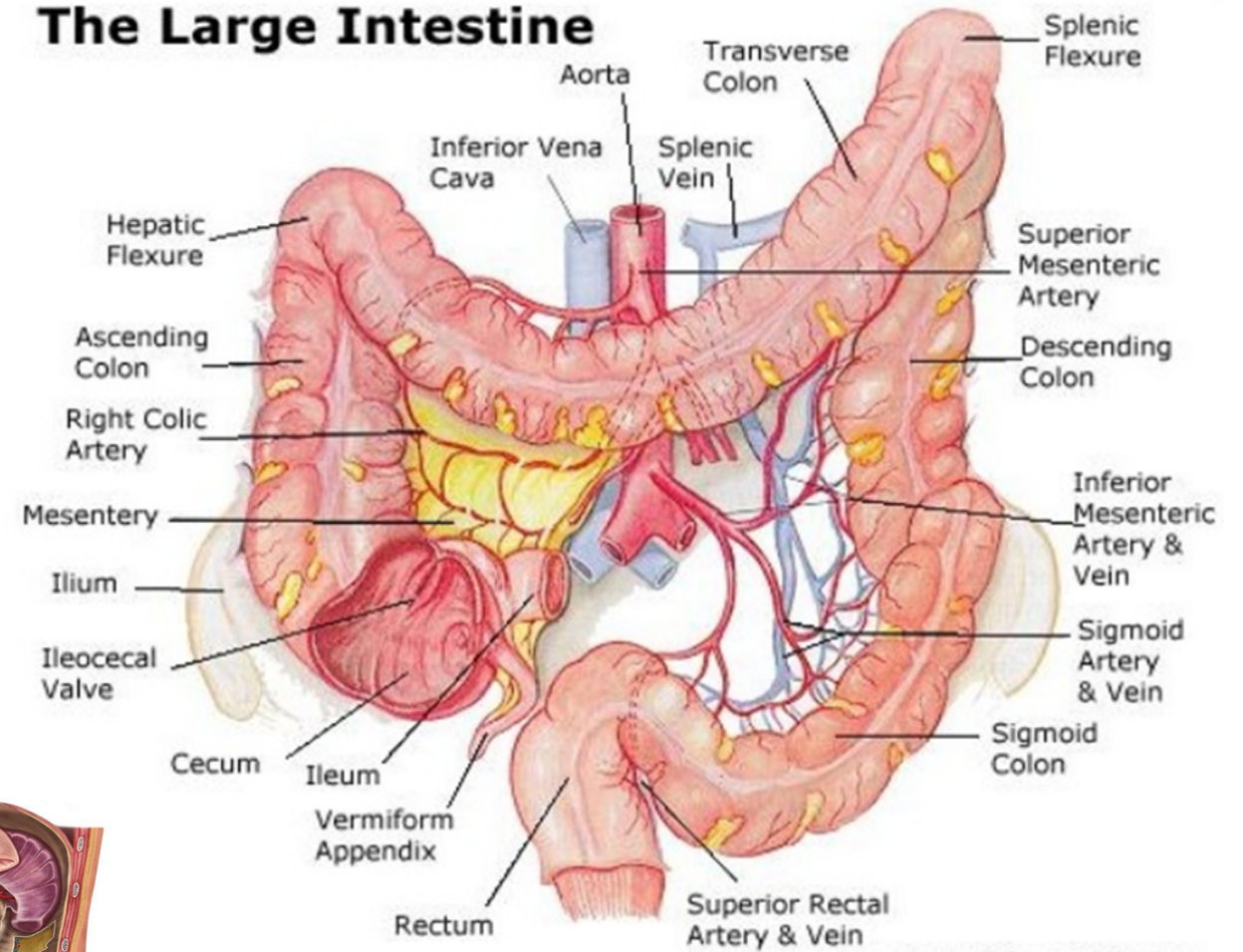
Anatomy Revision

Dr. Shima Mahmoud

Blood supply of GIT



The Large Intestine



Station One

List blood supply of the stomach.

