

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



FINAL | Lab 5

Anatomy of Rectum, Anal canal, Posterior Abdominal wall, Liver, Gallbladder, Pancreas, and Spleen.

وَإِنْ تَتَوَلَّوْا يَسْتَبَدِلْ قَوْمًا غَيْرَكُمْ ثُمَّ لَا يَكُونُوا أَمْثَلَكُمْ

اللهم استعملنا ولا تستبدلنا

Written by: Layan Fawarseh



اللهم إني أسألك علماً نافعاً ورزقاً طيباً وعملاً متقبلاً
بسم الله

- Slides index:

Rectum: 3-9

Anal canal: 10-13

Posterior Abdominal wall: 14-19

Liver: 20-28

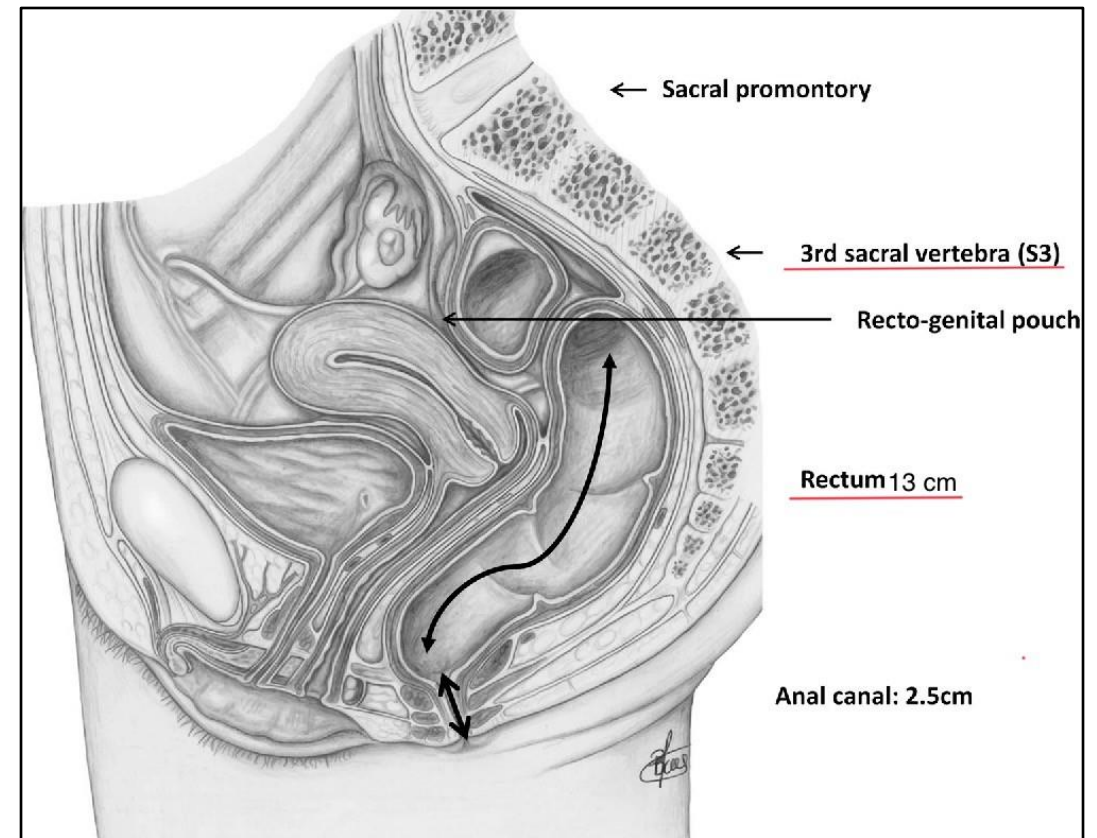
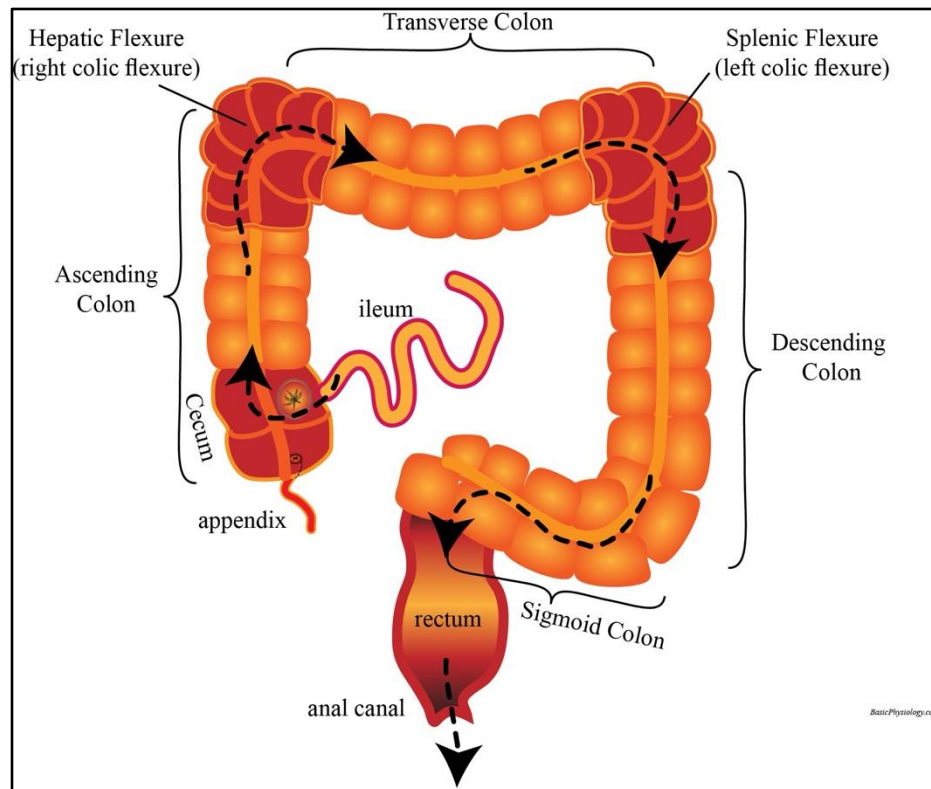
Gallbladder: 29 - 33

Pancreas: 34-40

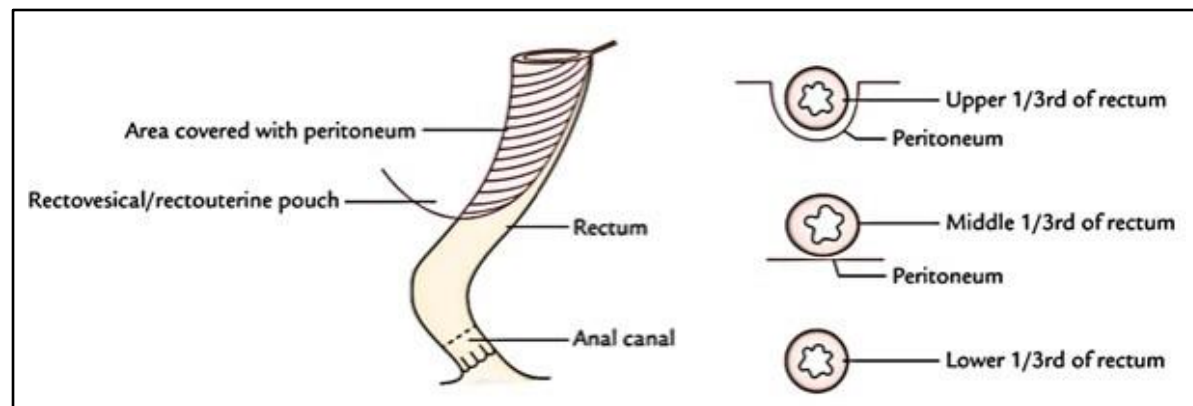
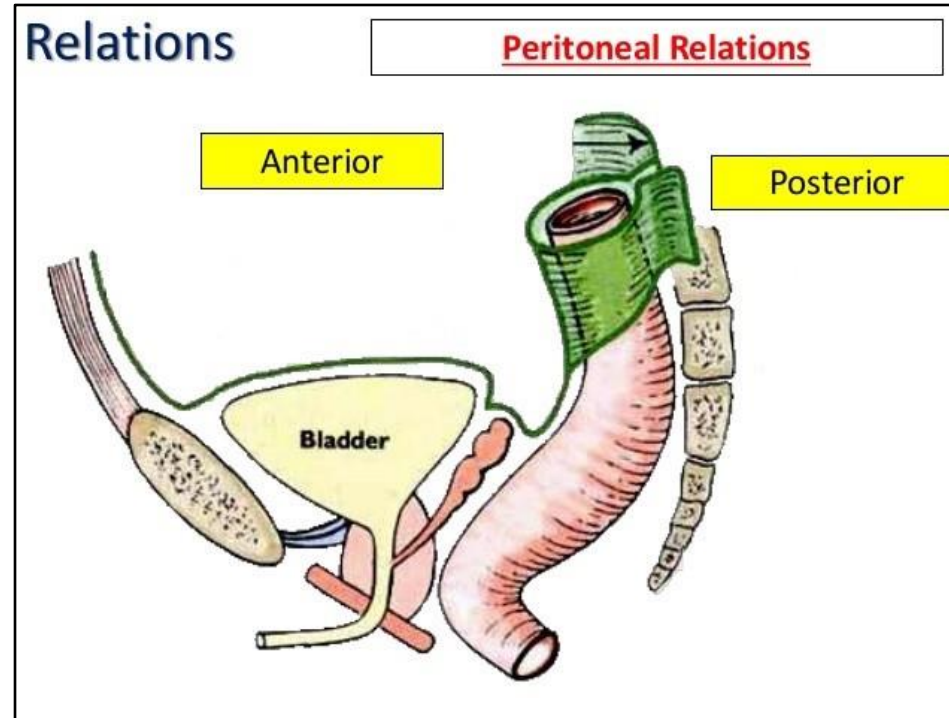
Spleen: 41-47

Rectum

1- Site and Position of the rectum



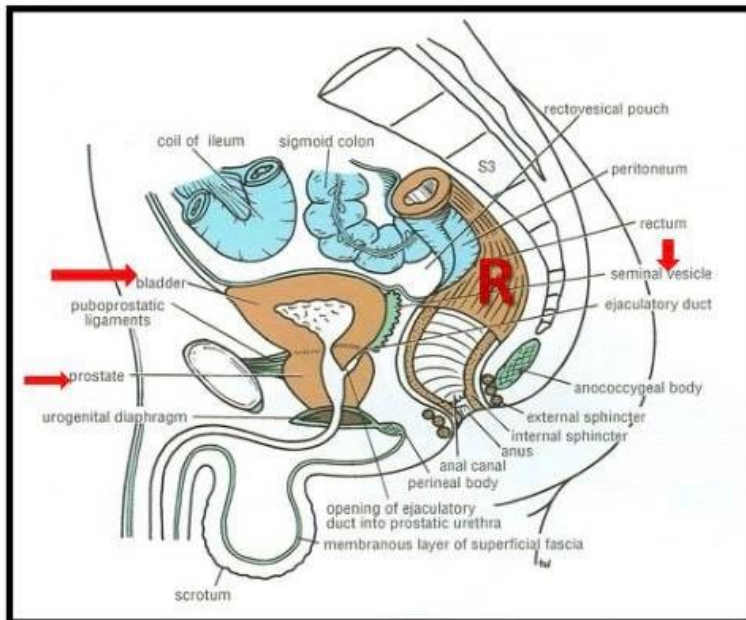
2- Peritoneal Relations of the rectum



3- Relations of the rectum

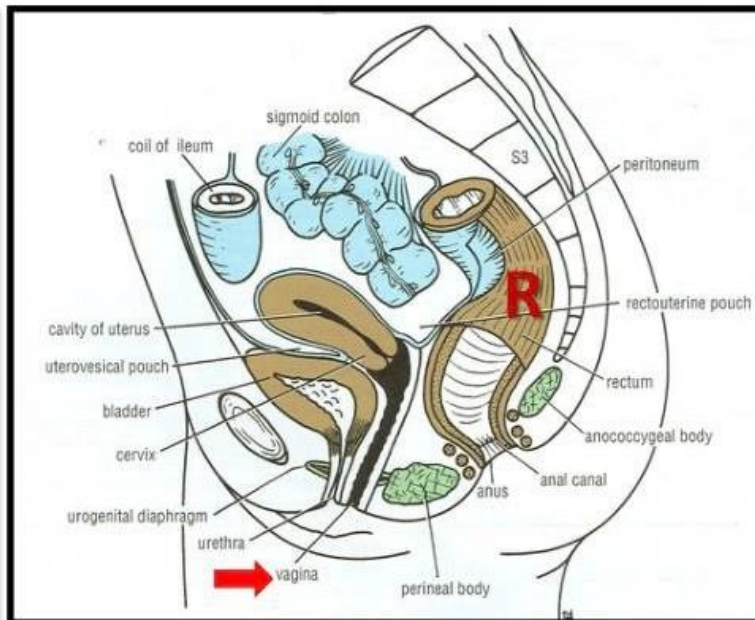
MALE PELVIS

- ❑ **Anterior:** seminal vesicles, posterior surfaces of urinary bladder & prostate gland
- ❑ **Posterior:** sacrum & coccyx



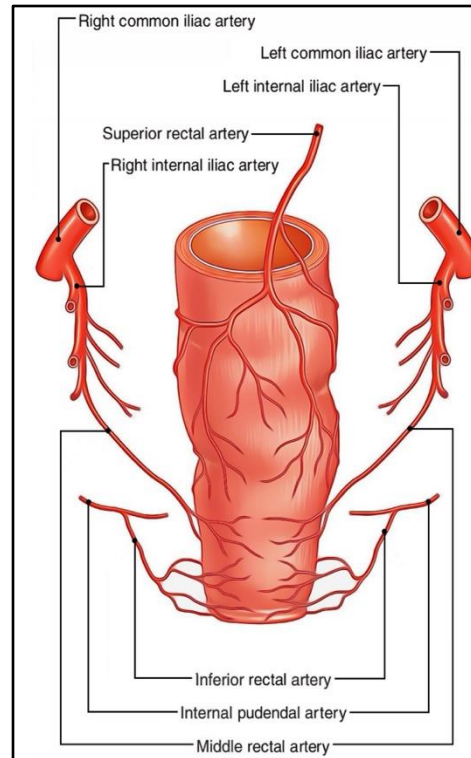
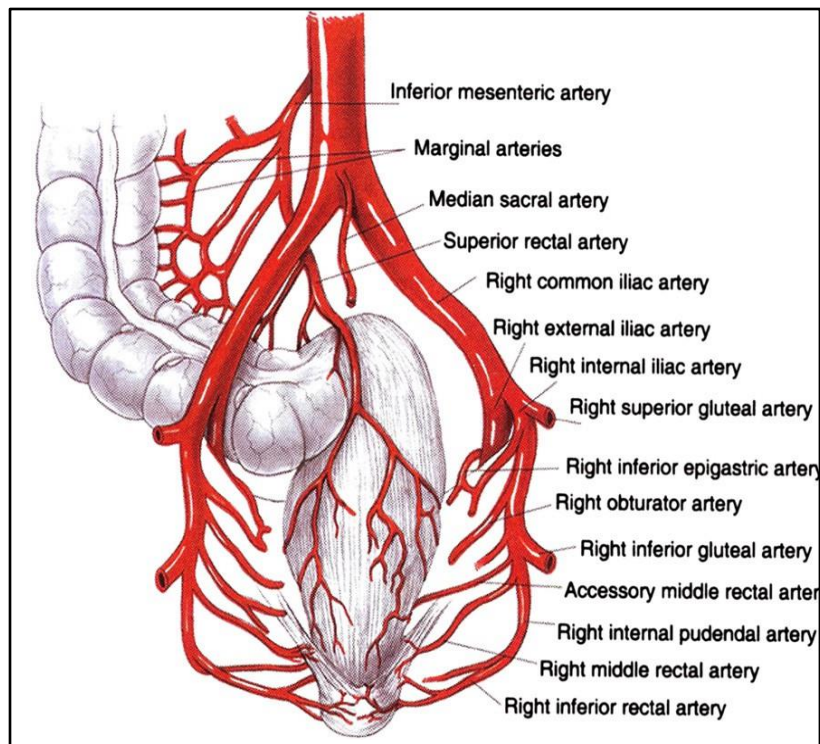
FEMALE PELVIS

- ❑ **Anterior:** posterior wall of vagina
- ❑ **Posterior:** sacrum & coccyx

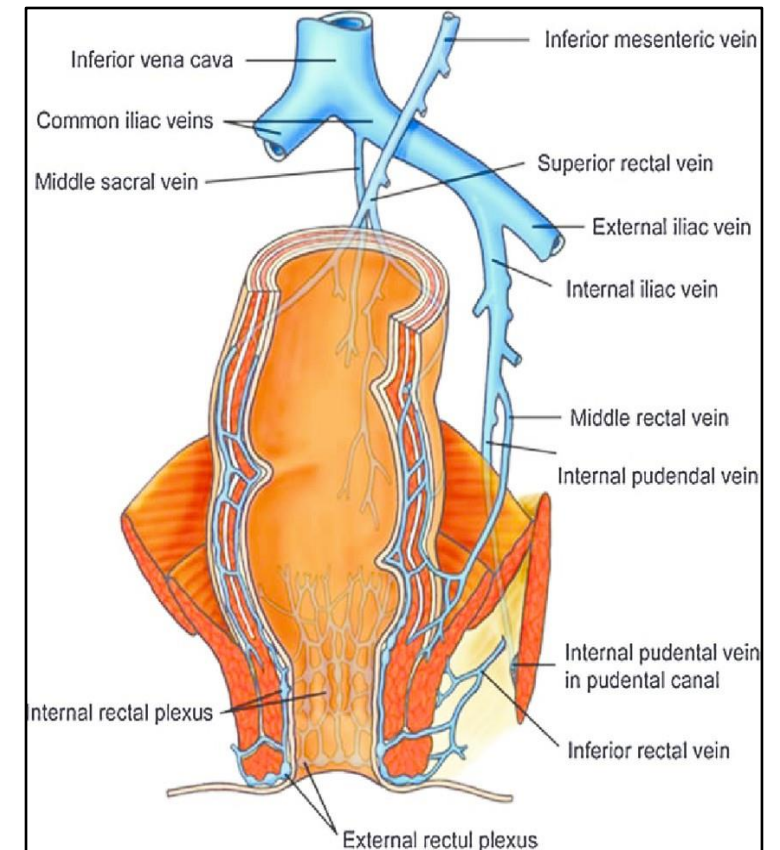


4- Blood supply of the rectum

- Arterial supply:

