



Anatomy Team

430

Anatomy Of Small Intestine

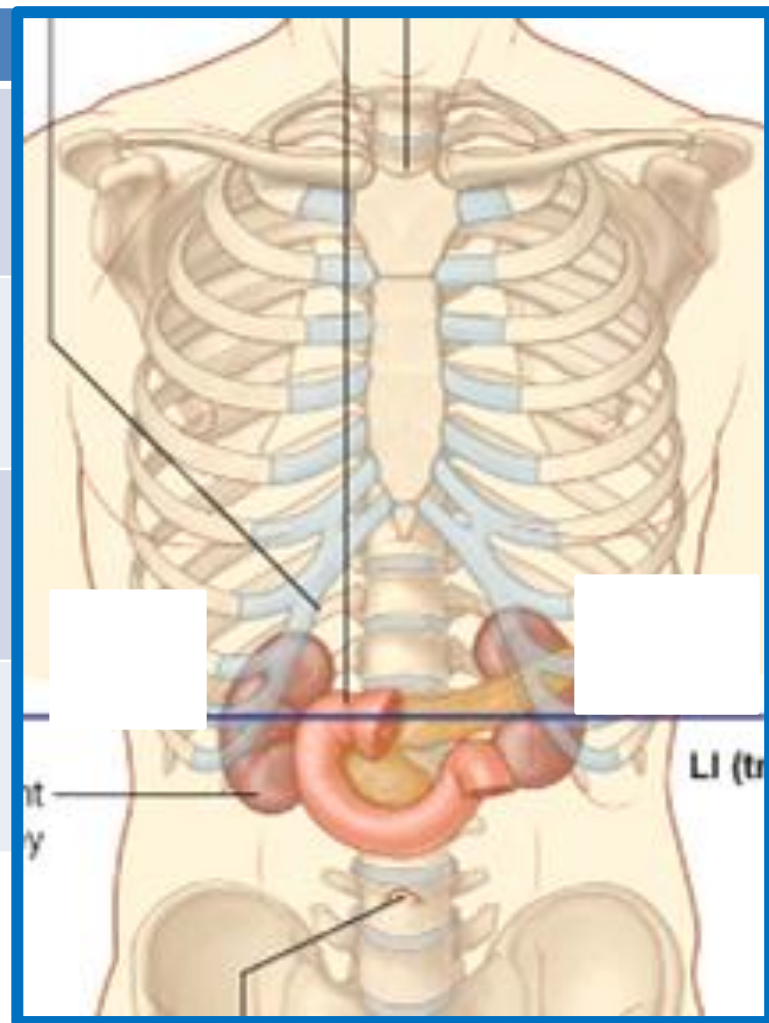
Done By:
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Surface Anatomy

PART	LENGTH	LEVEL
FIRST PART (Superior)	2 INCHES	L1 (Transpyloric Plane)
SECOND PART (Descending)	3 INCHES	DESCENDS FROM L1 TO L3
THIRD PART (Horizontal)	4 INCHES	L3 (SUBCOTAL PLANE)
FOURTH PART (Ascending)	1 INCHES	ASCENDS FROM L3 TO L2

beginning: at pyloro-duodenal junction
termination: at duodeno-jejunal flexure
peritoneal covering: retroperitoneal