1. Left gastric.
2. Right gastric.
3. Left gastroepiploic.
4. Right gastroepiploic.
5. Short gastric

Structures forming stomach bed (posterior relations)

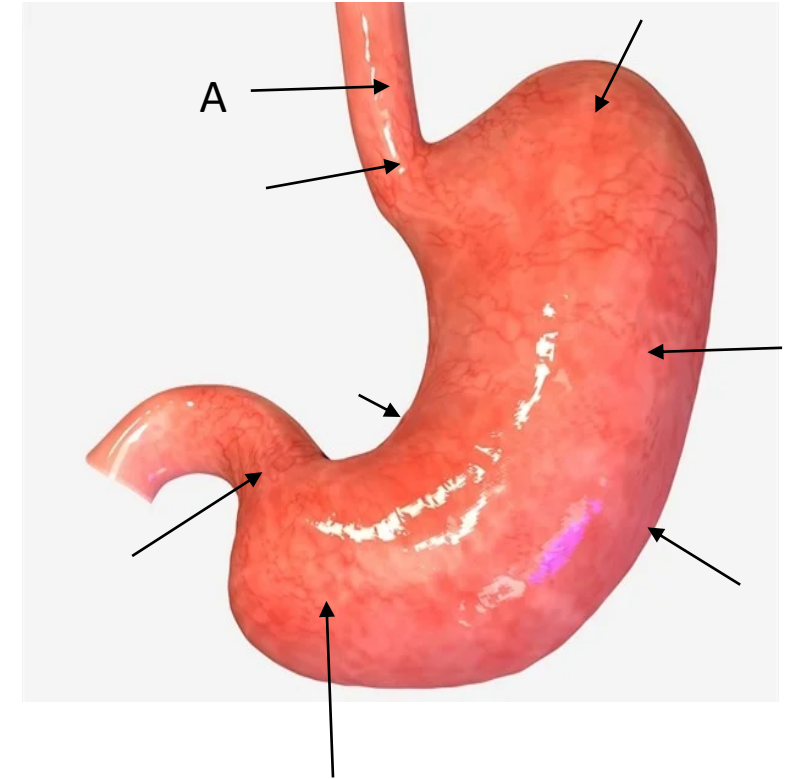
- | | |
|--------------------------|----------------------------|
| 1. Lesser sac | 2. Left crus of diaphragm. |
| 3. Left suprarenal gland | 4. left kidney. |
| 5. Spleen | 6. Splenic artery. |
| 7. Pancreas | 8. Transverse mesocolon. |

Blood supply of (A)

Left gastric artery from coeliac trunk

Enumerate structures running in the lesser omentum along the lesser curvature of the stomach.

1. Right gastric vessels
2. Left gastric vessels



Station Two

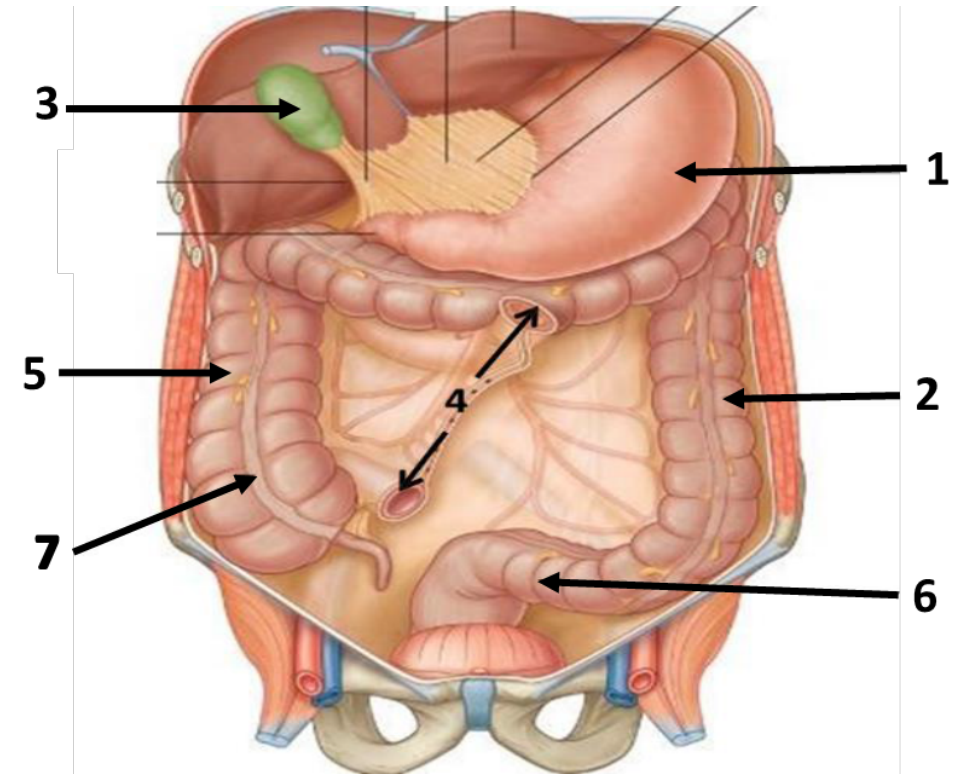
During cholecystectomy a resident damaged the cystic artery before the clamp was properly placed. The assistant surgeon applied pressure on top of the free margin of the lesser omentum to stop the bleeding.

