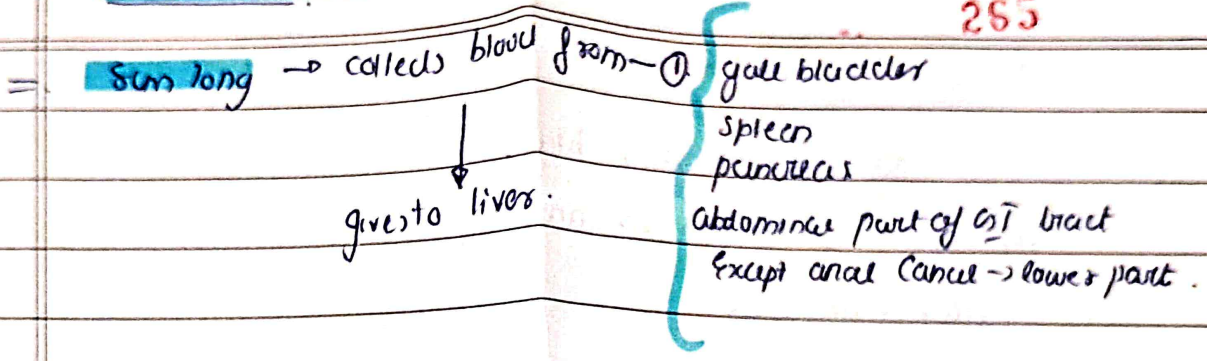
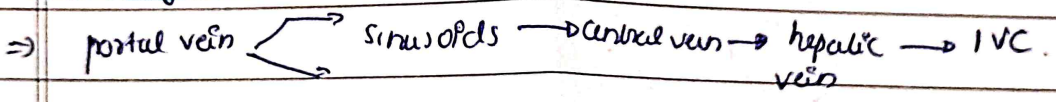