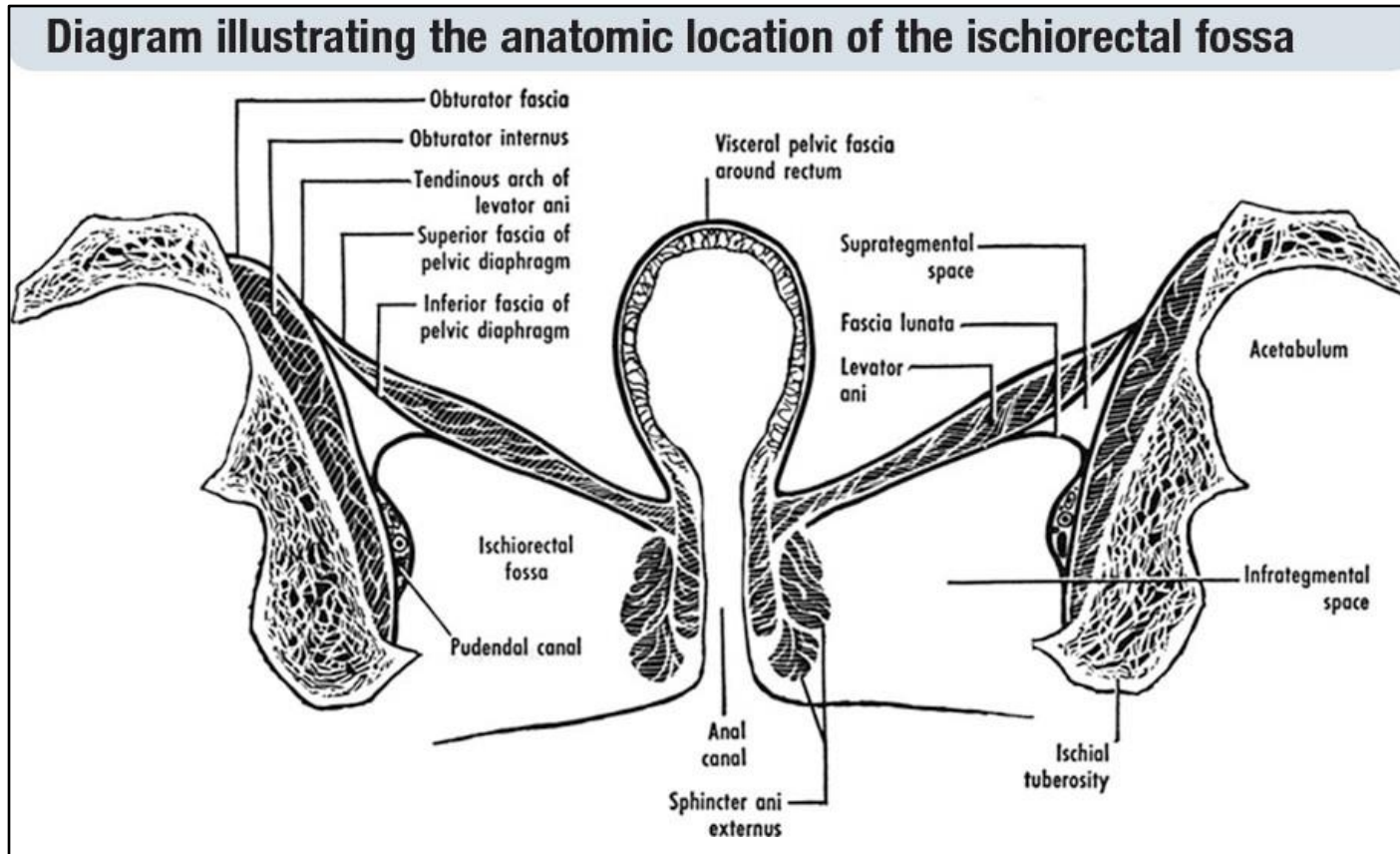


- Venous drainage:



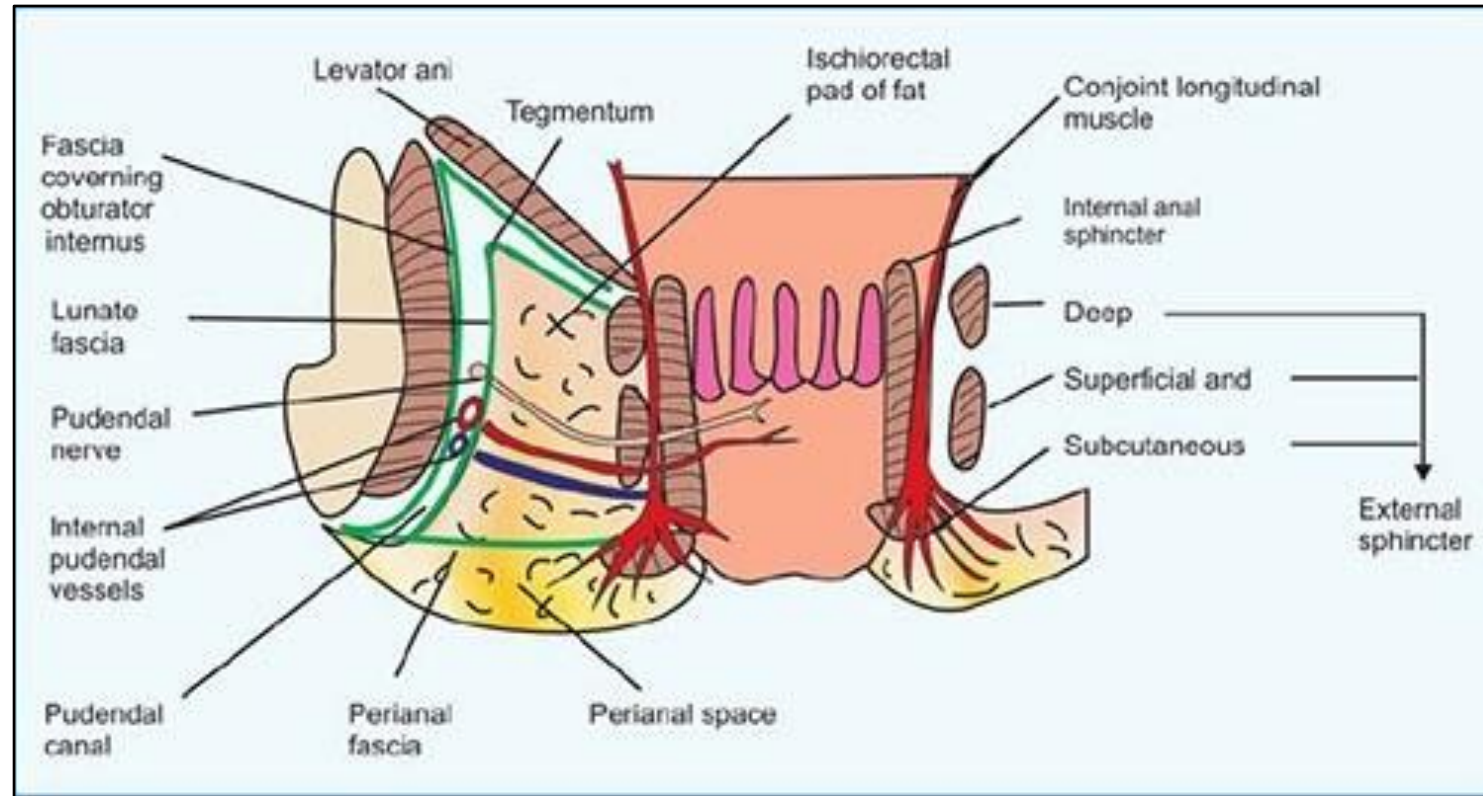
Ischiorectal Fossa

A- Boundaries:



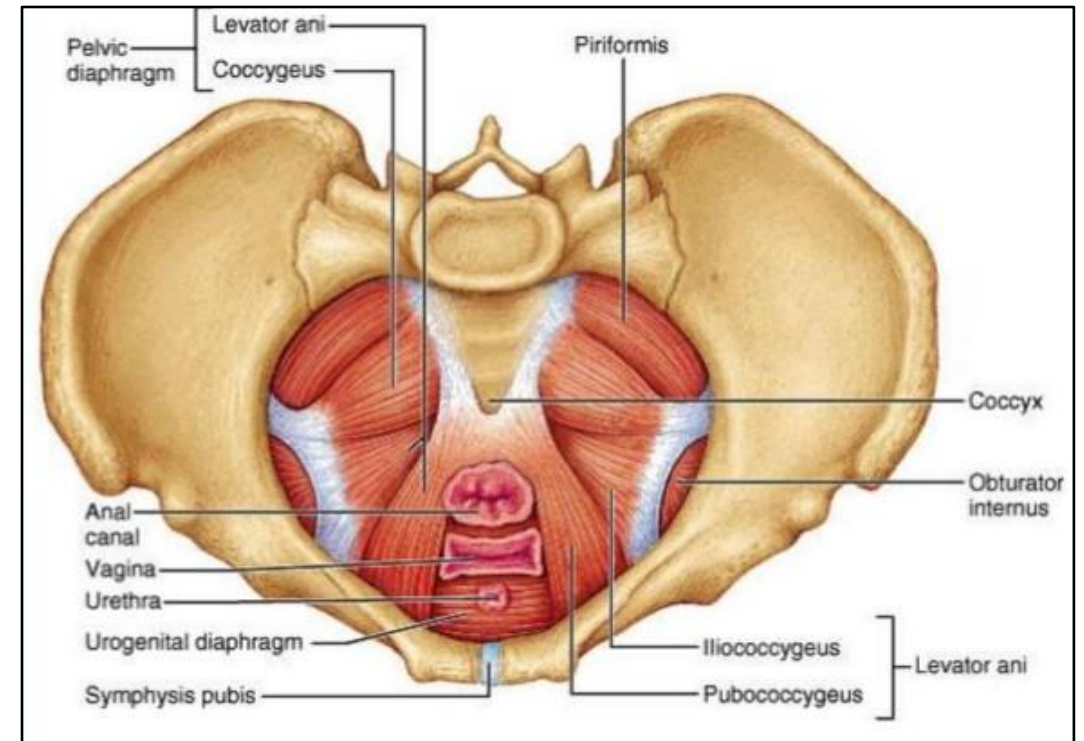
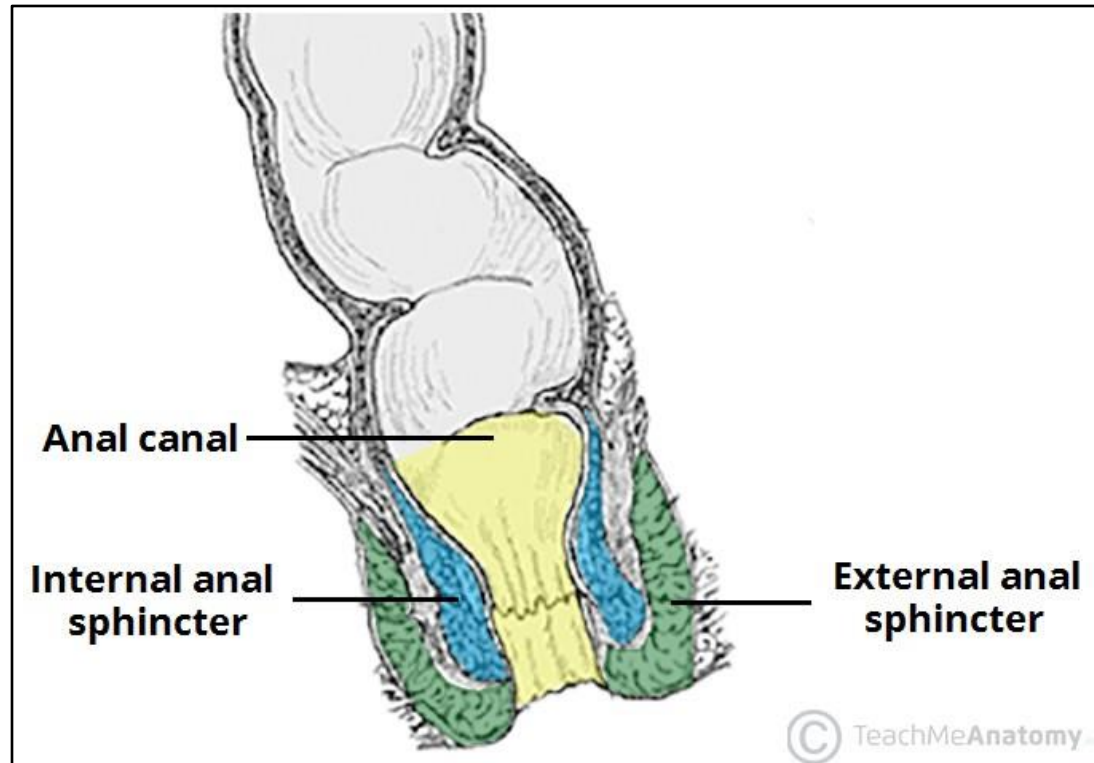
Ischiorectal Fossa

B- Contents:



Anal Canal

1- Site and Position of the anal canal



2- Peritoneal Relations of the anal canal

Relations of anal canal

Anteriorly

In male

- perineal body
- membranous urethra
- bulb of penis

In female

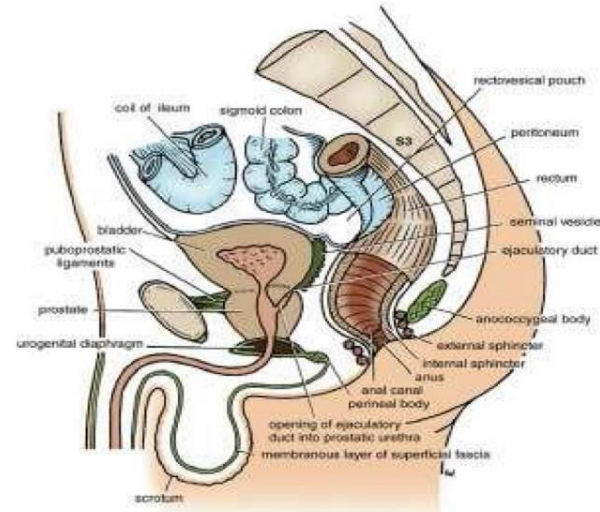
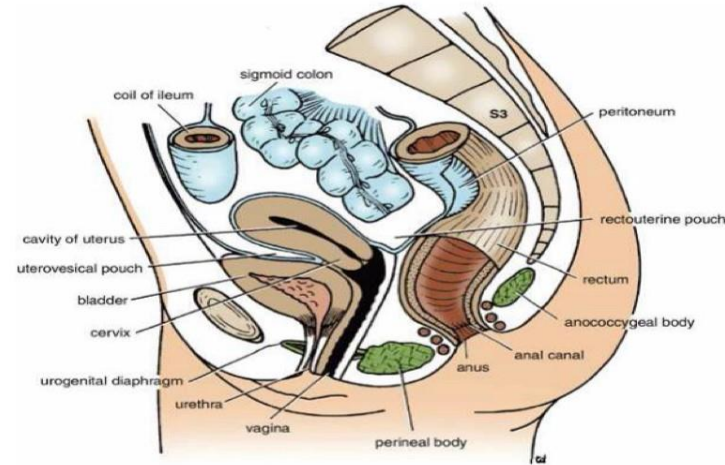
- lower end of the vagina

Posteriorly

- anococcygeal ligament
- tip of the coccyx

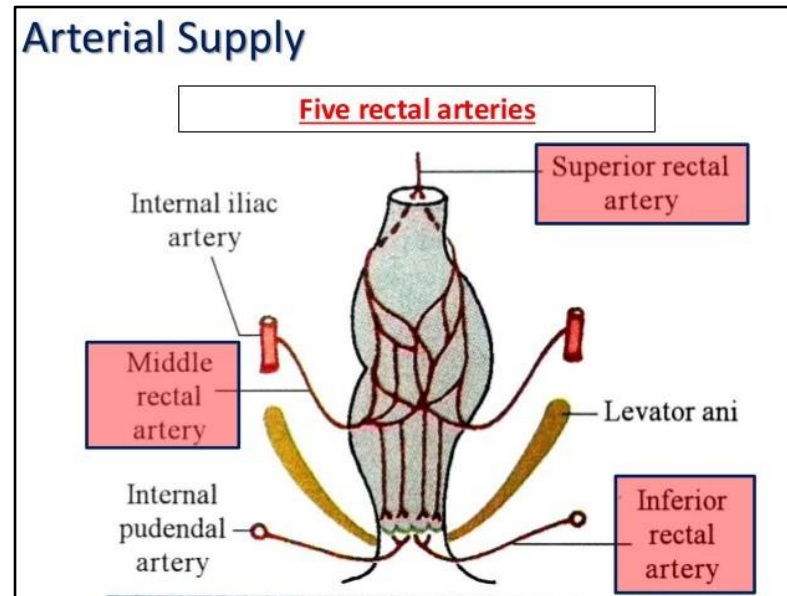
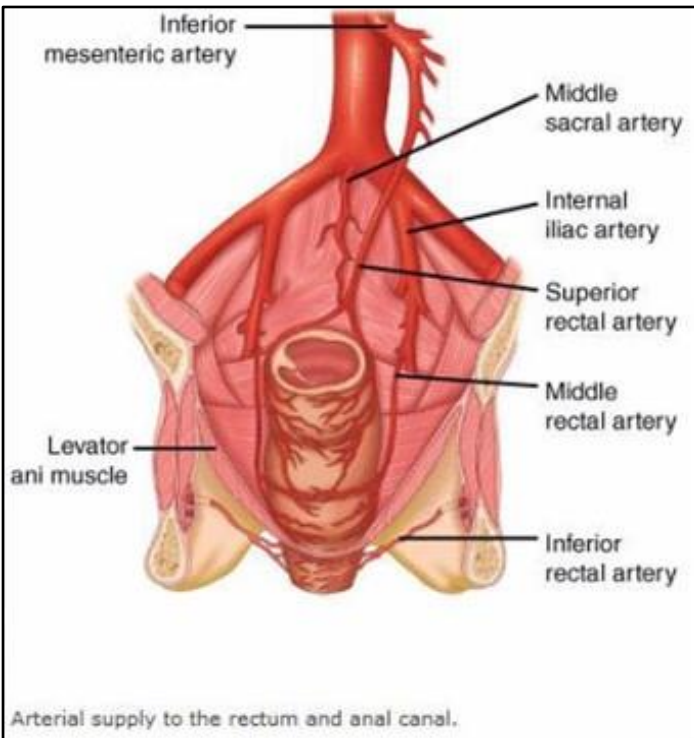
laterally

- ischiorectal fossae.