Identify

- | | |
|--------------------|----------------------|
| 1. Stomach | 2. Descending colon |
| 3. Gallbladder | 4. Root of mesentery |
| 5. Ascending colon | 6. Sigmoid colon |
| 7. Teniae coli | |

Blood supply of (3) and its origin?

Cystic artery from Right hepatic artery of coeliac trunk



Station Three

A 57-year-old male brought to the ER where he diagnosed with perforated duodenal ulcer in the posterior wall of the first part of the duodenum.

Which artery lies behind the ulcer in his case?

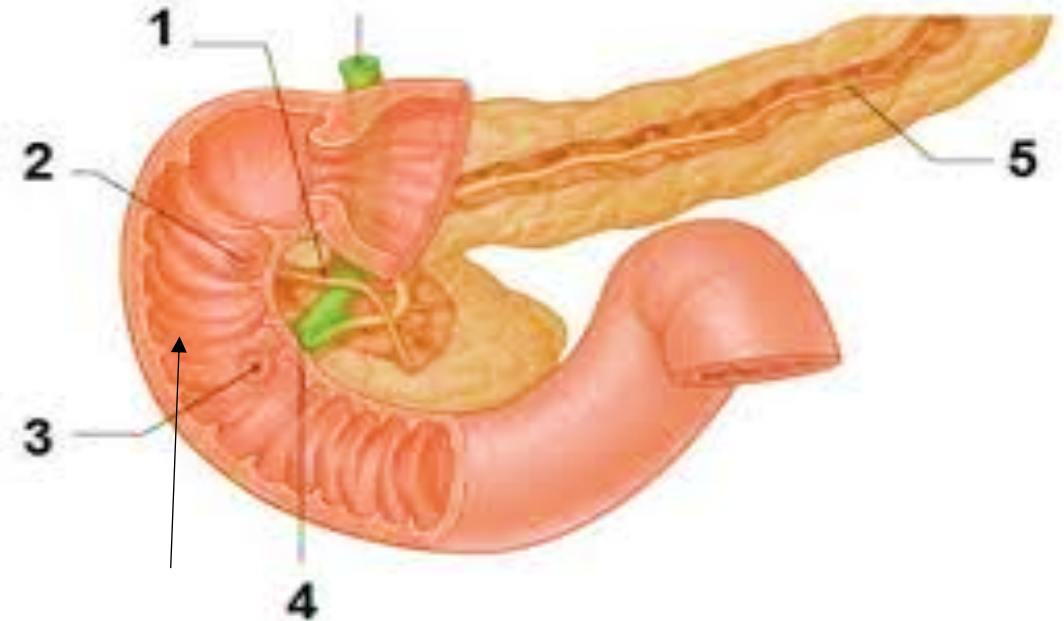
- Gastroduodenal artery

Enumerate 3 different organs supplied by this artery.

- stomach
- duodenum
- pancreas

Identify:

1. Accessory pancreatic duct
2. Minor duodenal papilla
3. Major duodenal papilla
4. Bile duct
5. Main pancreatic duct



A 48-year-old man has lost 10 kilos over the last 3 months and presented with upper abdominal pain that radiates to the back between the scapulae. During examination the doctor noticed jaundice. CT scan reveals tumor of the head of the head of the pancreas.

List the arterial supply of the pancreas and its origin

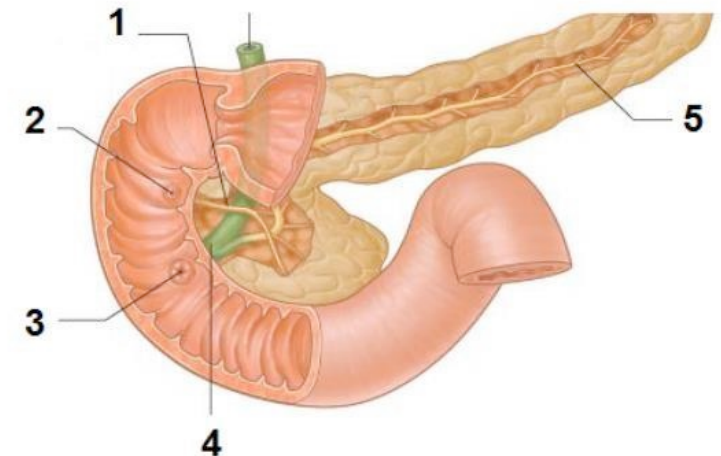
1. Superior pancreaticoduodenal artery: from gastroduodenal branch of hepatic artery of celiac
2. Inferior pancreaticoduodenal artery: from superior mesenteric artery
3. Splenic artery: from coeliac trunk

Where does the main pancreatic duct open?