PORTAL VEIN

255



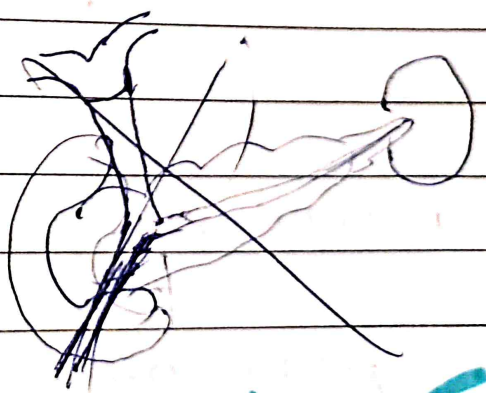
⇒ **devoid of valves**

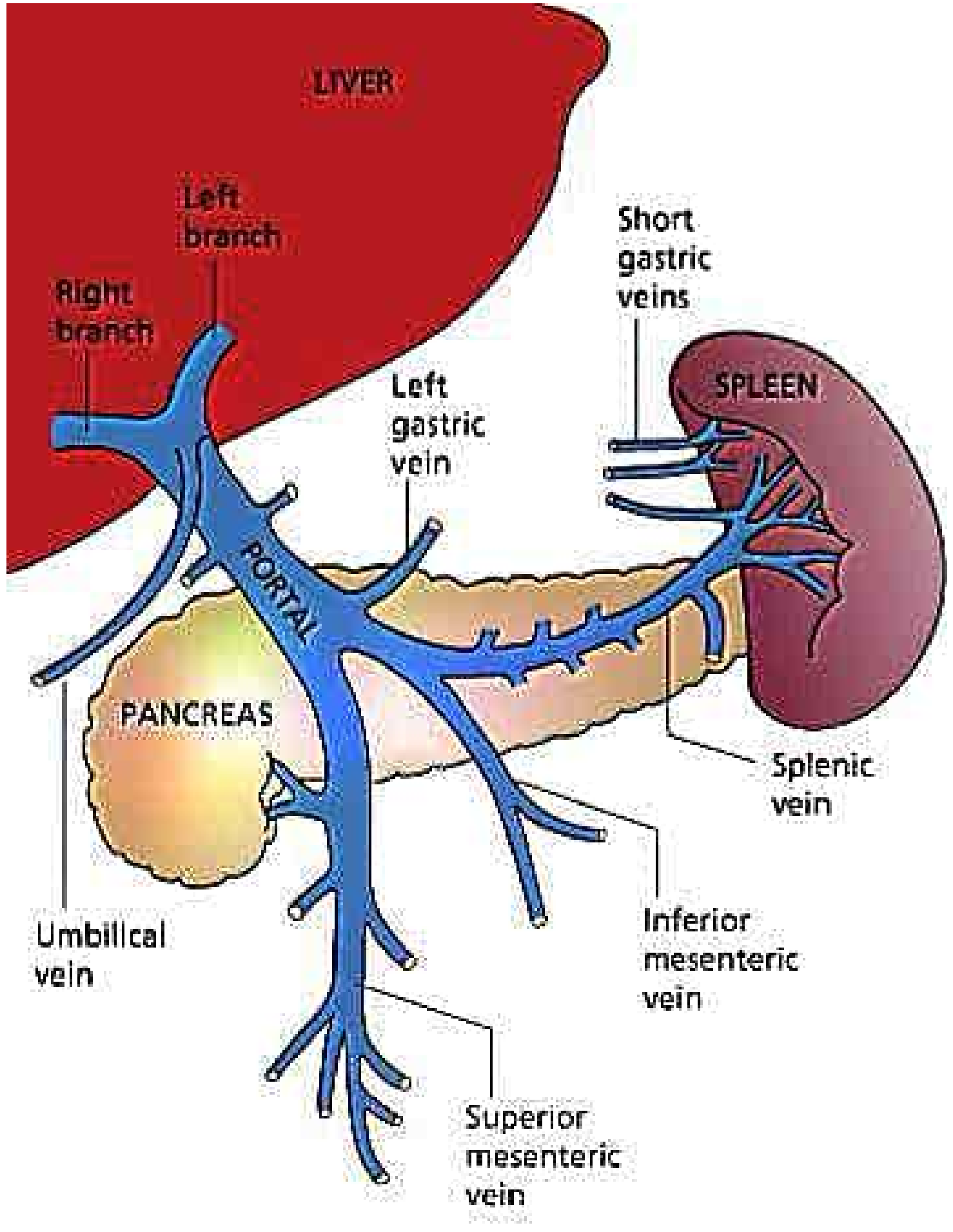


Formation

Union of **superior mesenteric vein** & **splenic vein** behind neck of pancreas

@ L2





Course: 4

Termination

Runs upwards - slightly to right -> behind neck of pancreas -> first part of duodenum

free end of lesser omentum

parts -> Supraduodenal

subduodenal

infraduodenal

right end of porta hepatis

right & left branches

shorter

longer

hepatic vein

right lobe

left lobe

Postocaval anastomoses

★★

sites of communication btw
tributaries of portal vein and
inferior vena cava.

Figure 1.