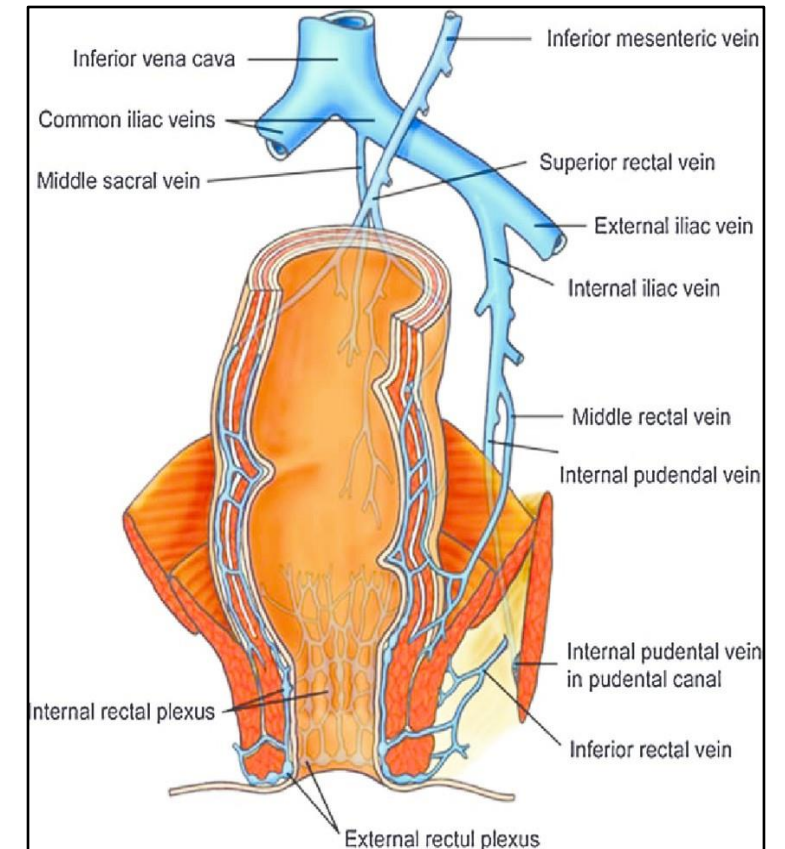


3- Blood supply of the anal canal

- Arterial supply:



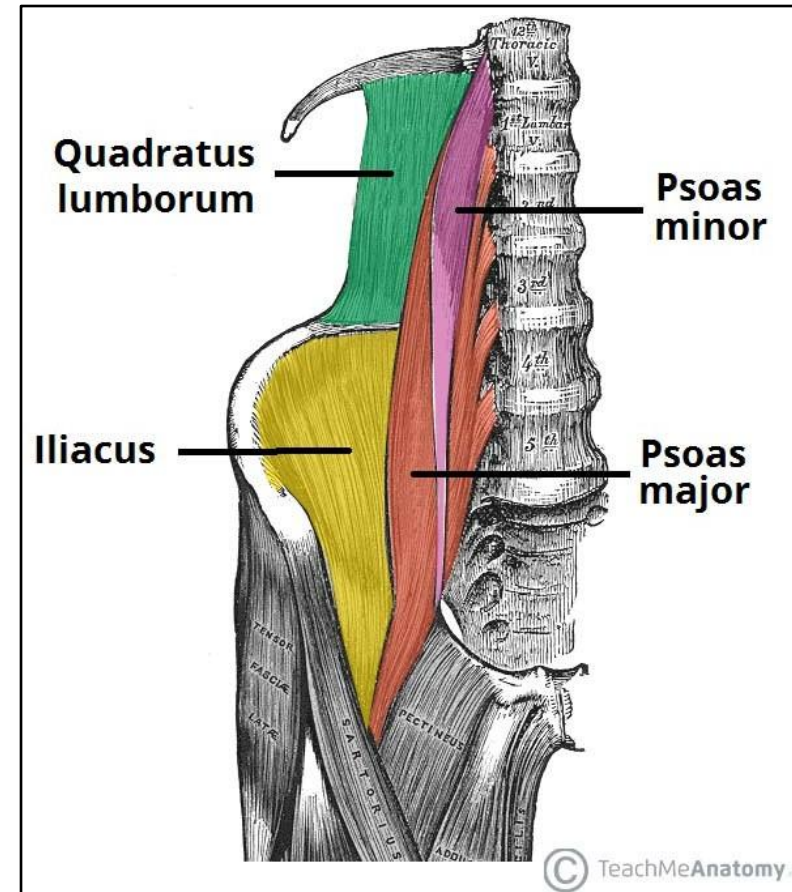
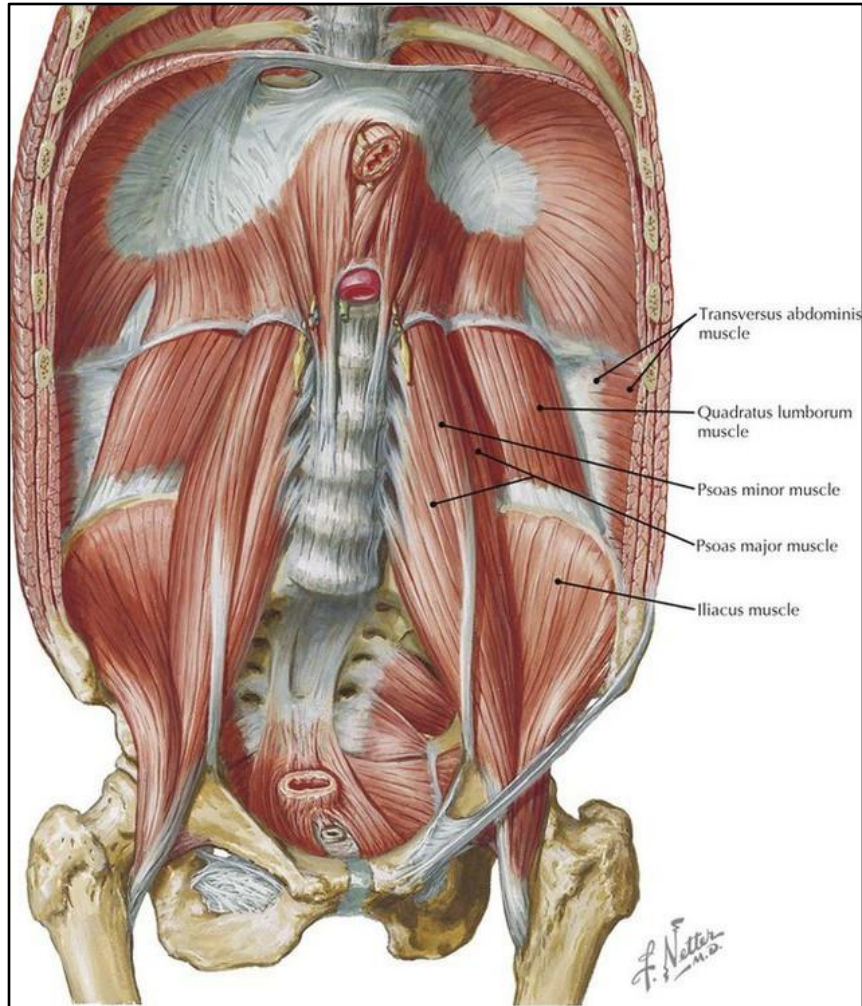
- Venous drainage:



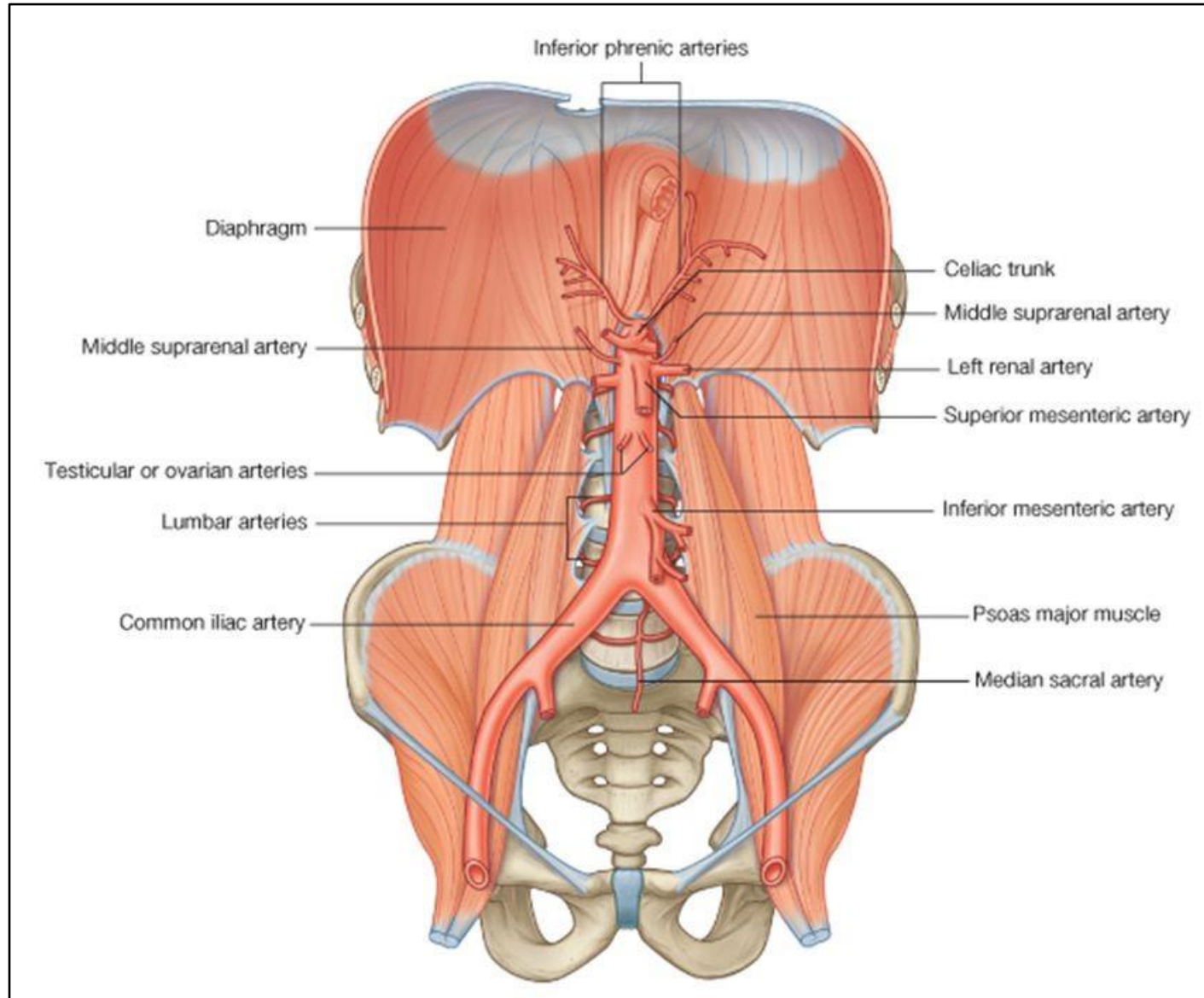
حسبي الله لا إله
إلا هو عليه توكلت
وهو رب العرش
العظيم

Posterior Abdominal Wall

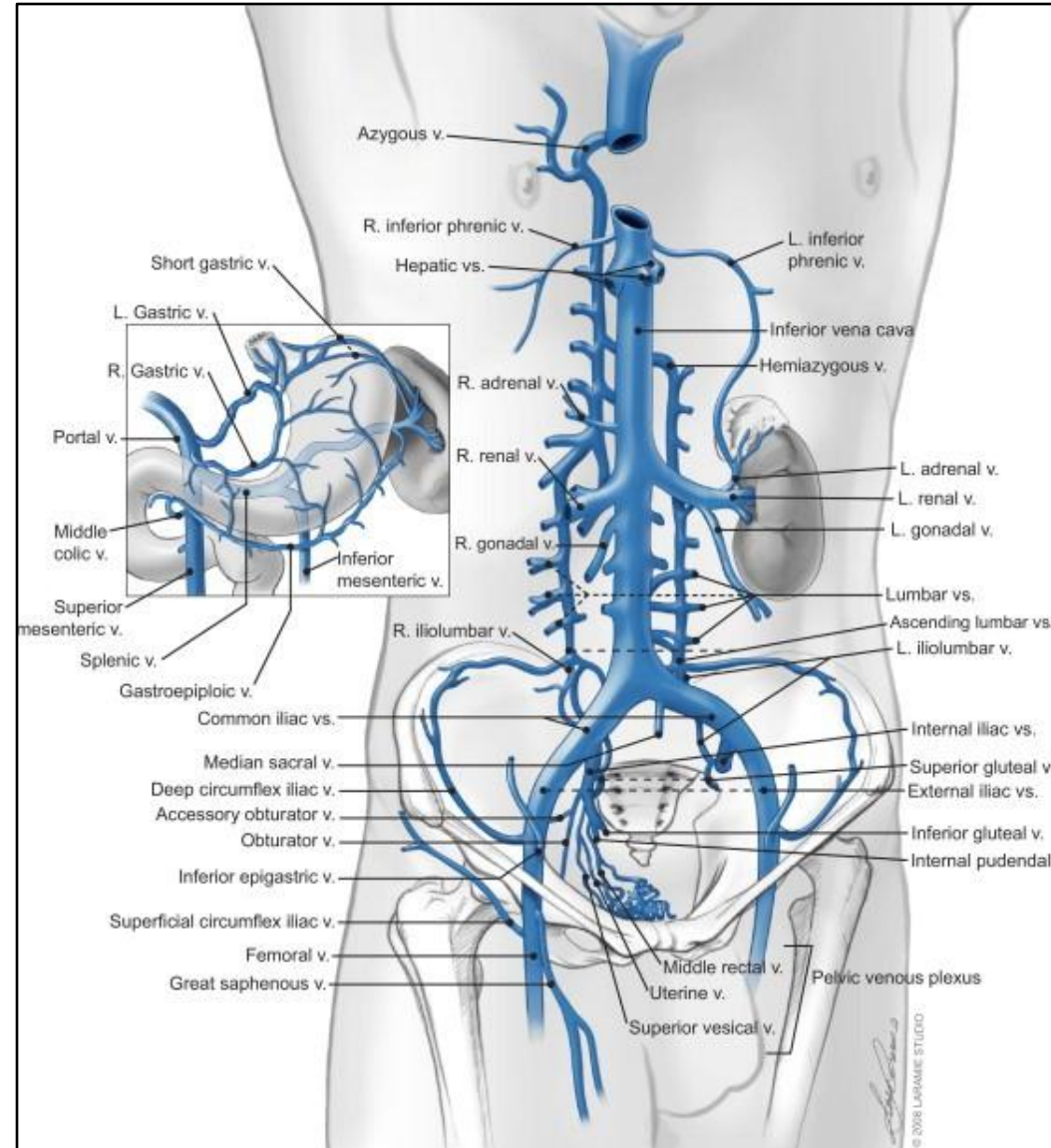
1- Muscles of post.abdominal wall



2- Arteries on the Posterior Abdominal Wall

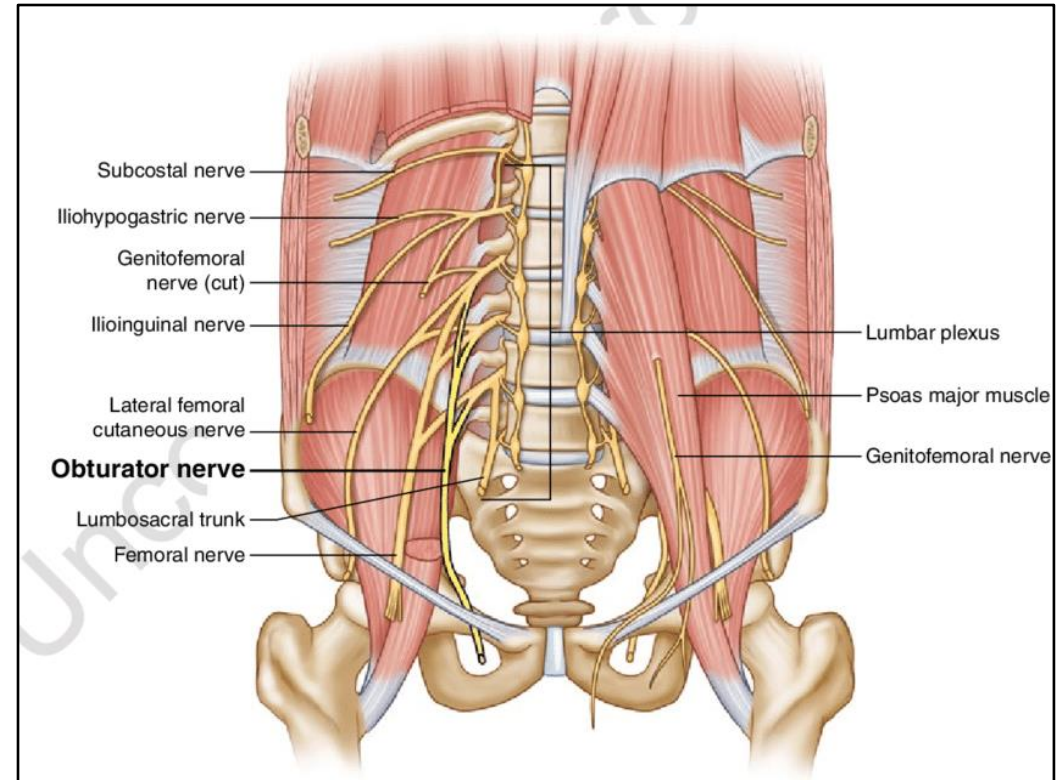
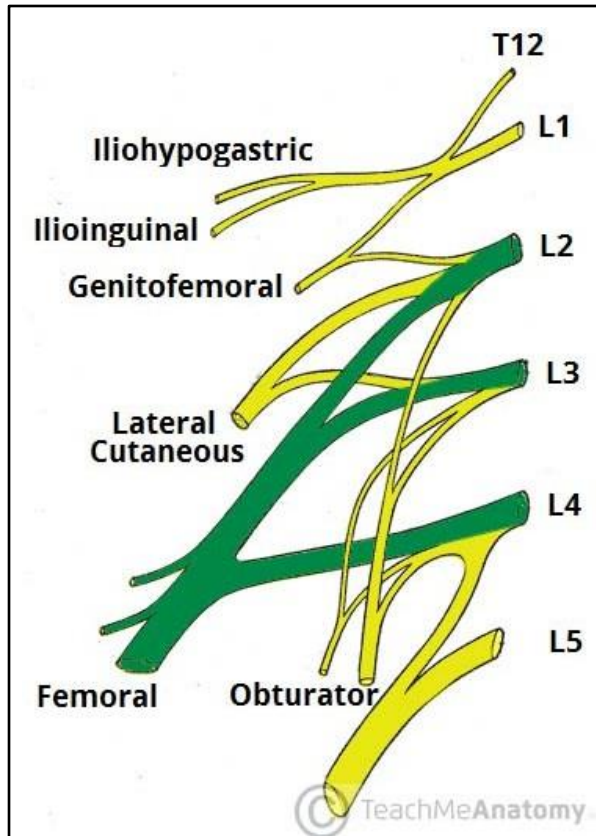