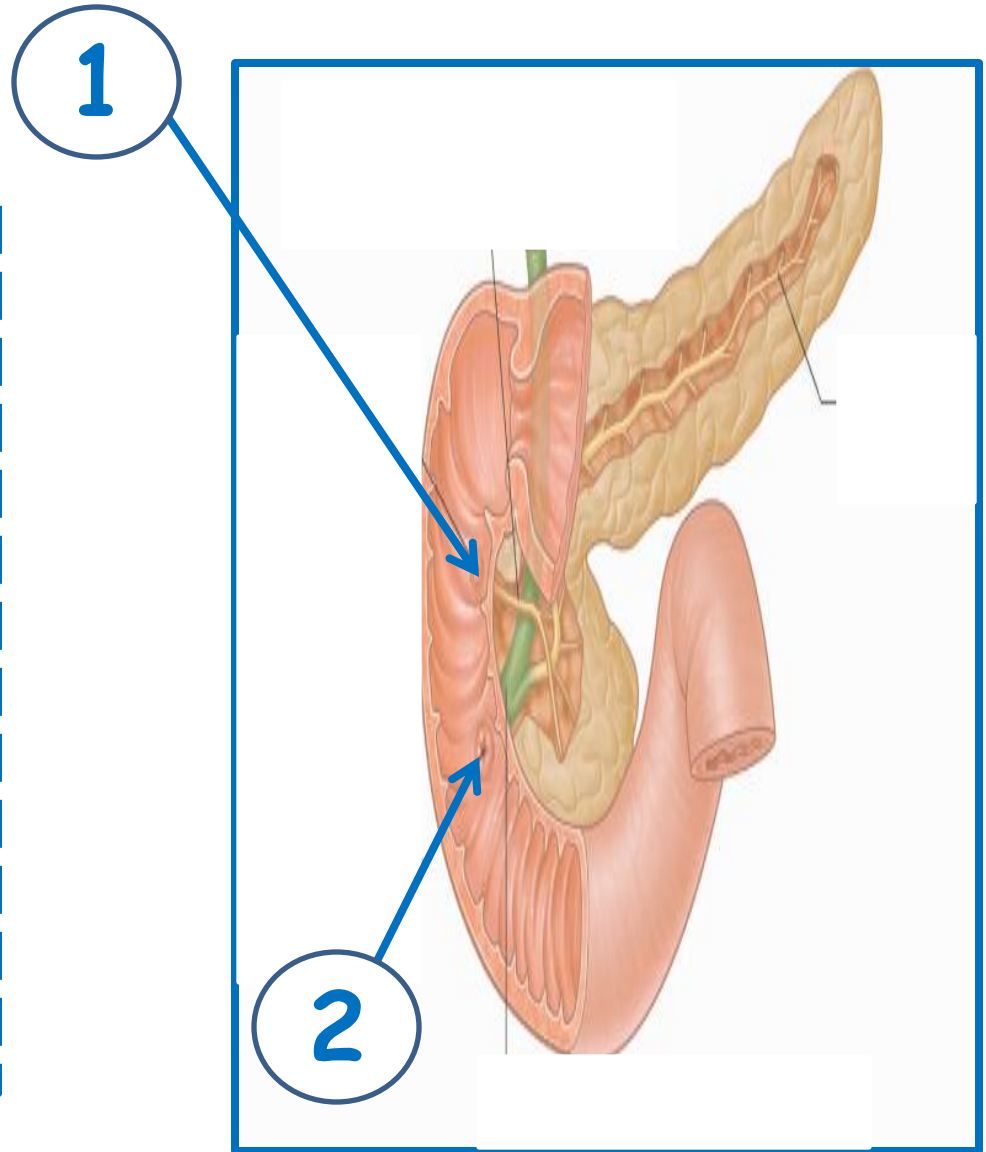
*openings in

second part of duodenum;

*Common opening of bile duct & main pancreatic duct: on summit of major duodenal papilla *2*.

*Opening of accessory pancreatic duct (one inch higher): on summit of minor duodenal papilla*1*.

-Cancer of the Head of the Pancreas will lead to Obstructive Jaundice .