Major duodenal papilla in the 2nd part of the duodenum

Structures passing posterior to the head of the pancreas

1. IVC
2. Lower part of bile duct



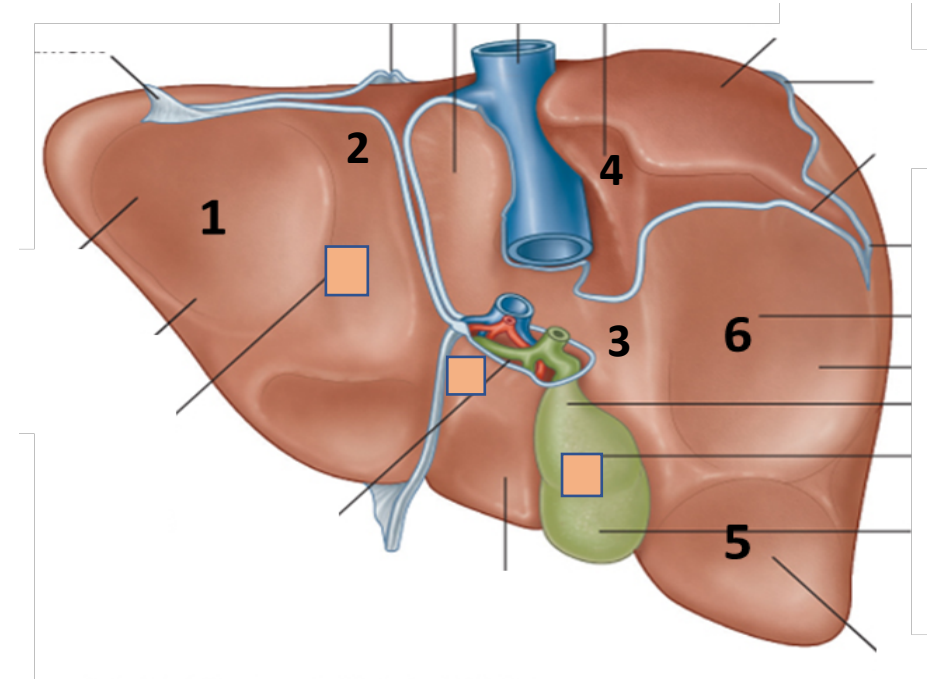
Station Four

What Are The Structures Related To Marked Areas

1. Gastric (Fundus Of Stomach)
2. Abdominal Part Of Esophagus
3. Duodenum
4. Right Suprarenal Gland
5. Right Colic Flexure
6. Right Kidney

Mention the peritoneal folds of liver

- Falciform ligament
- Right triangular ligament
- Left triangular ligament
- Coronary ligament
- Lesser omentum



