



Pancreas

Before going through the contents, make sure you check this <u>CORRECTION FILE</u> first

Description & location

Surface is **not** smooth because its lobulated

Lobulated, WHY? Description: Because it is surrounded -It is an elongated by a fibrous tissue soft pinkish structure capsule from which septa pass into the gland -length: 6-10 inch and divide it into lobes. -weight: 60-100 gm The lobes are divided into lobules. Extending It extends in a from the on the posterior concavity of transverse Retroabdominal wall in the: oblique the Peritoneal LOCATION **Epigastrium & Left** direction at the duodenum upper quadrant of the (fixed) transpyloric (at on the right abdomen. to the spleen L1)plane on the left.



Relations of pancreas parts

	Structures anterior	Structures posterior
Head		(1) Bile Duct runs downwards and may be embedded in it. (2) IVC runs upwards.
neck		 Aorta Origin of Superior Mesenteric artery the confluence of the Portal Vein
body		Left Psoas muscle
tail	Stomach separated from by lesser sac Transverse colon &transverse mesocolon	Left Renal vessels Upper 1/3rd of Left kidney Hilum of the spleen.

Blood supply, venous drainage & nerves



Pancreatic ducts + functions of

pancreas

Additional notes (by Dr.Jamila):

- If pancreas becomes solid => it is either and inflammation or a tumor.
- Caner of head of pancreas can lead to obstructive jaundice.(compression applied on Bile duct)
- L1 is the origin of superior mesenteric artery
- L3 is the origin of inferior mesenteric artery
- Injury to tail of pancreas with nephrectomy of left kidney can lead to acute pancreatitis
- Metastasis of cancer from tail to liver from splenic vein draining into portal vein

1-The following statements concerning the pancreas are correct except which?

A-The pancreas receives part of arterial supply from the splenic artery.

B-The main pancreatic duct opens into the third part of the duodenum.

C-The uncinate process of the pancreas projects from the head of the pancreas.

D-The bile duct lies posterior to the head of pancreas

E-The transverse mesocolon is attached to the anterior border of A.Body the pancreas.

2-The transpyloric plane passes through the:

A-Upper part of vertebra L1

B-Lower part of vertebra L1

C-Disc between vertebra L1 and L2

D-Upper part of vertebra L2

E-Lower part of vertebra L2

3-Which of the following structures lies posterior to Body of pancreas:

A.The upper 1×3^{rd} of right kidney.

B.The confluence of the portal vein.

C.The aorta.

C.Tail

D.Neck

D.The upper 1\3rd of left kidney.

4-Which part of the pancreas may be injured in a splenectomy procedure?

5-The uncinate process is an extension of:

A.The tail

B.The lower part of head

C.The neck

D.The upper border of the body

6-The inferior pancreaticoduodenal artery is a branch of:

A.The splenic artery

B.The common heptaic artery

C.The superior mesenteric artery

D.The gastroduodenal artery

THANK YOU FOR CHECKING OUR WORK GOOD LUCK DOCTORS

Key answers: 1.B 2.B 3.D 4.C 5.B 6 D Wise old owl lived in an oak: The more he saw the less he spoke; The less he spoke the more he heard: Why can't we all be like that bird.

- Edward Hersey Richards

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For any question, correction or suggestion, don't hesitate to contact us on: anatomyteam434@gmail.com