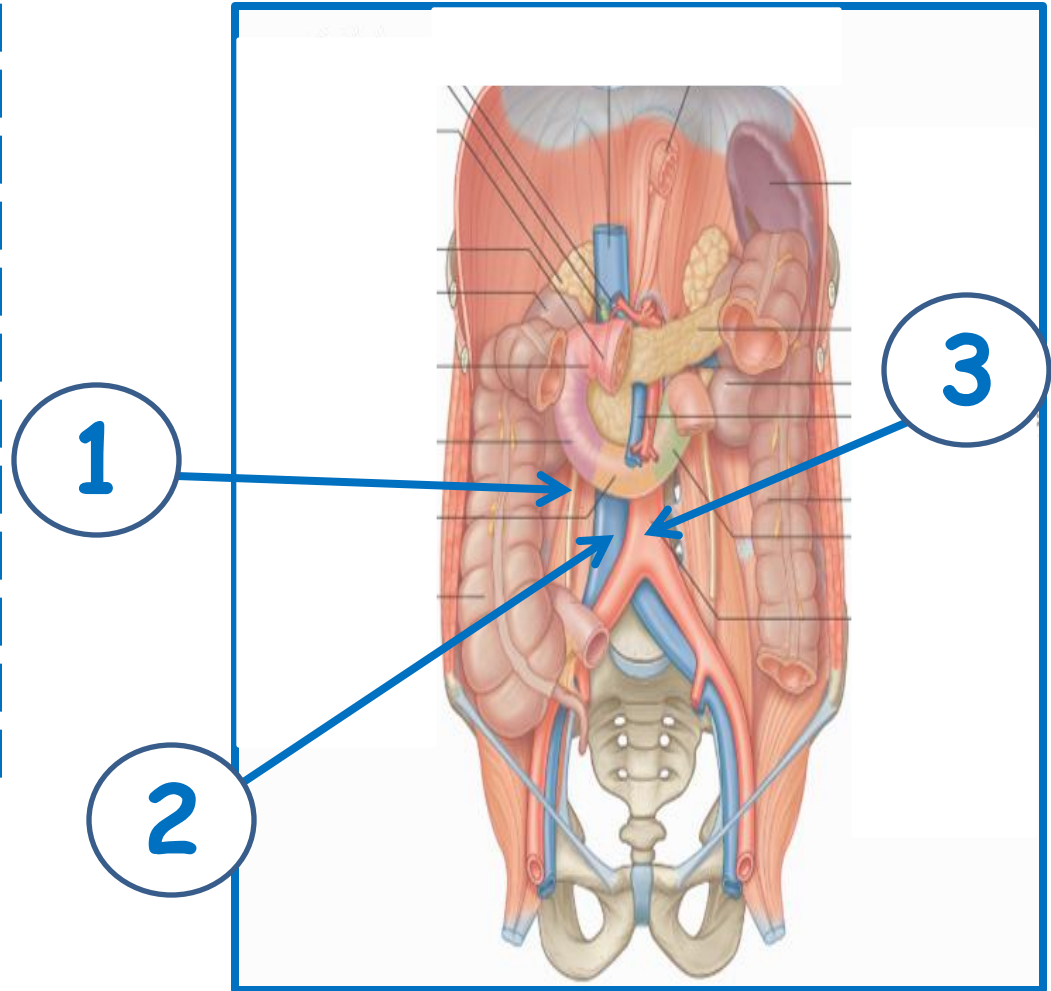


Relations Of the Third Part

*Identify The Pointed Areas

∴

- 1- Right psoas major (Posterior).
- 2- Inferior vena cava (Posterior)
- 3- Abdominal aorta (Posterior)
- 4- **Inferior mesenteric vessels (Posterior).**
- 5- Small intestine (Anterior)
- 6- **Superior mesenteric vessels (Anterior).**

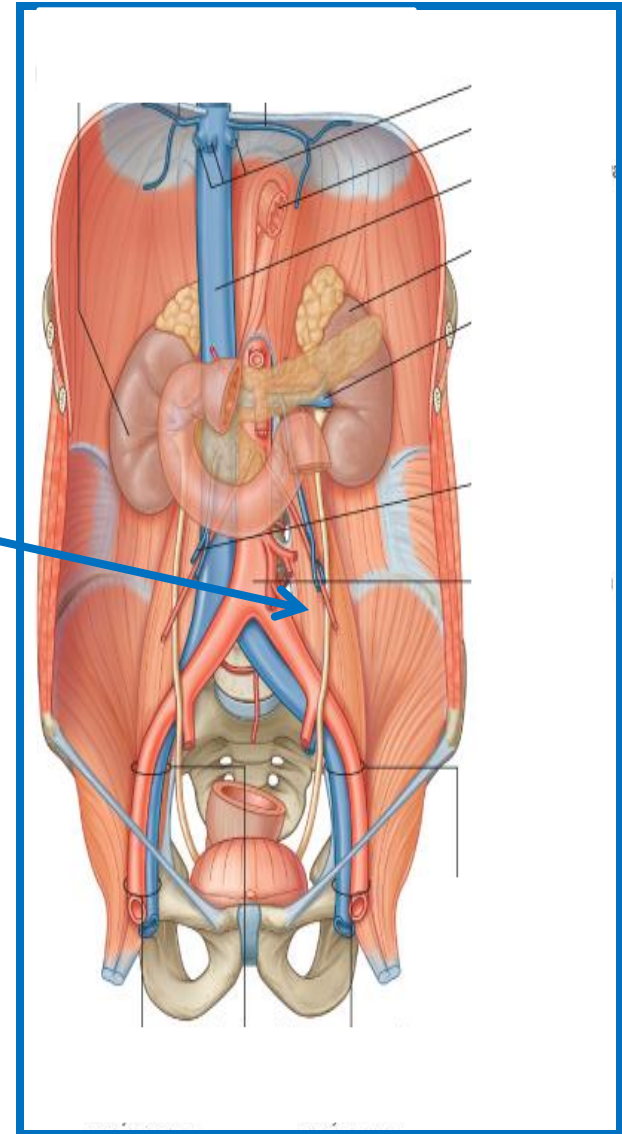


Relations Of the Furth Part

*Identify The Pointed Areas ;.