Identify

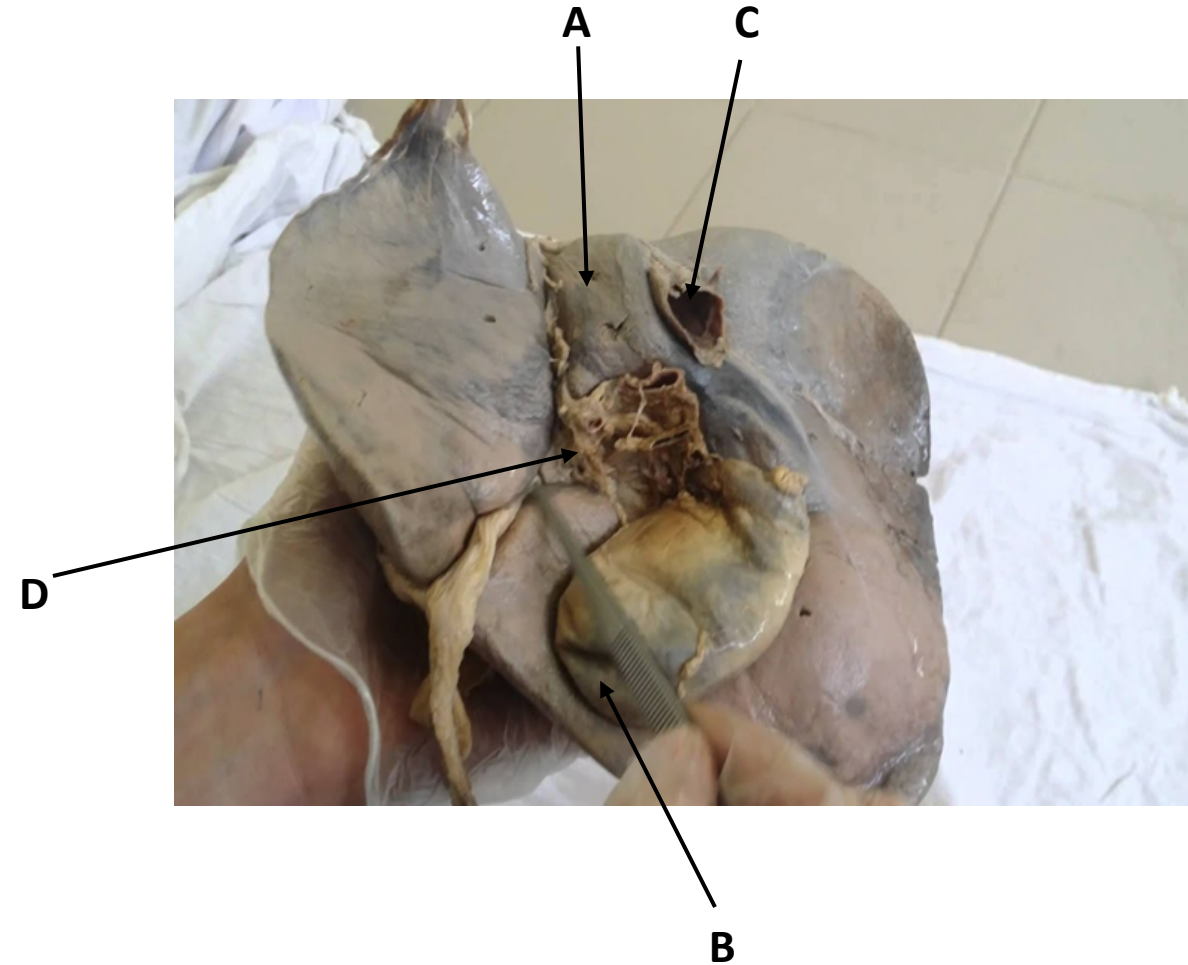
- A. caudate lobe
- B. Fundus of gall bladder
- C. Inferior Vena Cava
- D. Porta hepatis

What is the surface anatomy of (B)

Fundus corresponds to the tip of the right 9th costal cartilage

Mention the contents of (D)

- Right and left hepatic ducts
- Right and left branches of the hepatic artery
- Right and left branches of the portal vein



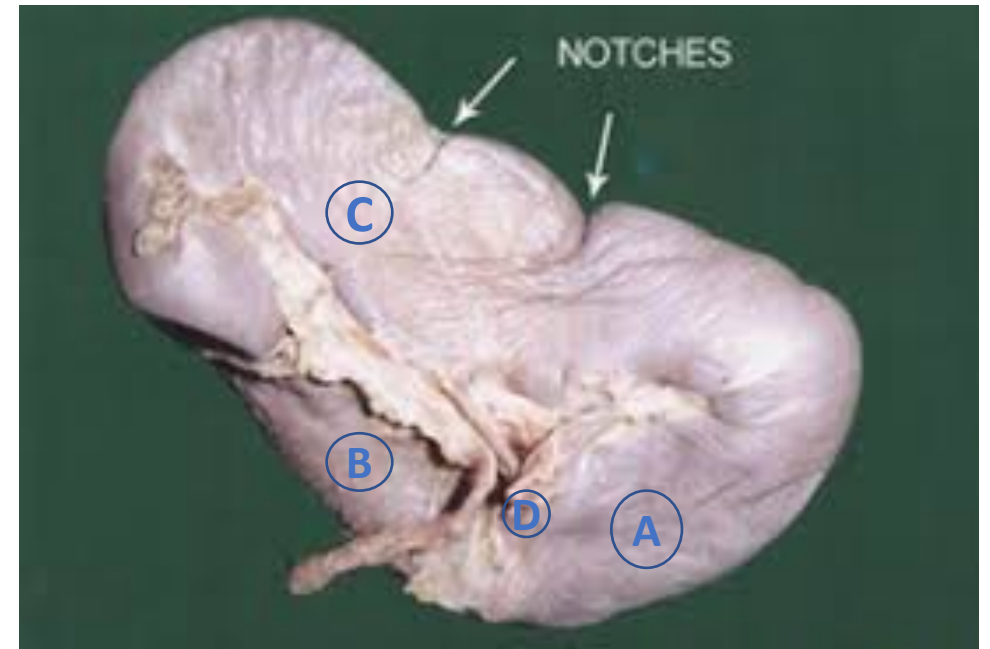
Station Five

Identify The Structures Related To Marked Areas

- A. Colic (left colic flexure)
- B. Renal (left kidney)
- C. Gastric (stomach)
- D. Pancreatic (tail of pancreas)

Enumerate The Ligaments Attaches To This Organ And Mention Its Contents

1. Gastrosplenic ligament: short gastric and left gastroepiploic vessels.
2. Lienorenal (splenorenal) ligament: splenic vessels and the tail of pancreas.