3- Veins on the Posterior Abdominal Wall



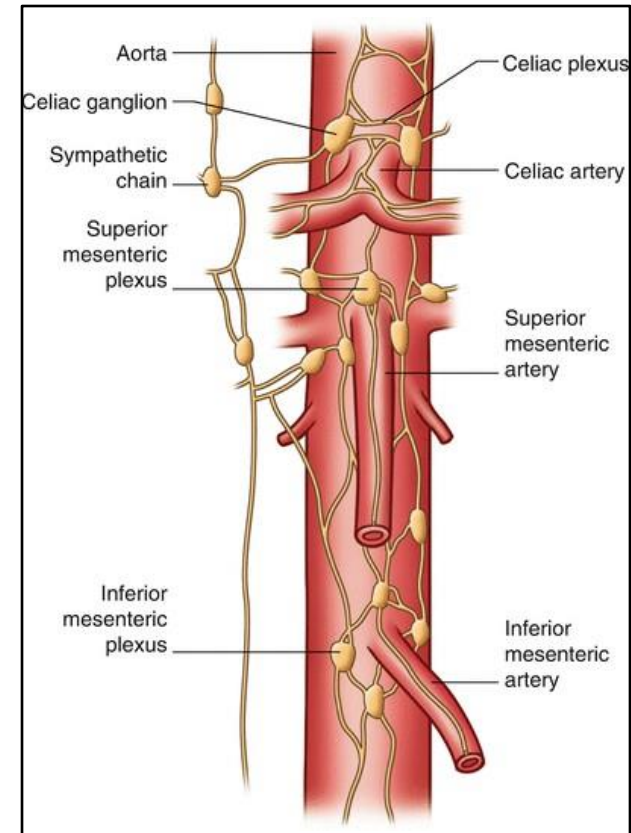
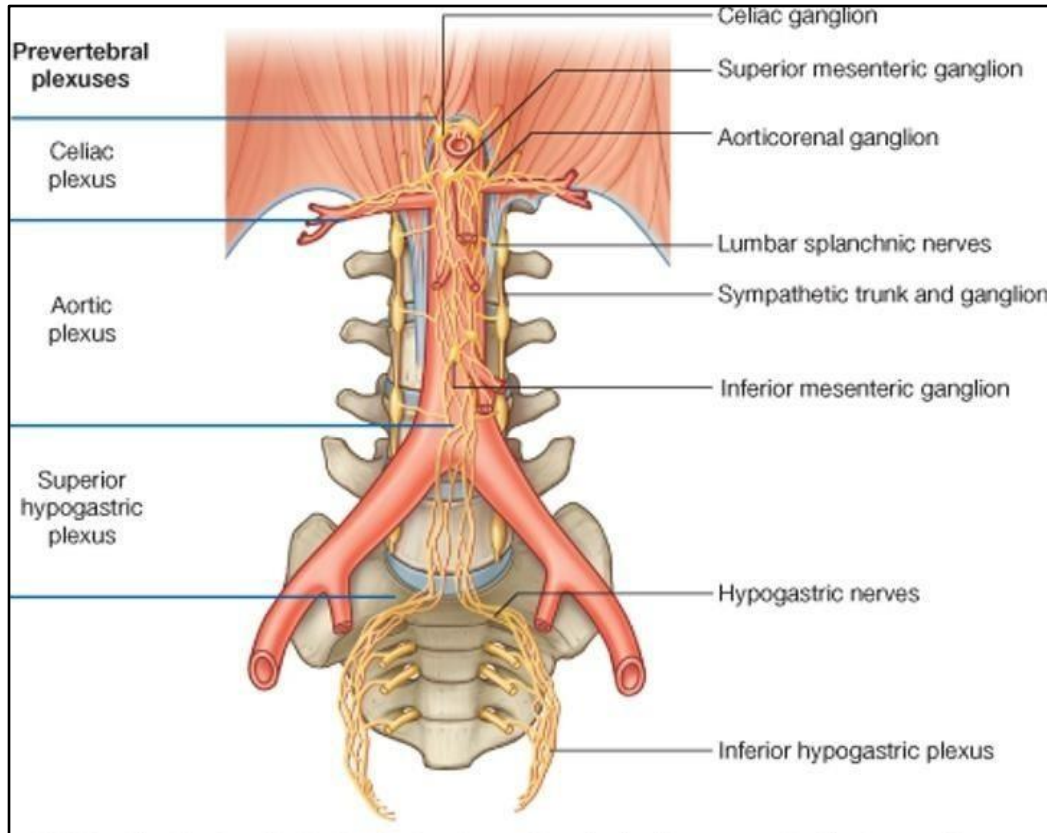
4- Nerves on the Posterior Abdominal Wall

- Lumbar Plexus:



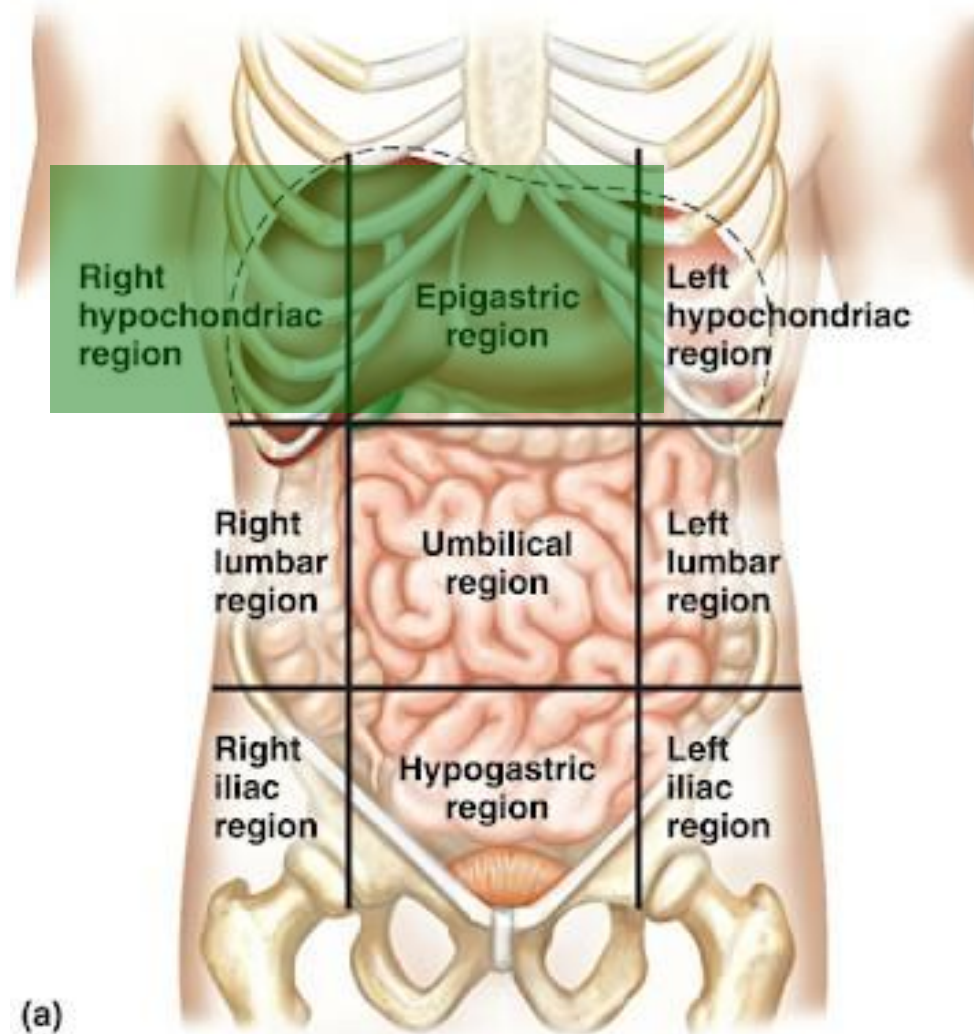
4- Nerves on the Posterior Abdominal Wall

- Sympathetic Trunk (Abdominal Part):



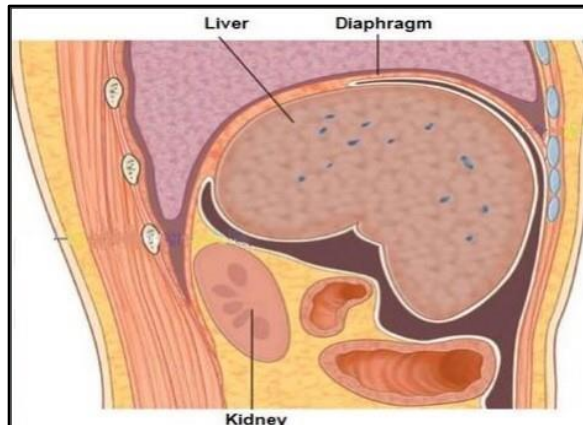
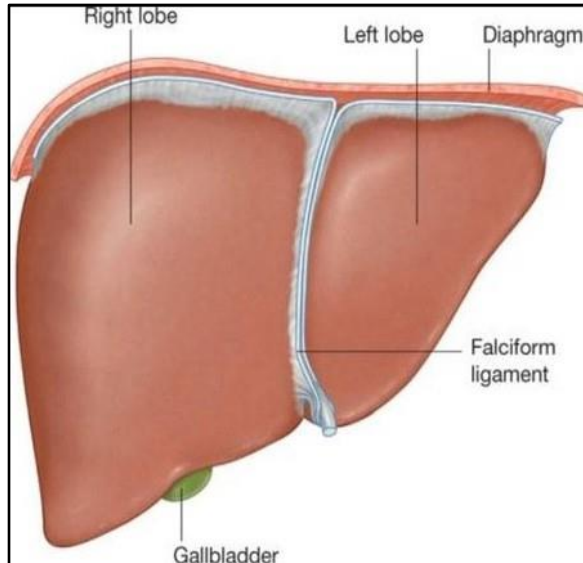
Liver

1- Site of the liver

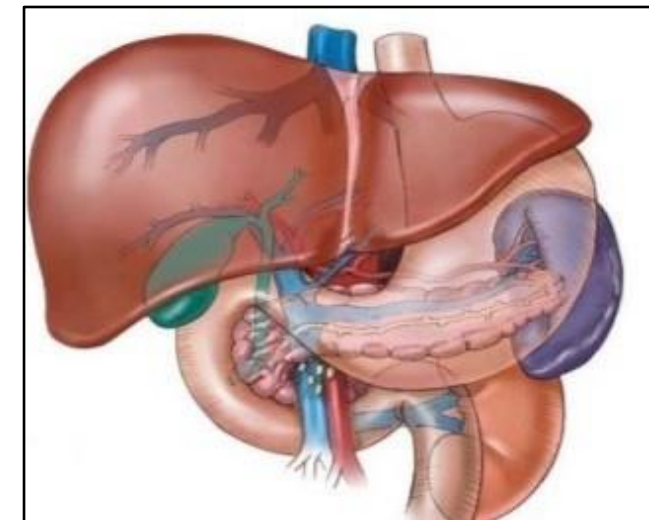
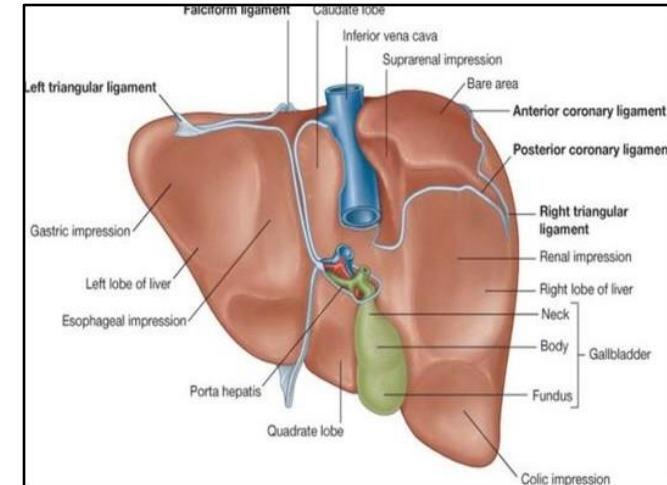


2- Surfaces of the liver

A- Diaphragmatic surface:
(superior, anterior and right
lateral surface)

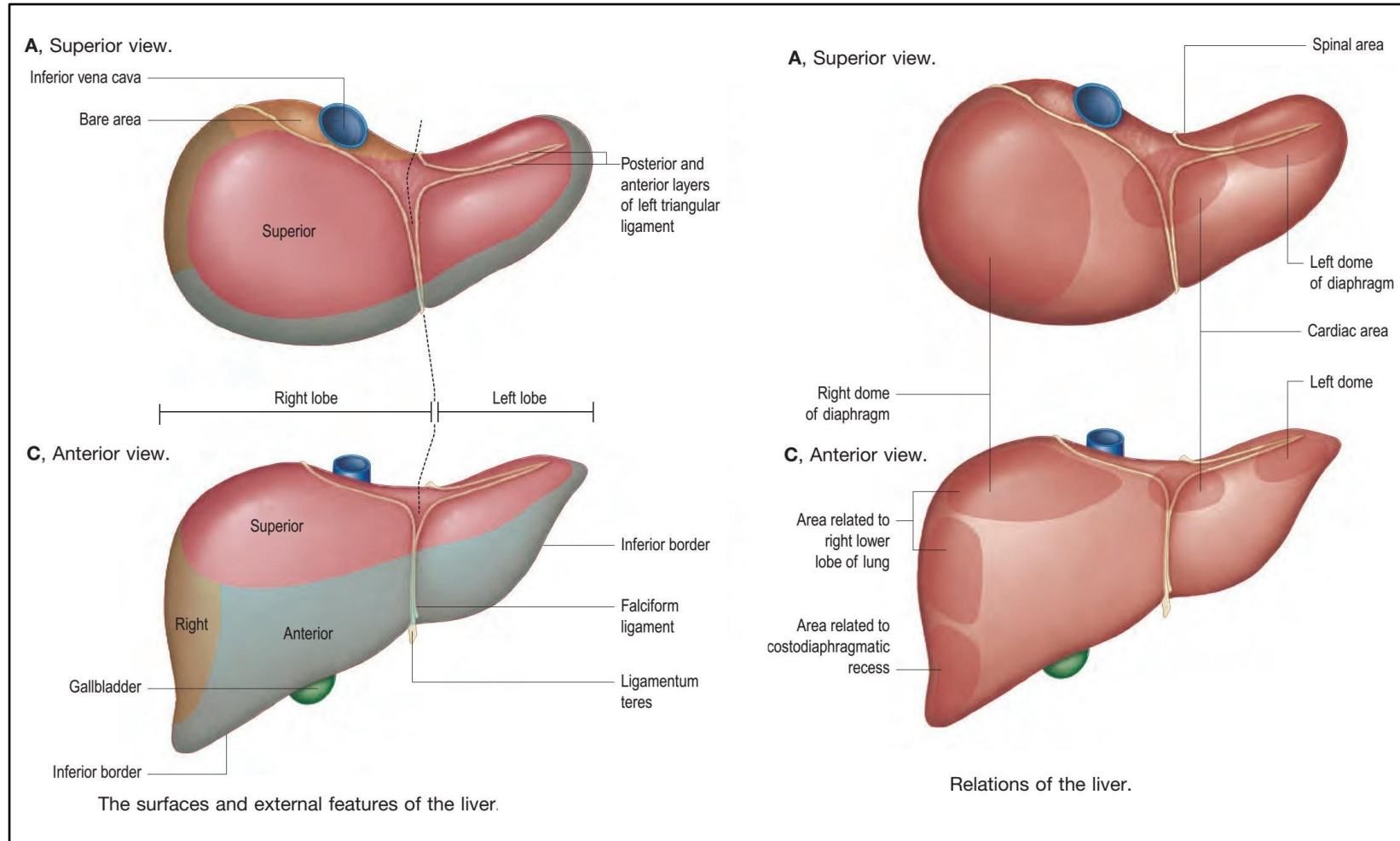


B- Visceral surface:
(posteroinferior surface)



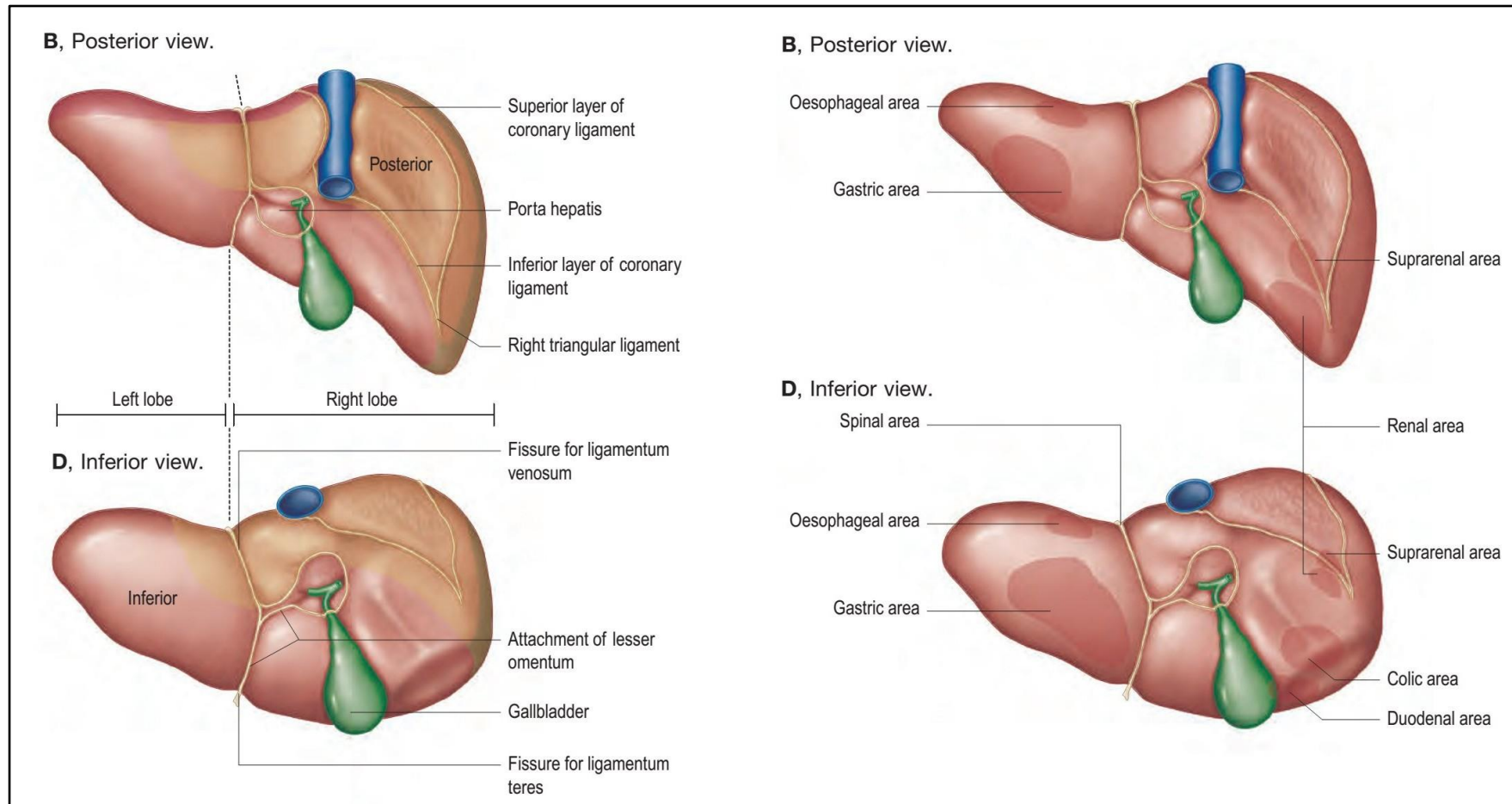
3- Relation and impression of liver surfaces