(1) Umbilicus

portal vein branch

paraumbilical vein

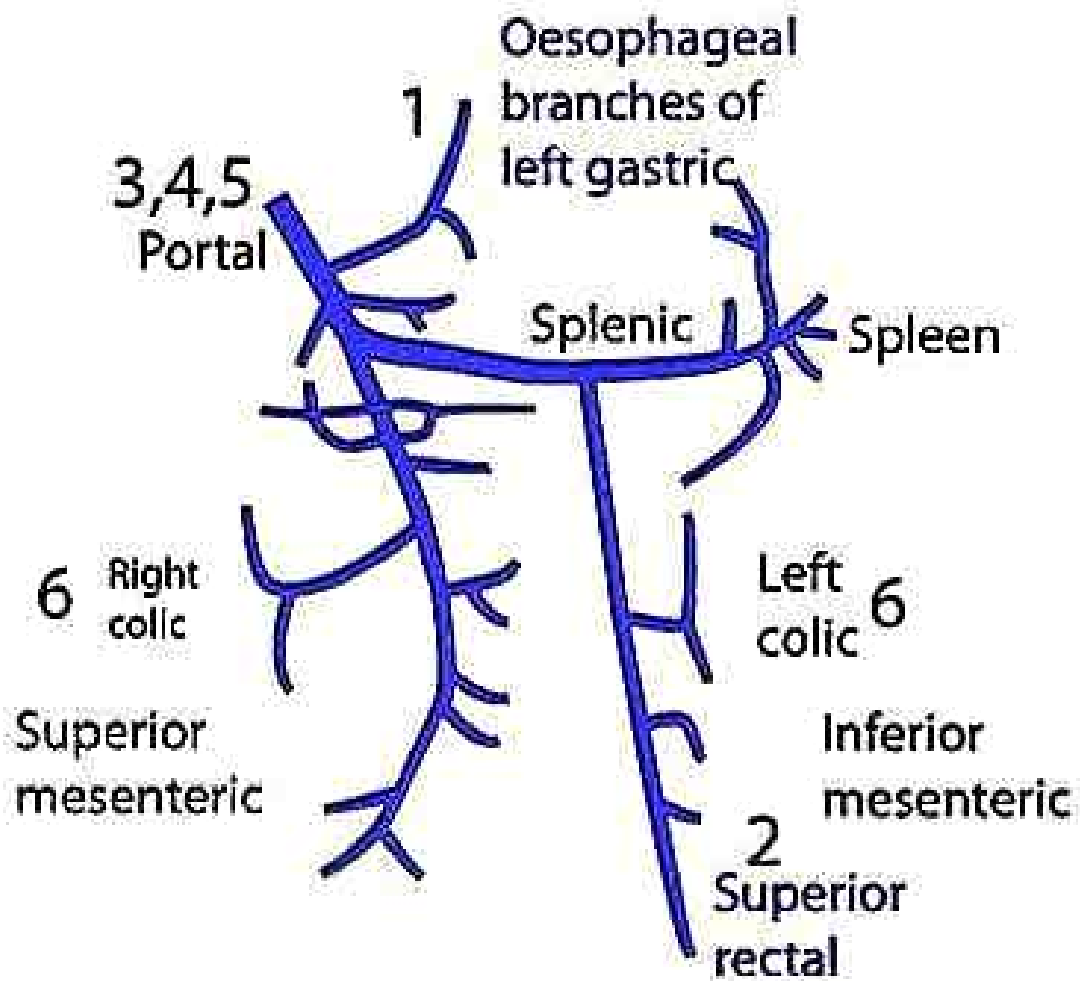
portal tributary

systemic vein

- ① Superior epigastric & left thorax from above
- ② Inferior epigastric, inf. thorax below
- ③ Posterior (intercostal & lumbar veins) from side.

Caval tributary.

PORTOSYSTEMIC ANASTOMOSES



① Umbilicus

portal vein branch

paraumbilical vein

portal tributaries

splenic vein

- ① Superior epigastric & lat thorax from above
- ② Inferior epigastric, inf. thorax below
- ③ Posterior intercostal & lumbar veins from side.

Cervical tributaries

applied portal hypertension → blood from portal vein

is directed into systemic tributaries.



dilation & tortuous cervical tributaries



radicals from umbilicus like spokes of wheel.



Caput medusae - clinical sign.

②

lower end of oesophagus

Caval tributaries → Esophageal tributaries of azygos hemazygos
portal tributaries → Esophageal tributaries of left gastric vein.

Applied in portal hypertension:

↓
blood from ~~caval~~ portal tributaries is
diverted to caval bulb

↓
distend, dilate & tortuous (caval tributaries)

↓
Oesophageal varices*

↓
may bleed causing hematemesis.

Anal Canal. → in mid anal canal → near pectinate line

Canal T → middle of inferior rectal vein.

postal T → superior rectal vein.

Applied anatomy → In postae hyperension

radicals of superior rectal vein.

In anal Columns, dilated.

→ not inferior



Internal hemorrhoids/pile.

Bare area of Liver

hepatic venules. — ~~central~~ ~~tributary~~ portal

phrenic and subcostal veins — ~~portal~~ central tributaries.

posterior abdominal wall

Superior and inferior ^{portal} mesenteric veins draining retroperitoneal organs.

↑
anastomose.
↓

retroperitoneal veins of abdominal wall & renal capsule