Station Six

Identify

Right colic (hepatic) flexure

Ascending colon

Ileocecal junction

Appendix

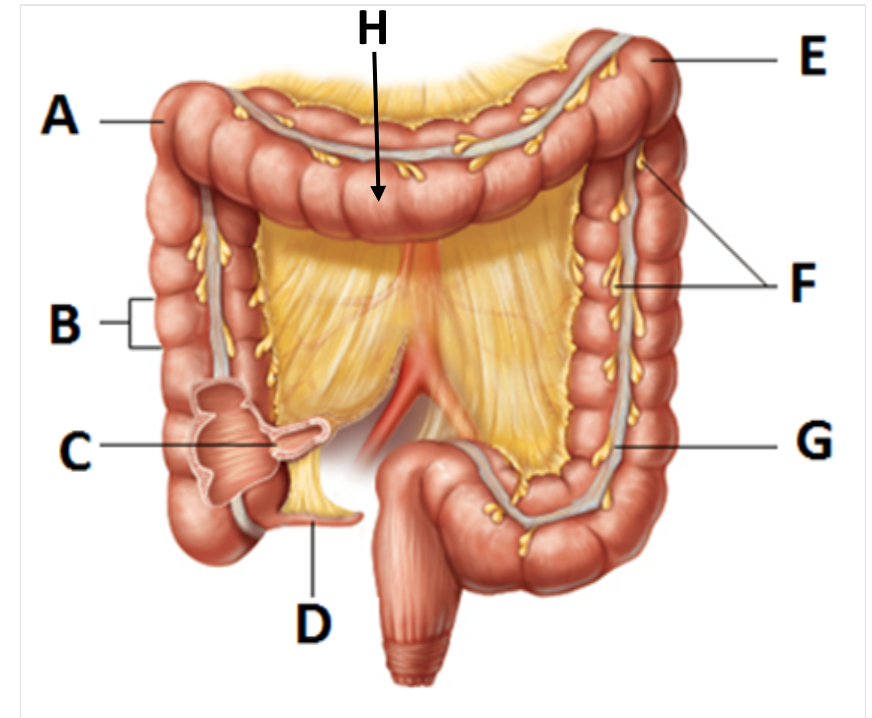
Left colic (splenic) flexure

Appendices epiploica

Taenia coli

Mention the anterior relations of (H)

- Greater omentum.
- Anterior abdominal wall



Station Seven

Identify (A)

Abdominal part of esophagus

Posterior relations of (A)

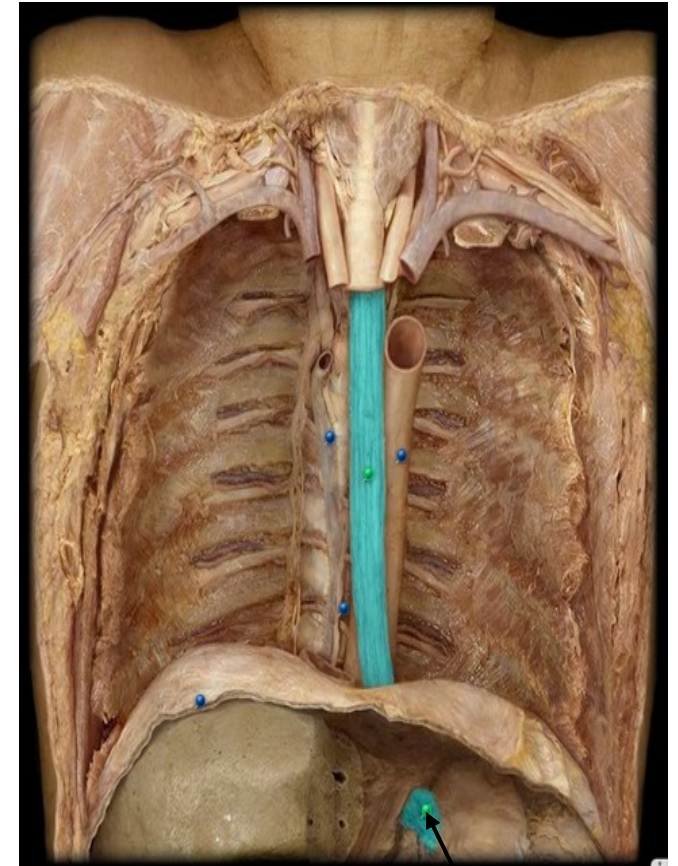
Left crus of the diaphragm

Sites of normal constrictions of this organ

1. At the pharyngoesophageal junction
2. Where it is crossed anteriorly by the aortic arch and the left main bronchus
1. At esophageal hiatus where it passes through the diaphragm to join stomach

The level of the esophageal opening of the diaphragm

T10



A

Station Eight

A 12 year old boy is brought to the ER with a fever, nausea, and abdominal pain. Investigation revealed leucocytosis. The case is diagnosed as acute appendicitis.

