

Pancreas

- pancreas is soft, elongated exocrine gland.
- exocrine part \rightarrow pancreatic juice.
- endocrine part \rightarrow hormones.

Location

- epigastric & left hypochondriac region.
- Concavity of duodenum to hilum of spleen.

Size & shape

- J shaped, set obliquely.
- length = 12-15 cm.
- width = 3-4 cm.
- Thickness = 1.5-2 cm.
- weight = 80-90 g.

parts

- Head { with uncinate process }
- neck
- body { ^{with} tubular omentum }
- tail

Head.

- disc-shaped right end of pancreas.
- lies in concavity of C-shaped duodenum.

Features

- 3 borders → superior, inferior, right lateral.
- two surfaces → anterior, posterior.
- one process → uncal process.

Relations From figure.

- Superior border → first part of duodenum
superior pancreaticoduodenal artery
- Inferior border → 3rd part of duodenum.
inferior pancreaticoduodenal artery.
- right lateral border → 2nd part of duodenum.
- Anterior surface →
 - gastroduodenal artery ✓
 - transverse colon ✓
 - transverse mesocolon ✓
 - Jejunum ✓
- posterior surface →
 - IVC ✓
 - left renal vein ✓
 - bile duct ✓
 - right crus of diaphragm ✓

uncinate process → Superior mesenteric vessels {anteriorly}
abdominal aorta {posteriorly}

Neck of pancreas

• 2.5 cm long: connects head to body.

External features: 2 Surfaces A, P.
2 borders S, I.

relations: In Text

anterior: pylorus of stomach.

posterior: formation of portal vein.

upper border: first part of duodenum.

lower: root of transverse mesocolon.

Body (Δ)

• Extending from neck to tail.

• 3 borders, 3 Surfaces.

A, P, I

A, P, I

• one process - lesser omentum.