- superior and anterior surface:



3- Relation and impression of liver surfaces

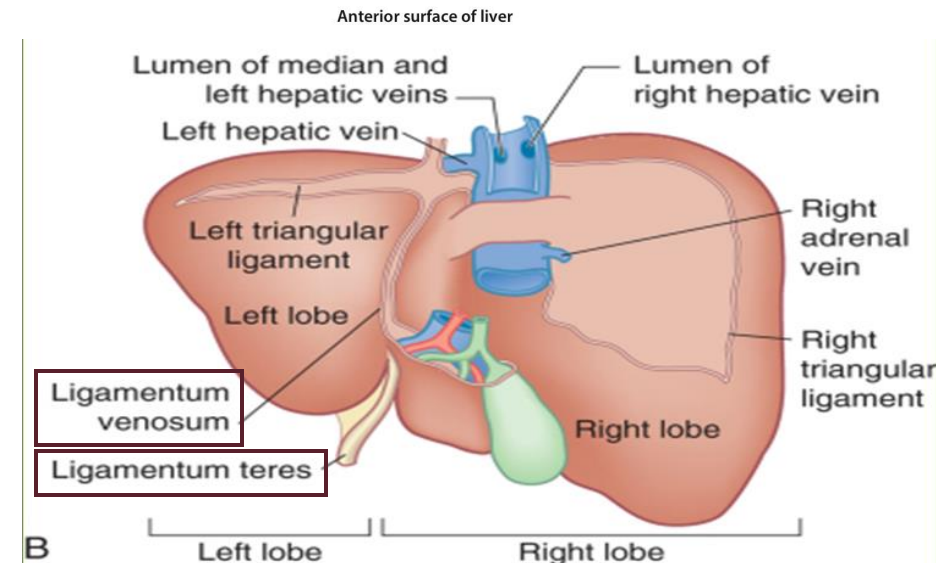
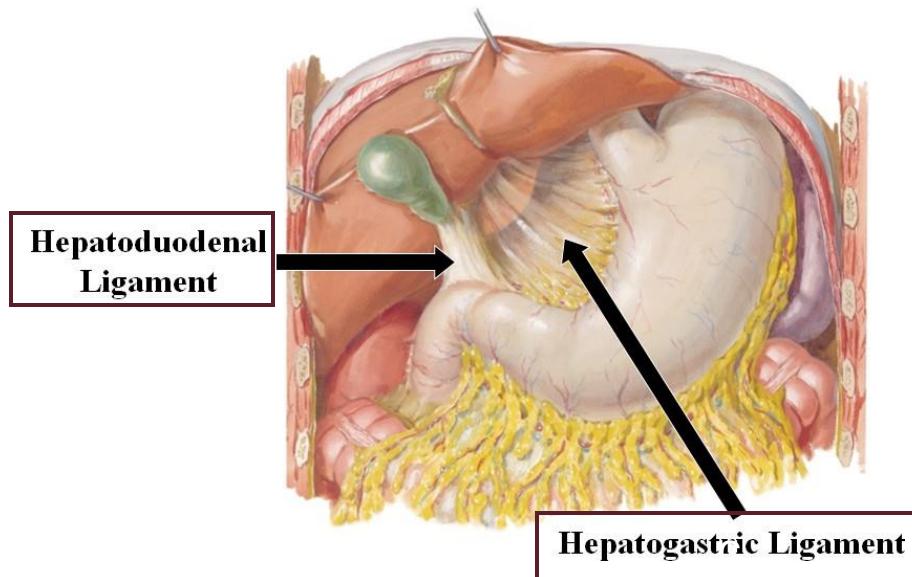
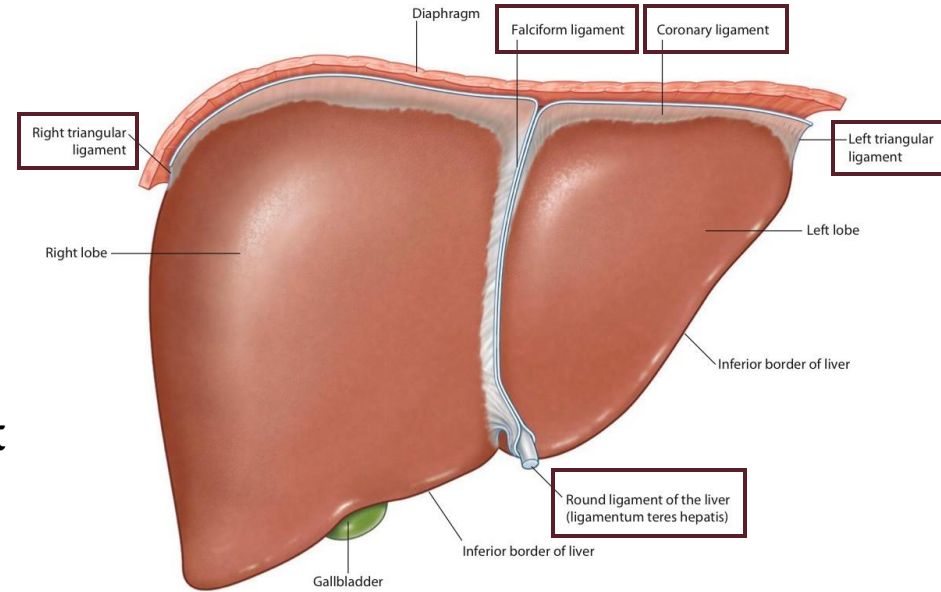
- Posterior and inferior surface:



4- Ligaments of the liver

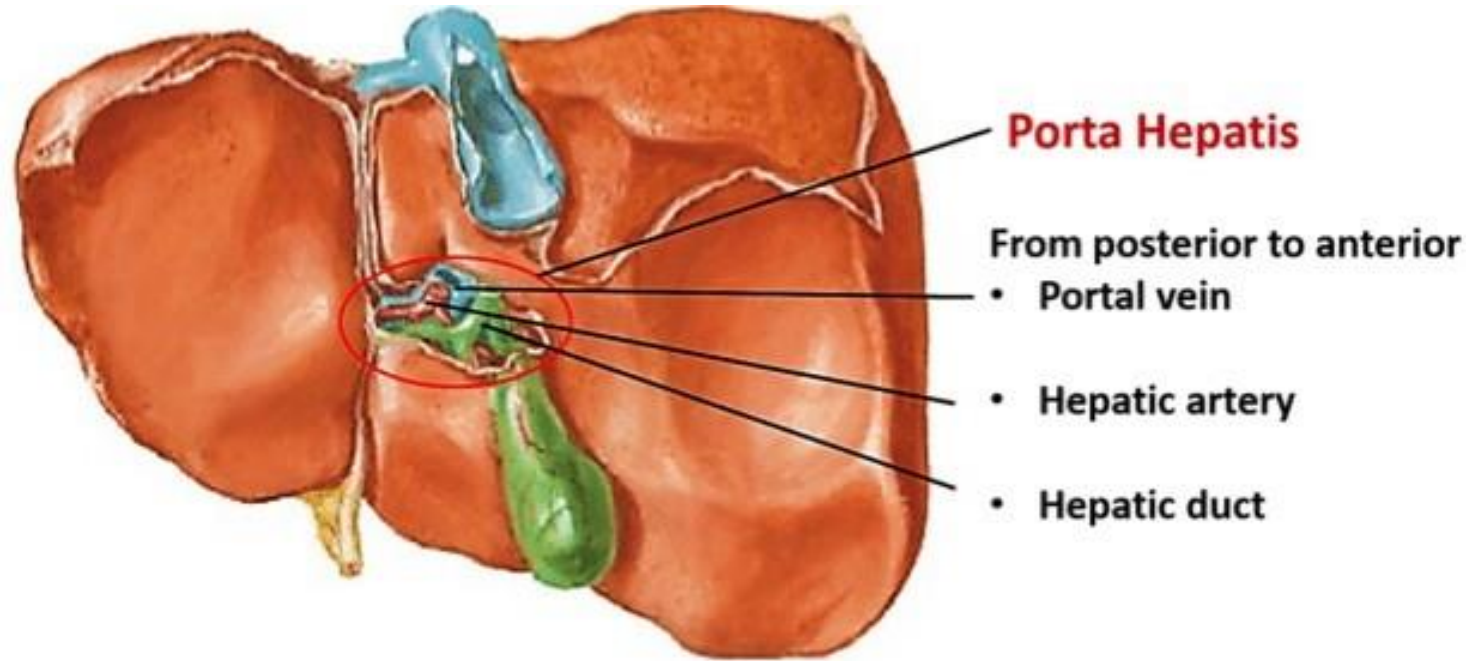
سبحان الله وبحمده عدد
خلقه ورضا نفسه وزنة
عرشه ومداد كلماته

1. The falciform ligament of liver
2. The ligamentum teres hepatis
3. The coronary ligament
4. The right triangular ligament
5. The left triangular ligament
6. The hepatogastric ligament
7. The hepatoduodenal ligament
8. The Ligamentum Venosum

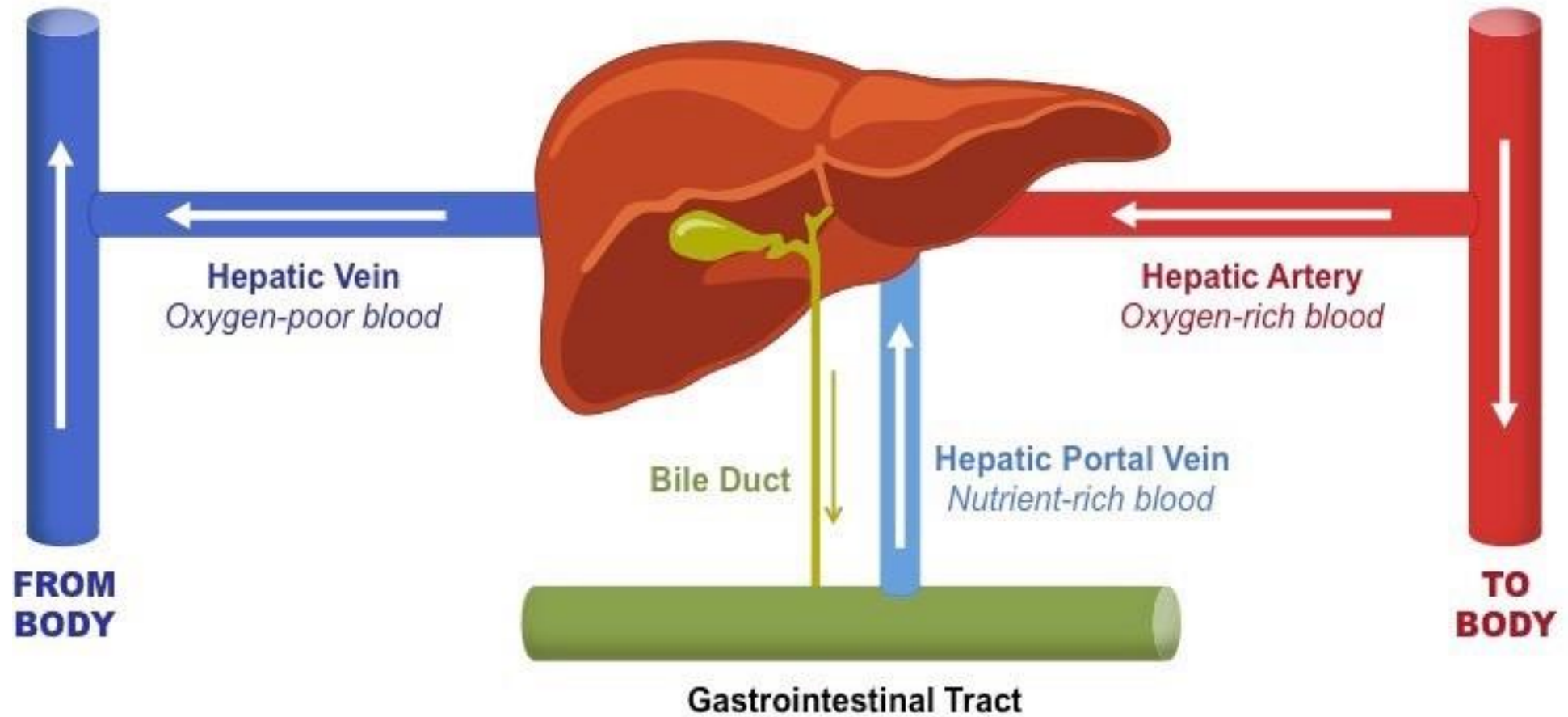


Posterior Surface

5- Porta hepatis of the liver

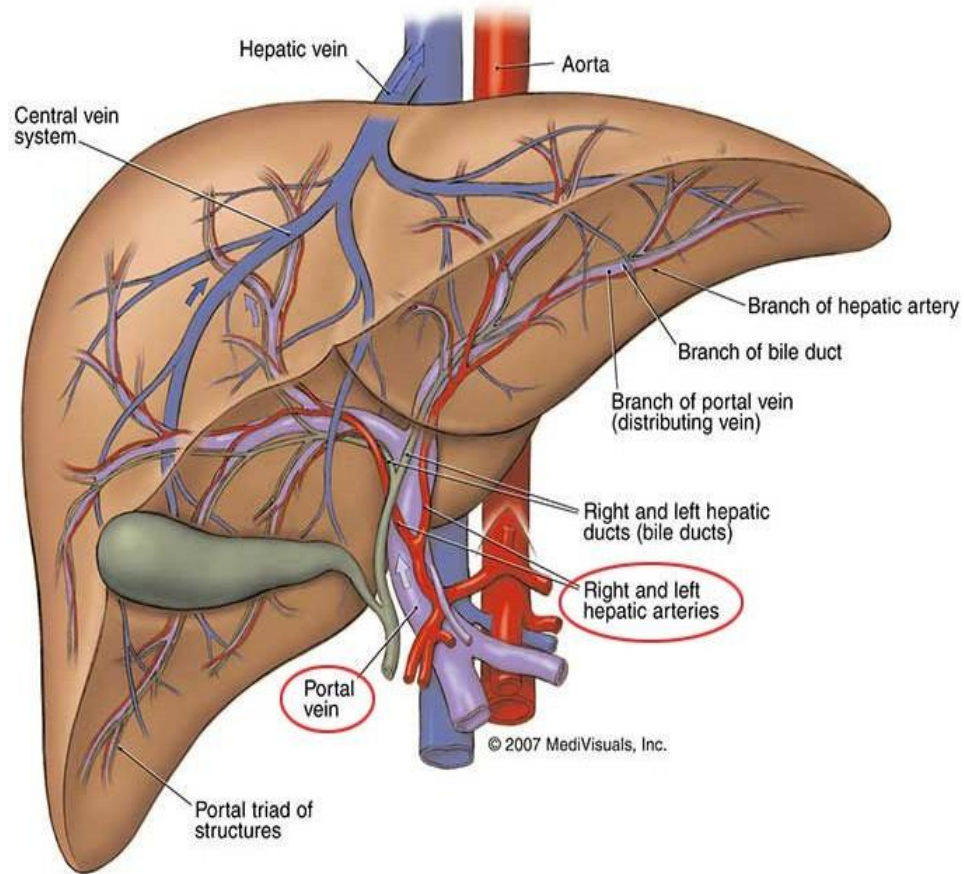


6- Blood supply of the liver

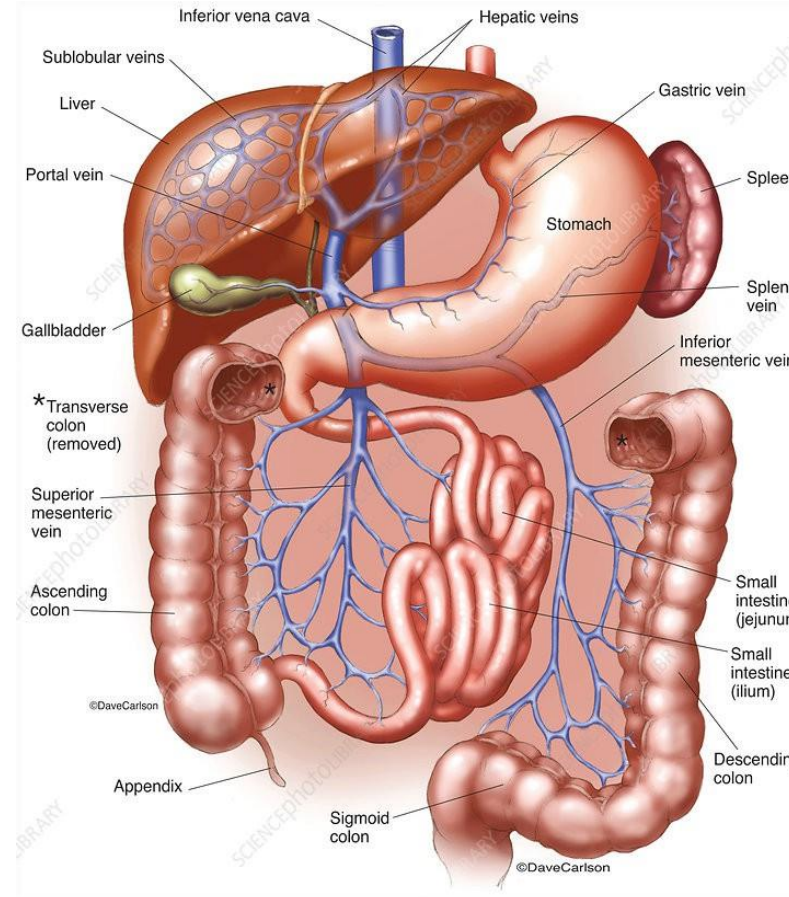


6- Blood supply of the liver

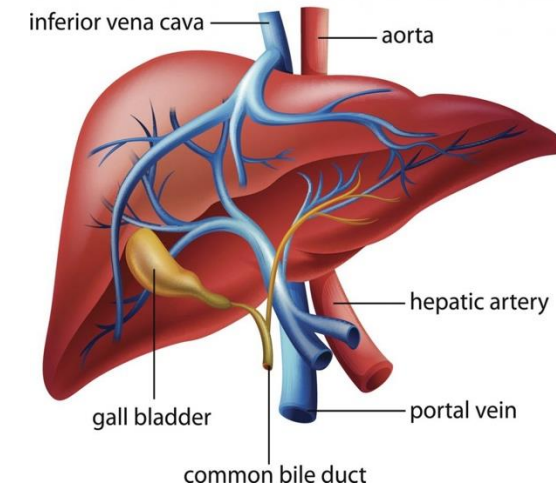
- Arterial supply:



- Venous and portal drainage:



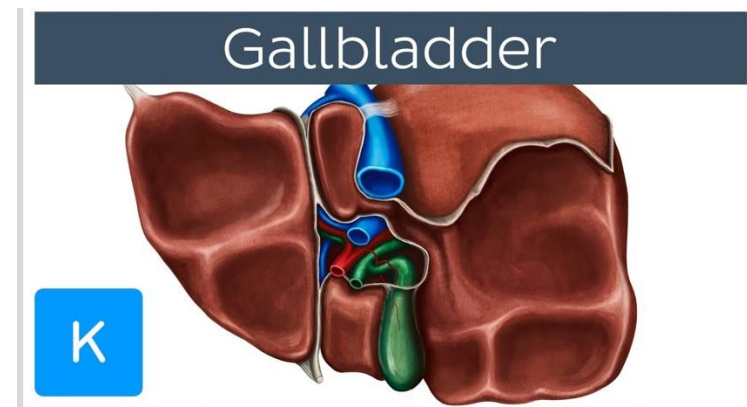
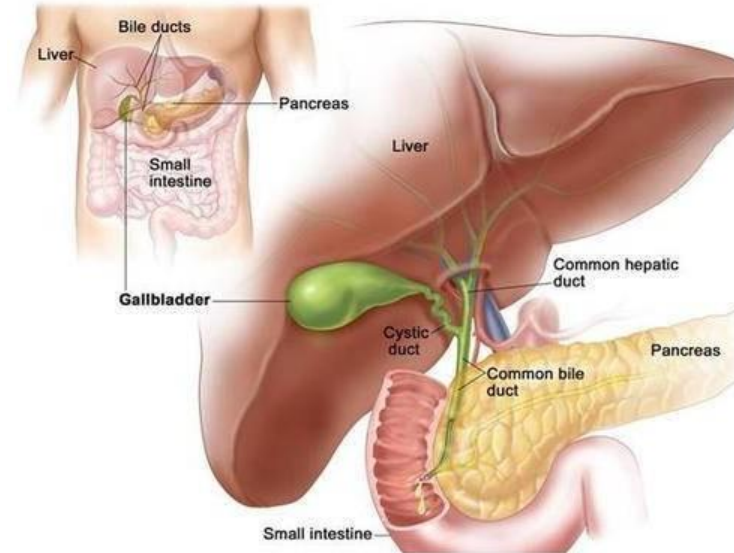
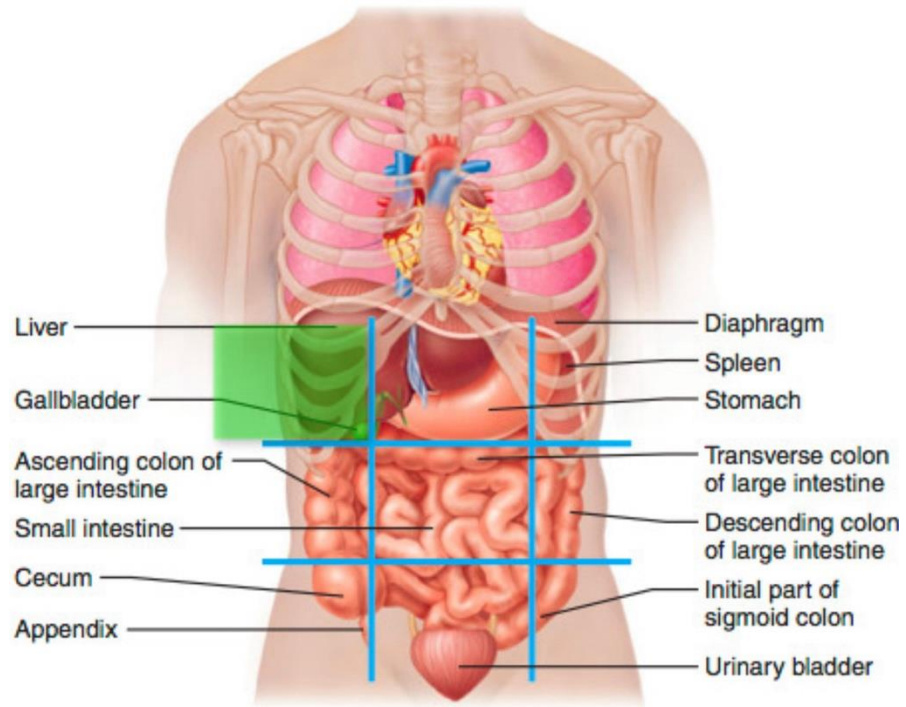
Human Liver Anatomy



اللهم صلِّ وسلِّم وبارك
على نبيِّنا محمد وعلى آله
وصحبه الكرام أجمعين

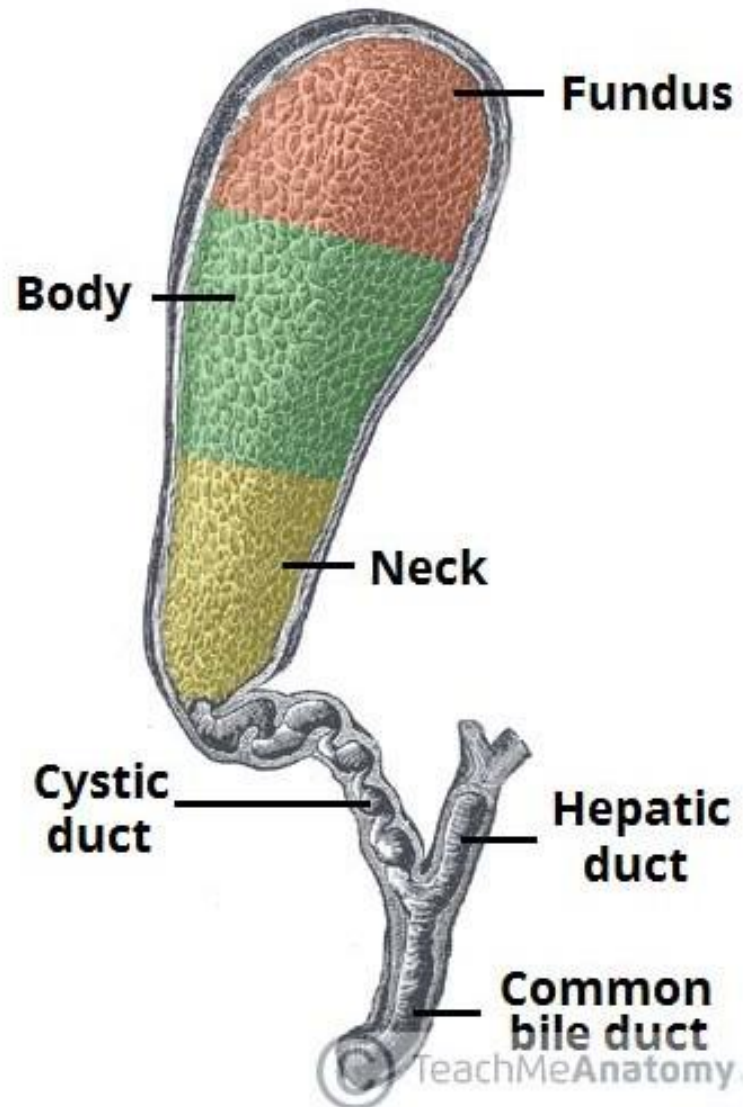
Gallbladder

1- Site of Gallbladder



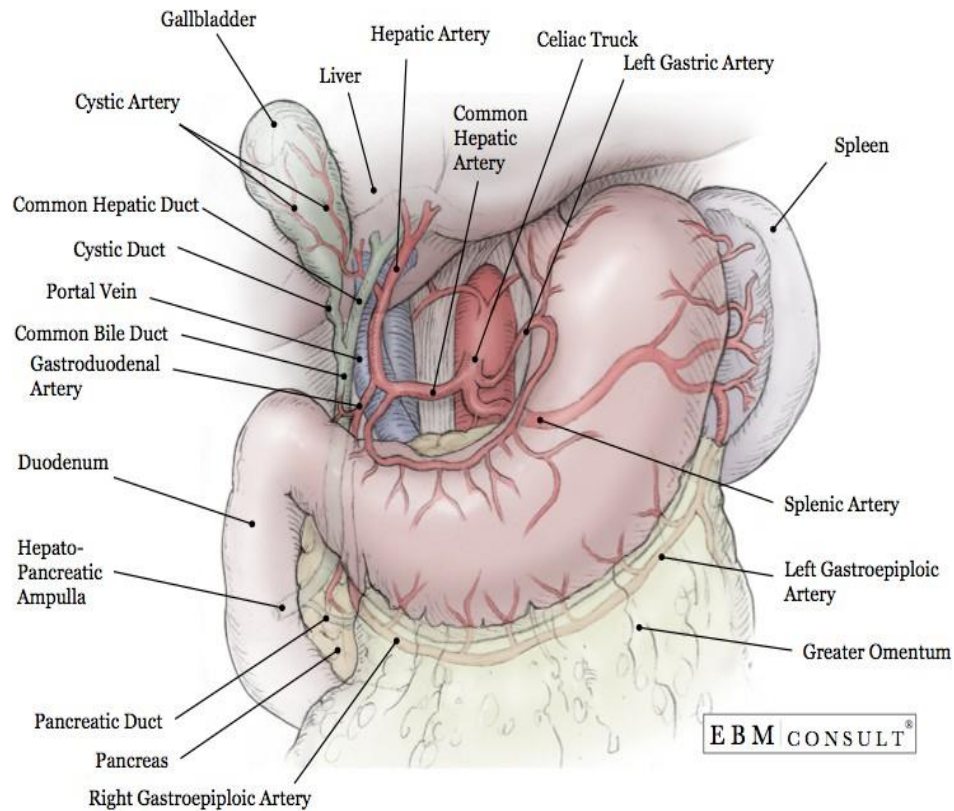
- Between quadrate and right lobes

2- Structure of Gallbladder

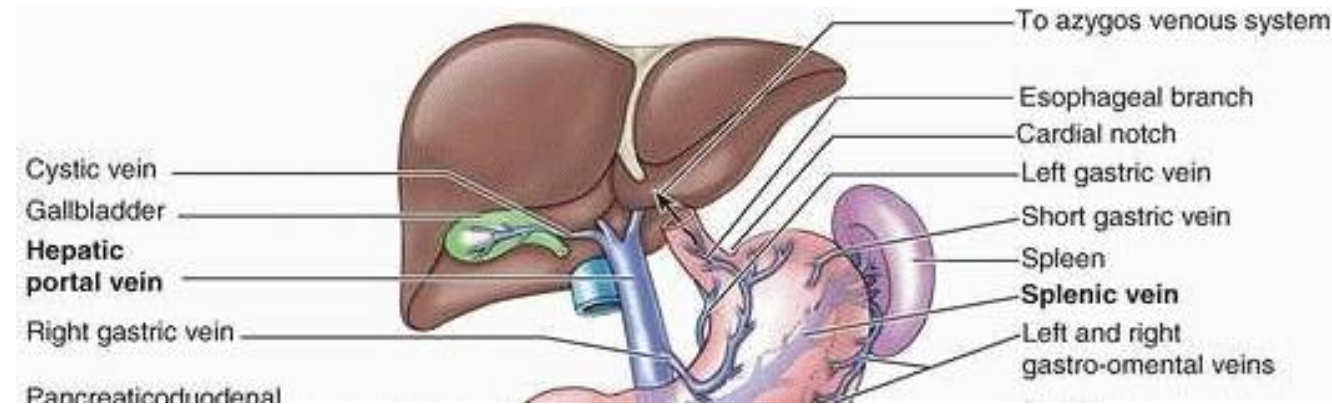
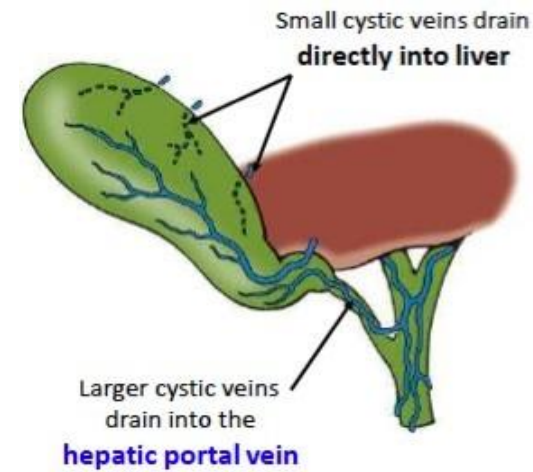


3- Blood supply of Gallbladder

- Arterial supply:

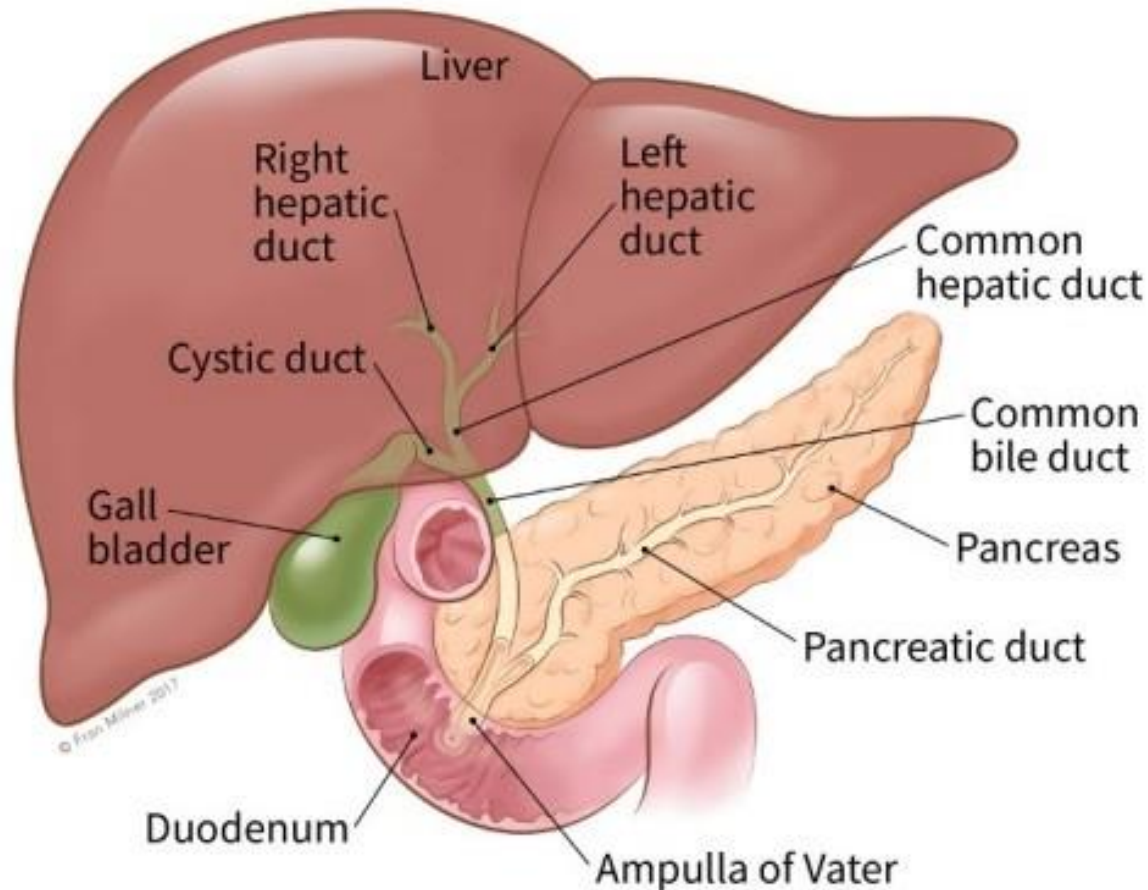


- Venous drainage:

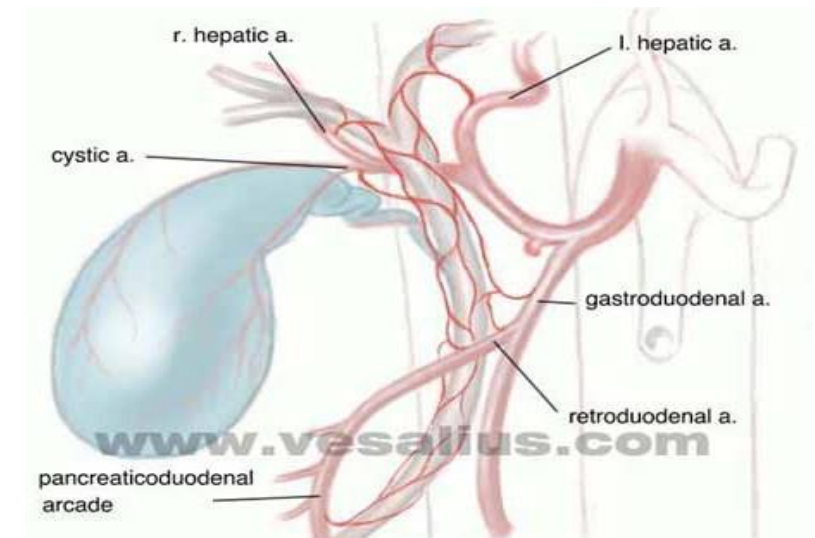
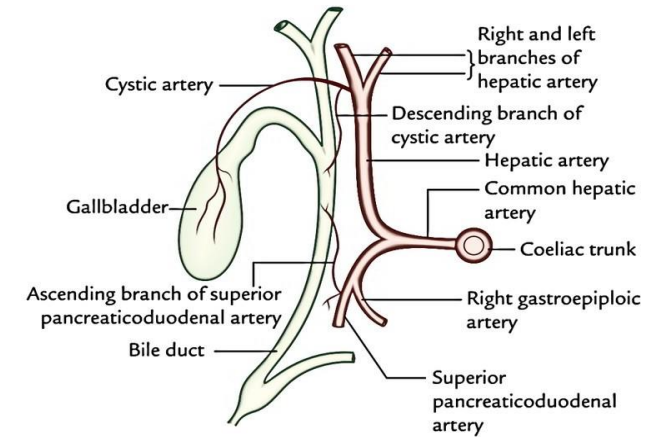


4- Common bile duct

- End in the half second part of duodenum at ampulla of Vater
- Relation of common bile duct:



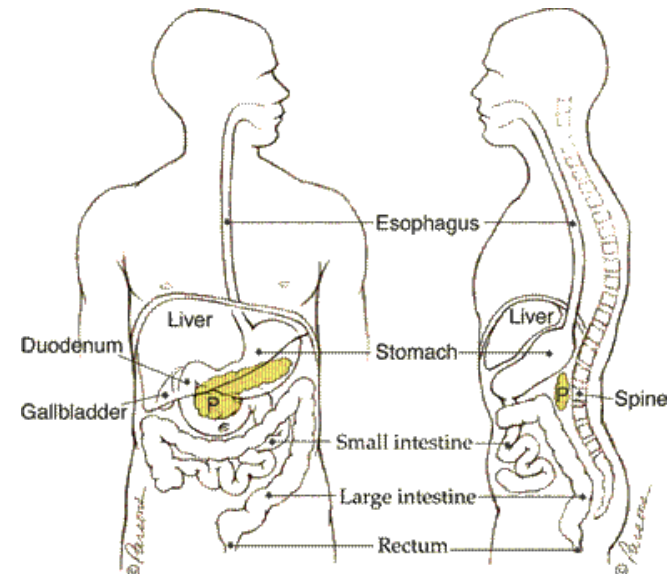
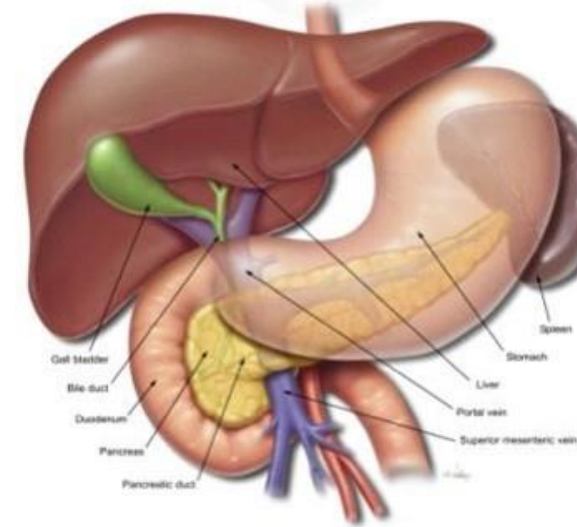
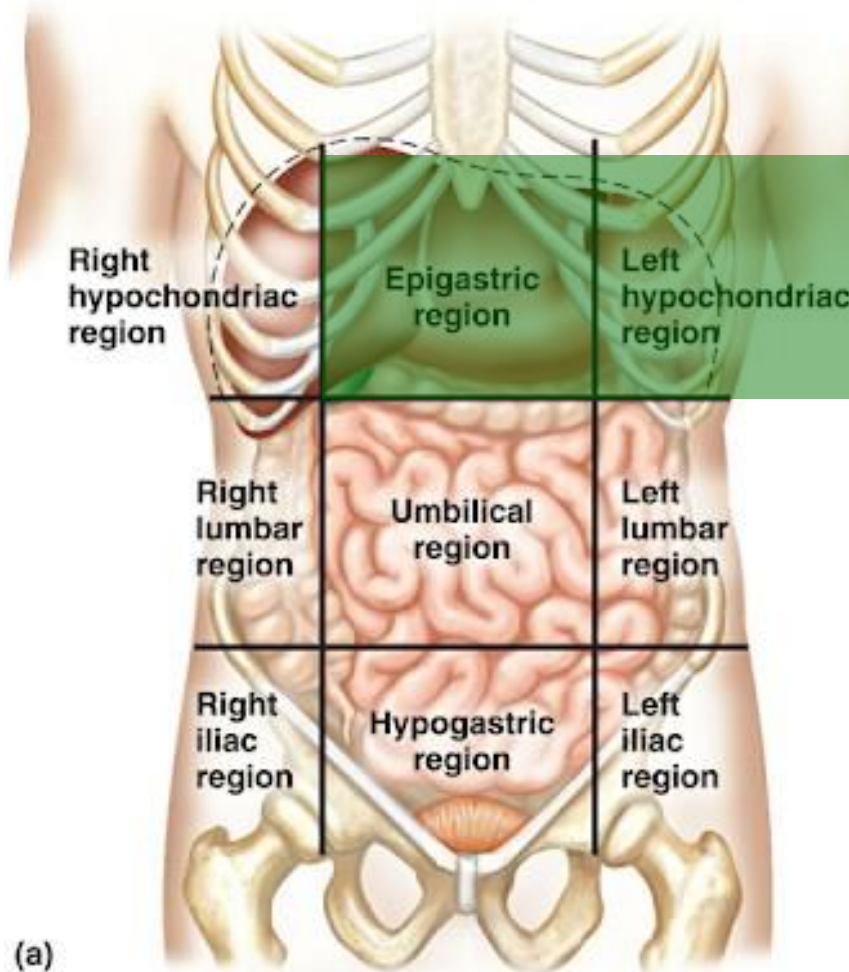
- Arterial supply:



اللهم صلّ على محمد و على آل
محمد كما صلّيت على إبراهيم
و على آل إبراهيم إنّك حميد مجيد

Pancreas

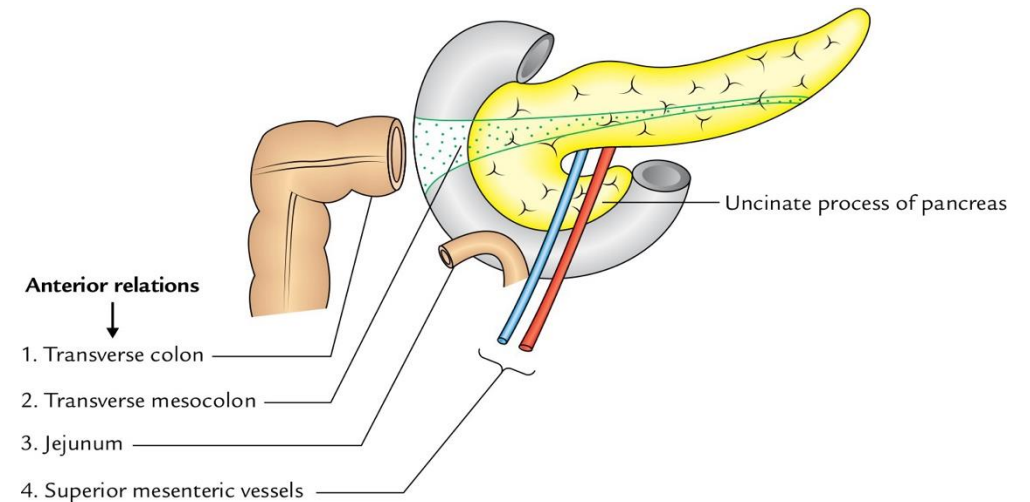
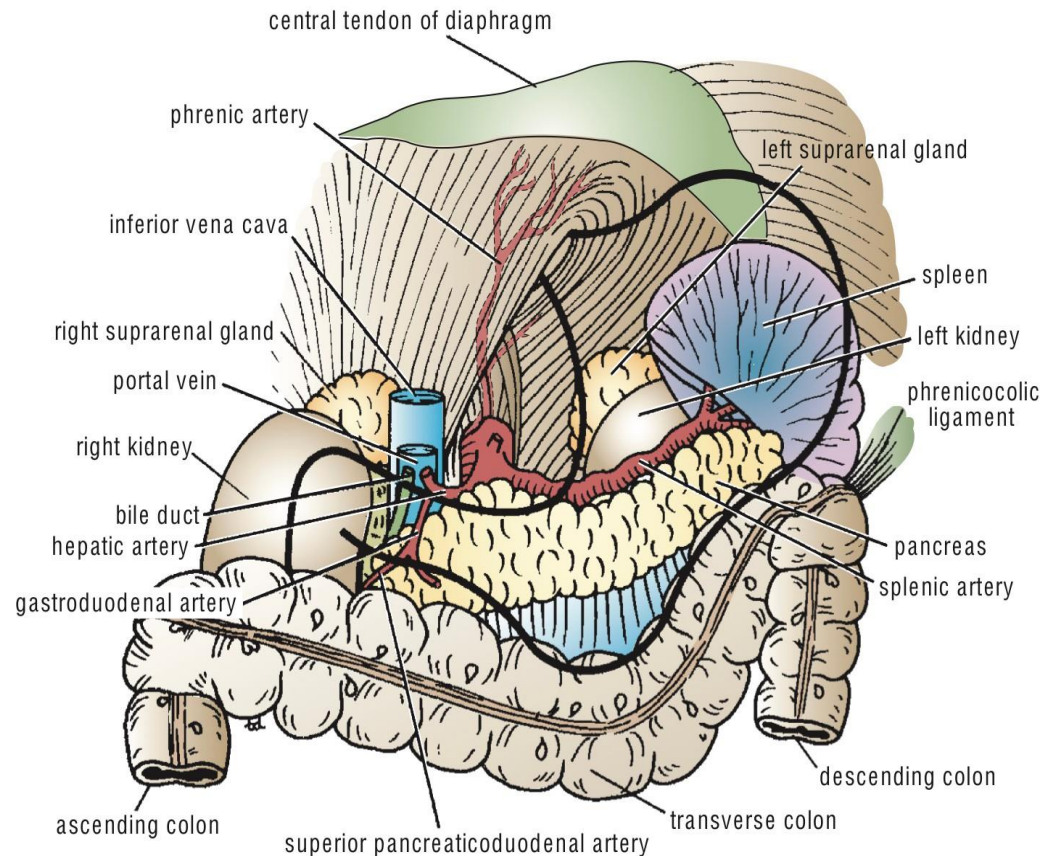
1- Site of the Pancreas



2- Relations of the Pancreas

- Anterior relation:

1. Transverse colon
2. Transvers mesocolon
3. Lesser sac
4. Stomach



2- Relations of the Pancreas

- Posterior relation

1. Bile duct

2. Portal vein

3. Splenic vein

4. IVC

5. Aorta

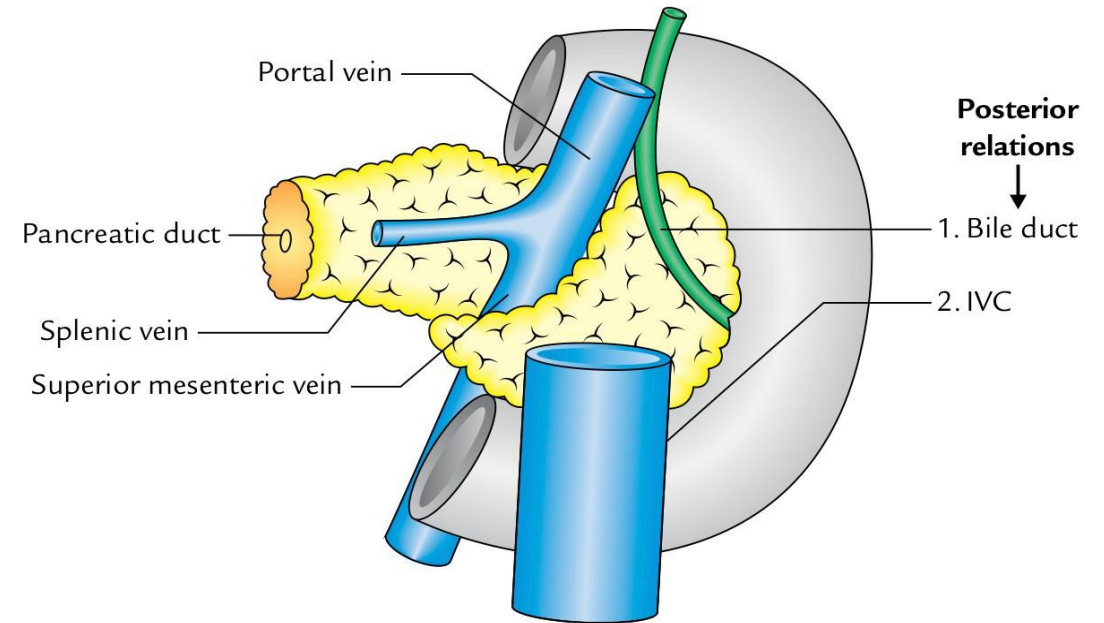
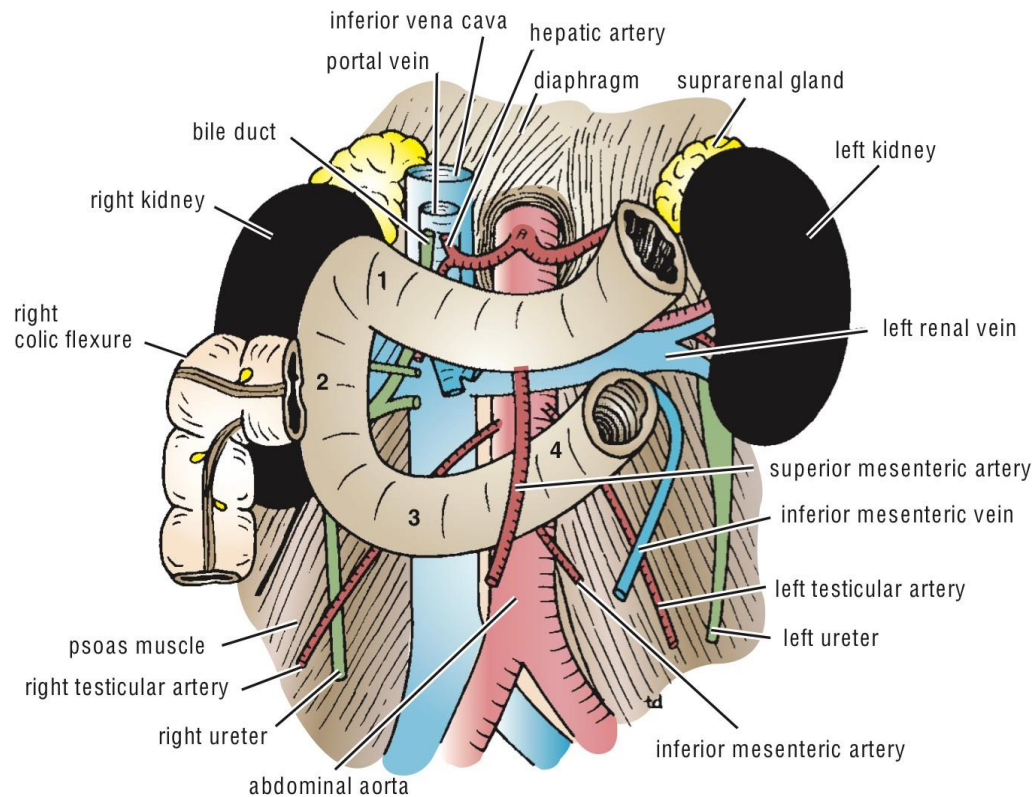
6. origin of Sup.mesentric.a