Identify the positions of the appendix:

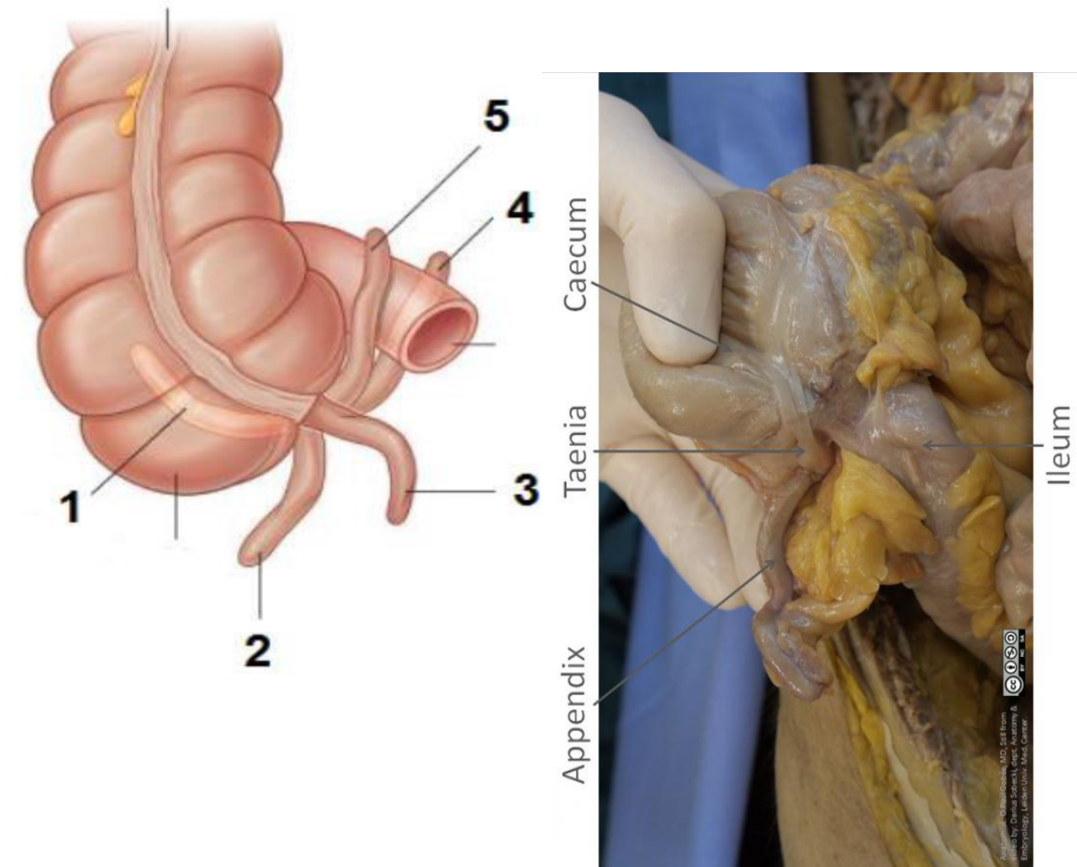
- Retrocecal
- Subcecal
- Pelvic
- Postileal
- Preileal

Which artery we need to be ligate during appendectomy?

- Appendicular artery

From where does this artery arise?