- 1- Left psoas major (Posterior).
- 2- Small intestine (Anterior)

1



Arterial Supply

The duodenum is supplied by the superior and inferior **pancreaticoduodenal** arteries from hepatic of celiac and superior mesenteric arteries respectively.

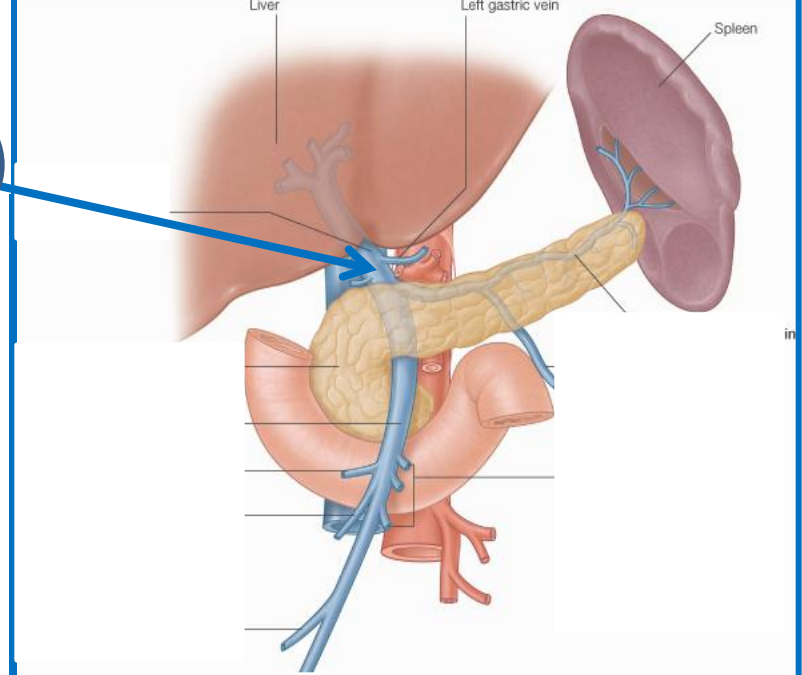
*Identify The Pointed Areas

∴

- 1- Portal Vein.
- 2- Superior mesenteric vessels .
- 3- Inferior vena cava.
- 4- Abdominal aorta.



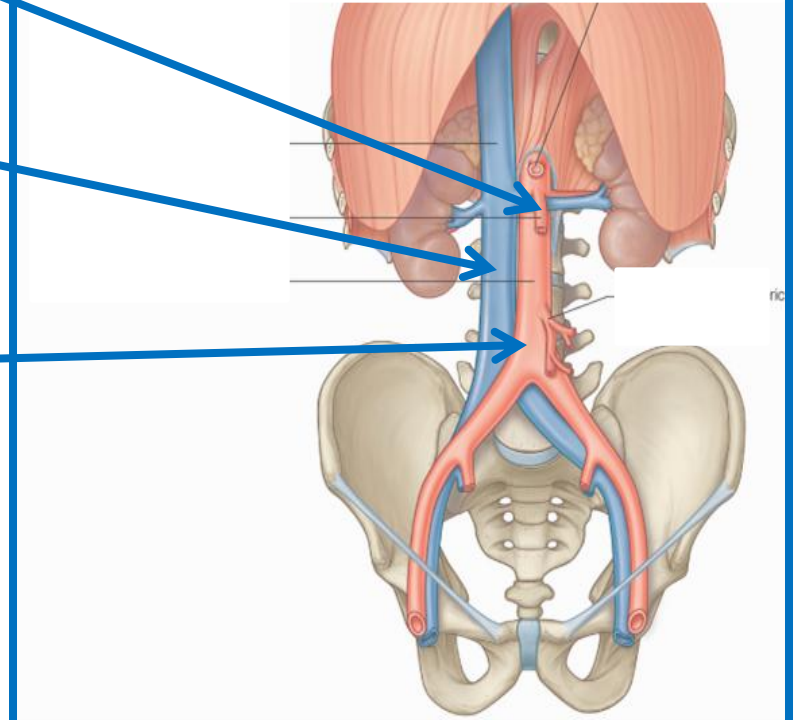
1



2

3

4





*jejunum & ileum;.

- beginning: at duodeno-jejunal flexure
- termination: at ileo-caecal junction
- embryological origin: midgut
- blood supply: superior mesenteric artery & vien.



*the **Root Of Mesentry** (fan shaped peritoneal fold) 6 inches in tall and it connects the **duodenojejunal junction** to the **ileocecal junction**