- Ileocolic of superior mesenteric artery



Station Nine

Identify

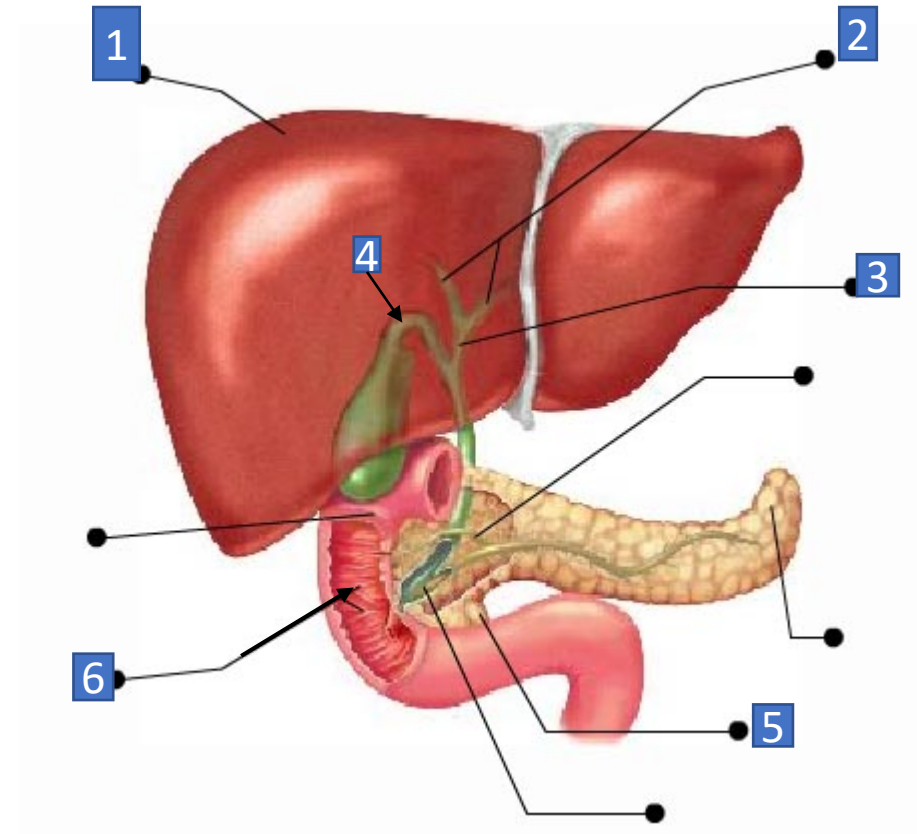
1. Right lobe of liver
2. Right and left hepatic ducts
3. Common hepatic duct
4. Cystic duct
5. Uncinate process of head of pancreas
6. Second (descending) part of duodenum

Mention the vertebral level of (6)

L1 to L3

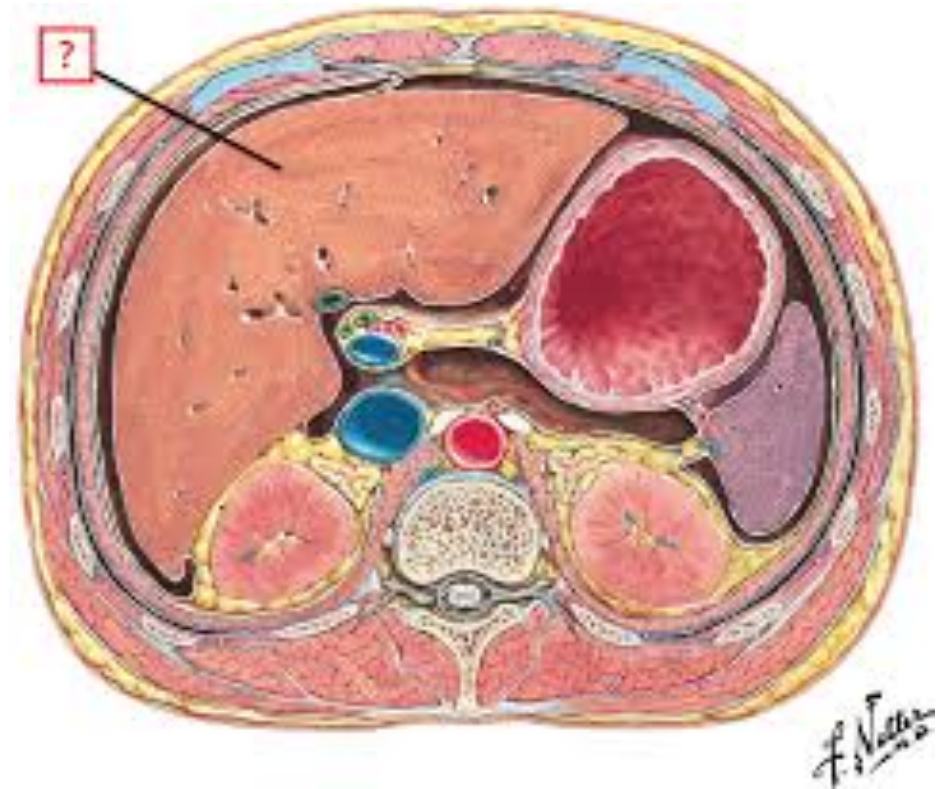
Mention the anterior relations of (6)

- Liver
- Transverse colon
- Small intestine



Station Ten

1. Liver
2. Spleen
3. Stomach
4. Gall bladder
5. Portal vein
6. IVC
7. Abdominal aorta
8. Lesser omentum
9. Lesser sac
10. Epiploic foramen



**THANK YOU
GOOD LUCK**