7. Lt.Psoas muscle

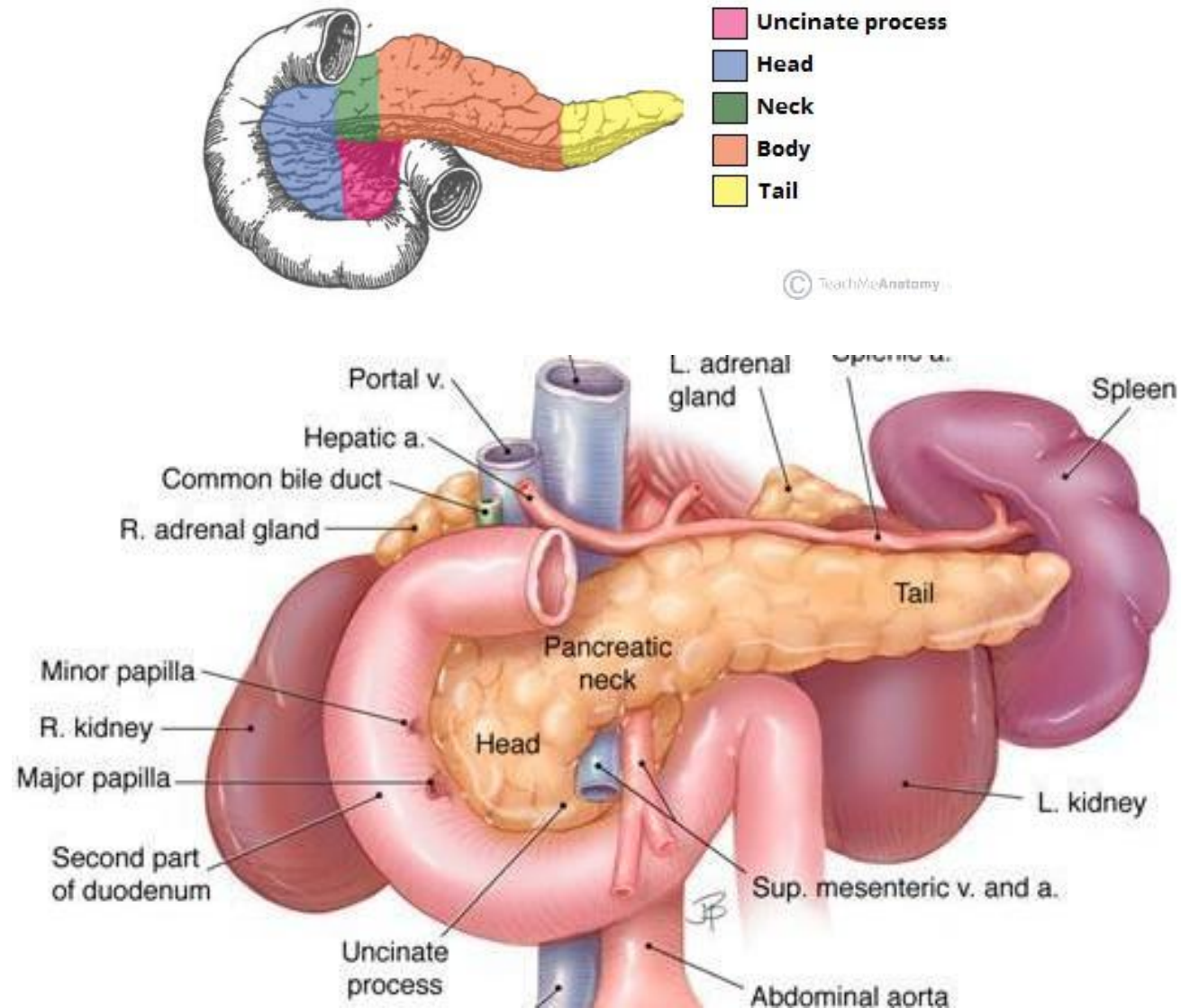
8. Lt.Suuprarenal gland

9. Left kidney

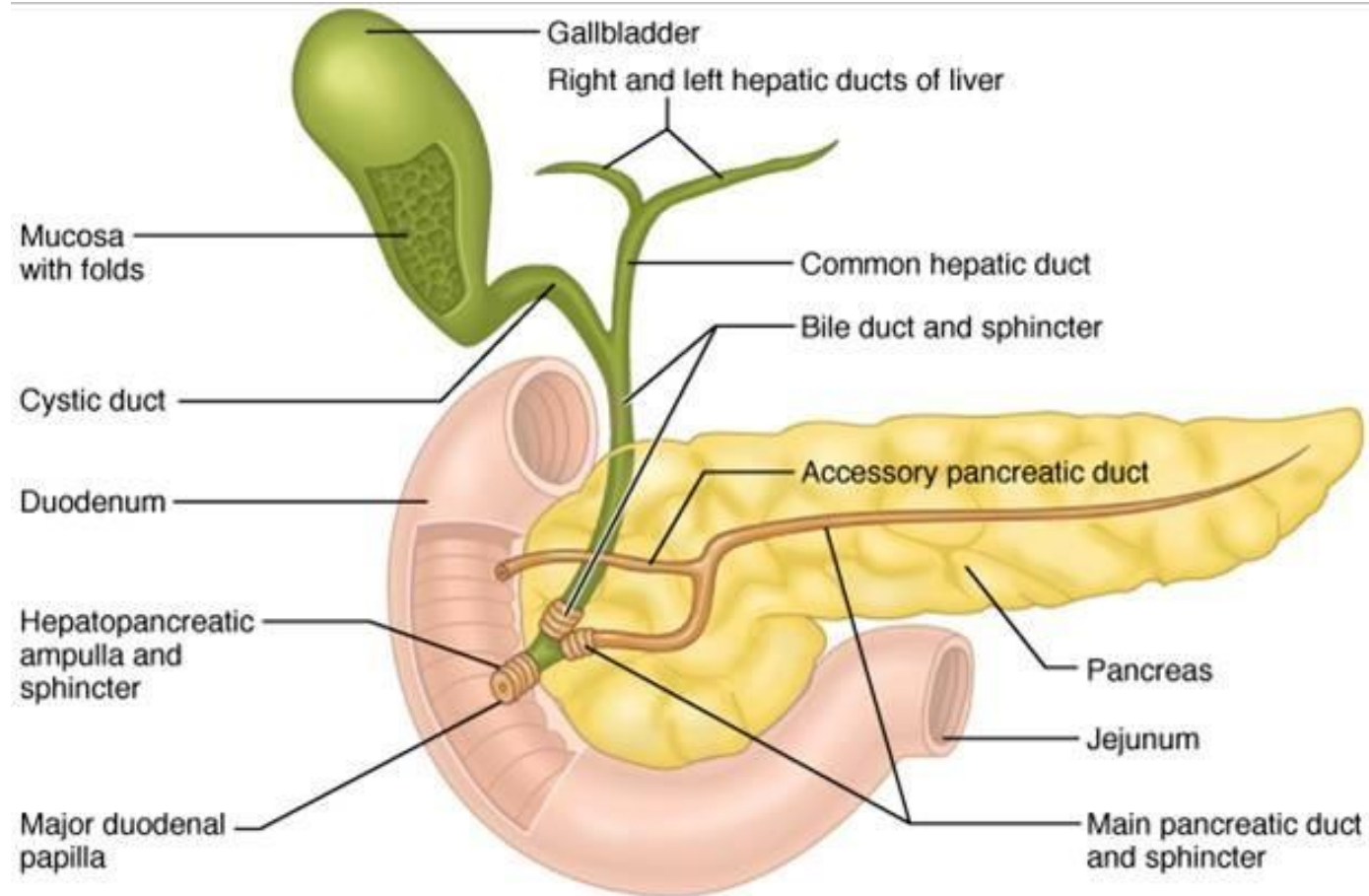
10. Hilum of the spleen



3- parts of the Pancreas

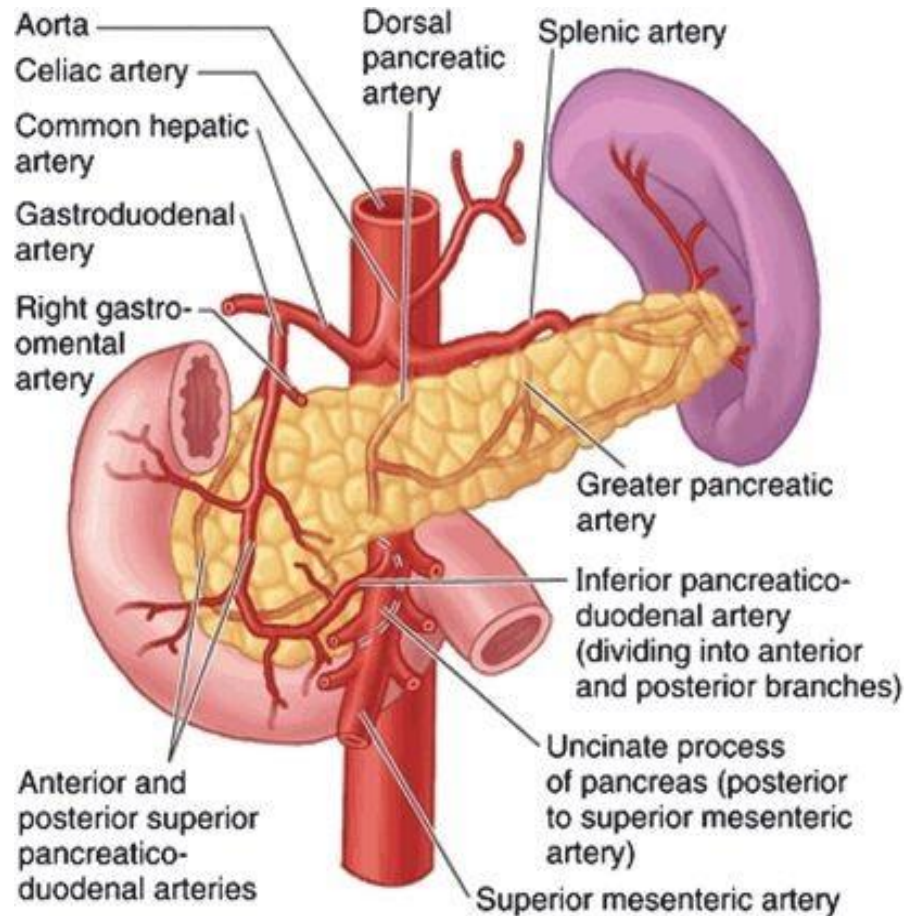


4- Pancreatic ducts

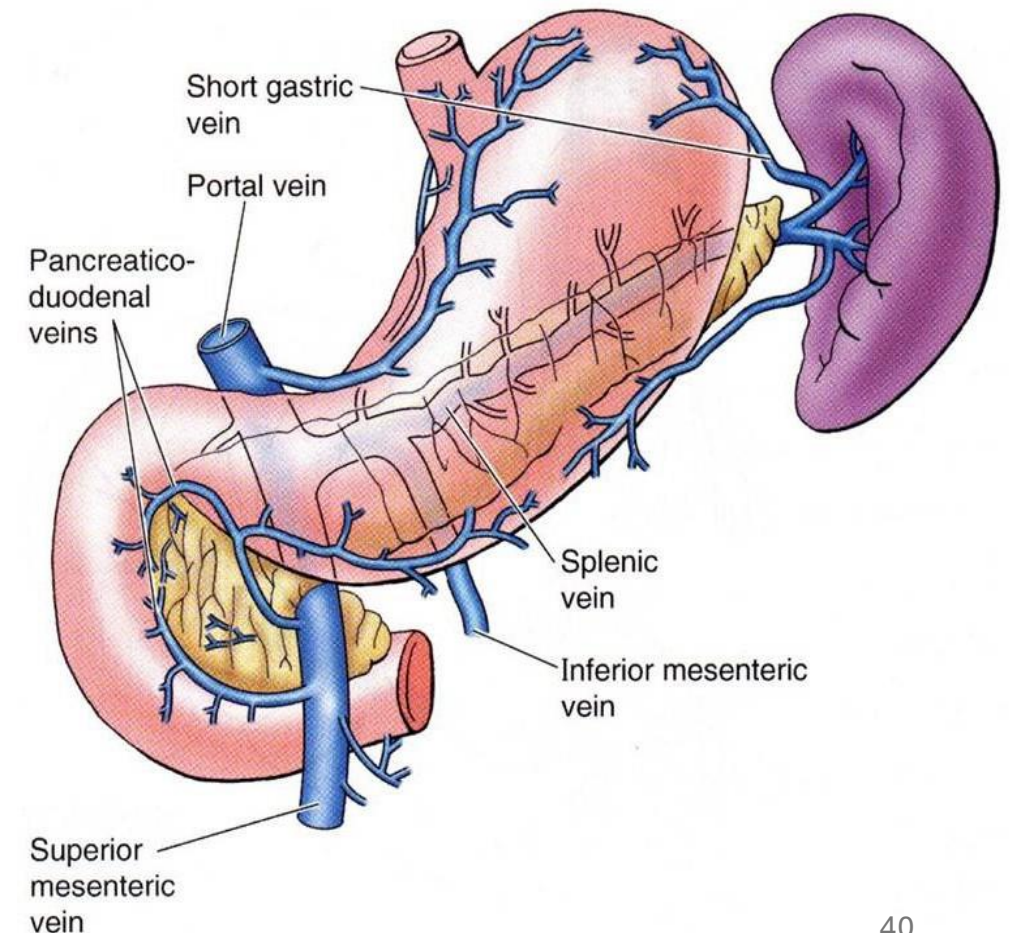


5- Blood supply of the Pancreas

- Arterial supply:



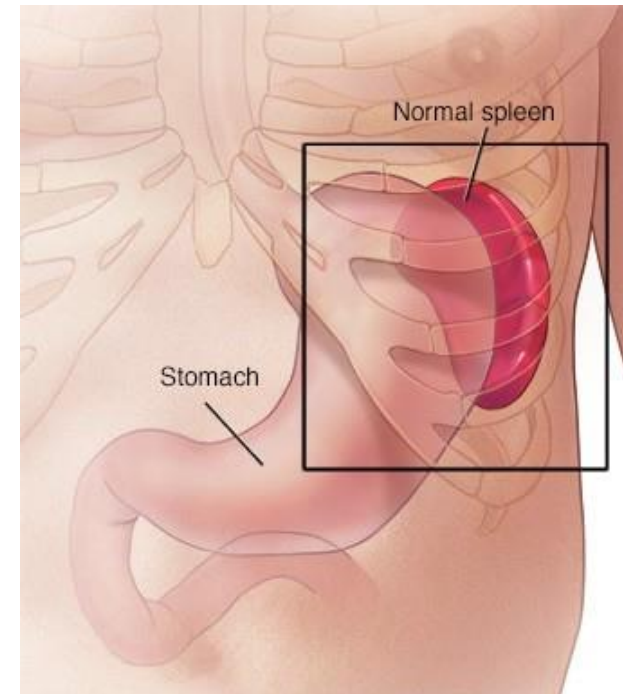
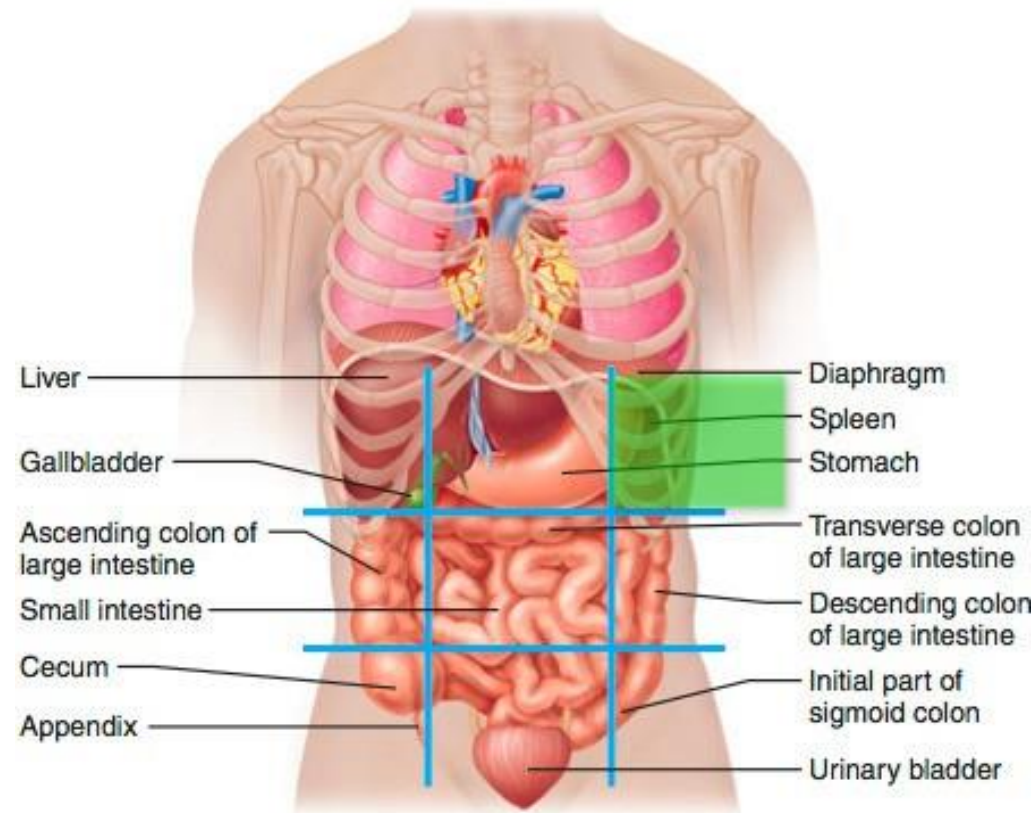
- Venous drainage:



اللهم بارك على محمد وعلى آل
محمد كما باركت على إبراهيم
وعلى آل إبراهيم إنك حميد مجيد

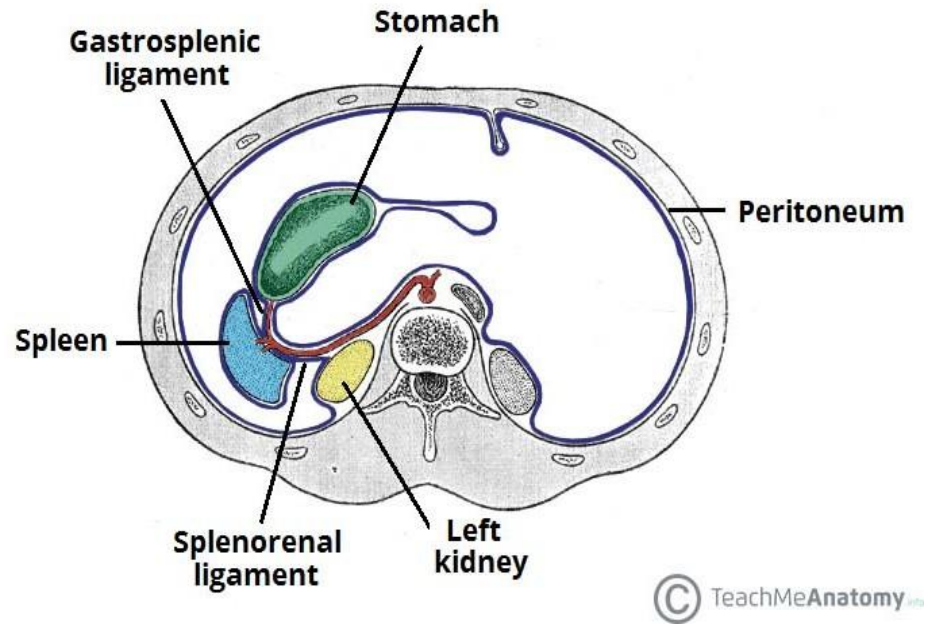
Spleen

1- Site of the Spleen

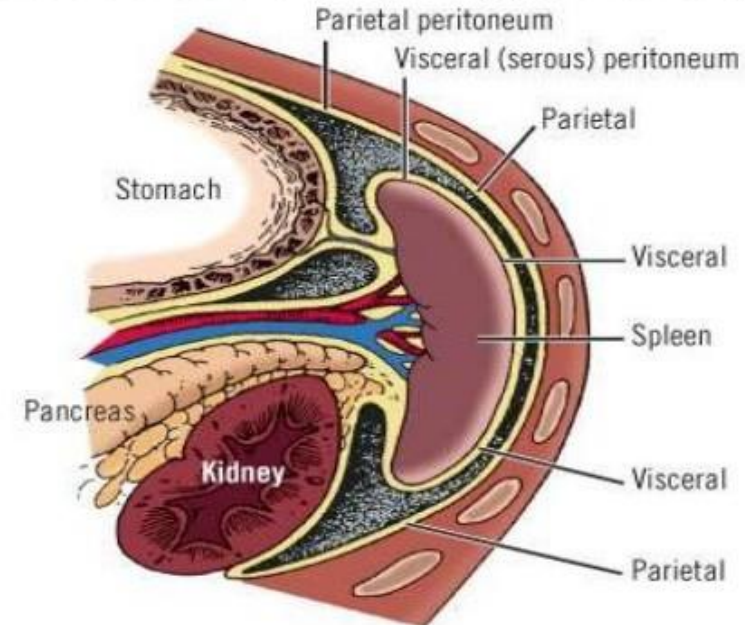


2- Peritoneal Relations of the Spleen

- intraperitoneal



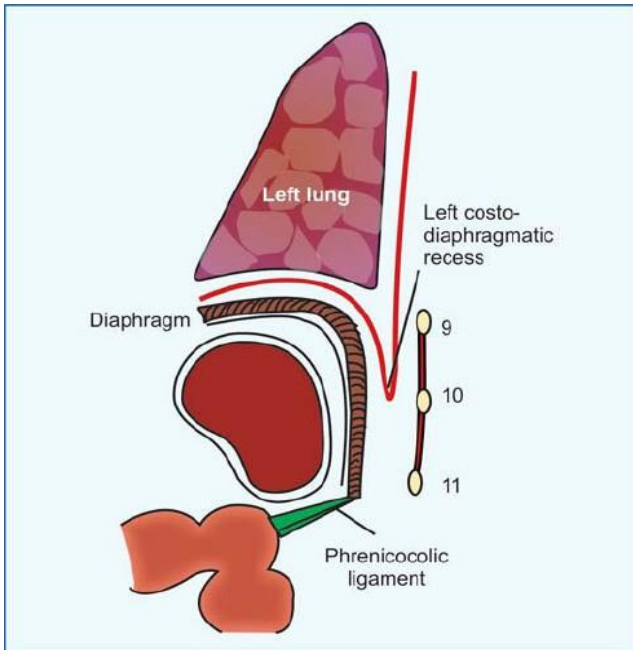
Peritoneal covering of the spleen



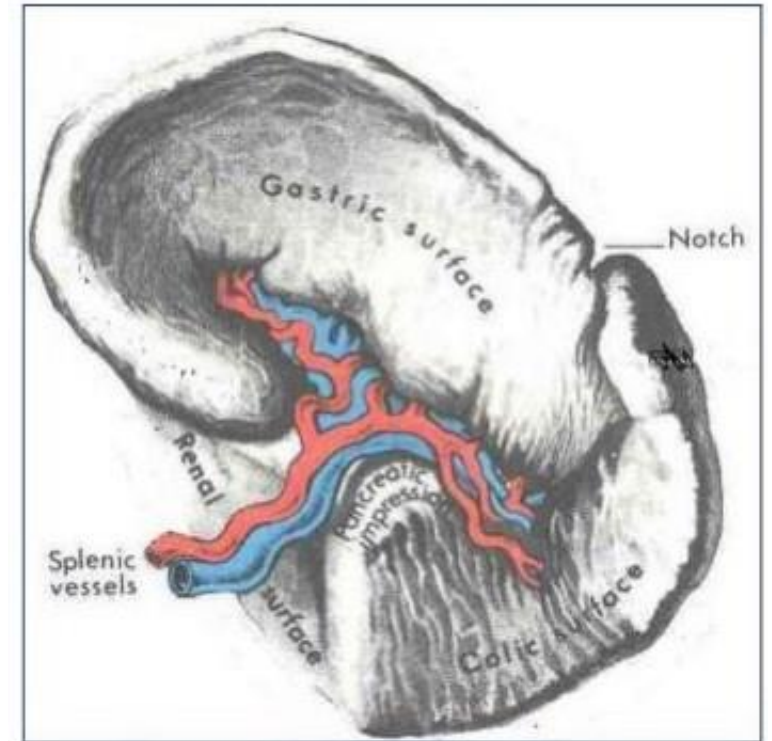
Copyright ©2006 by The McGraw-Hill Companies, Inc.
All rights reserved.

3-Surfaces of the Spleen

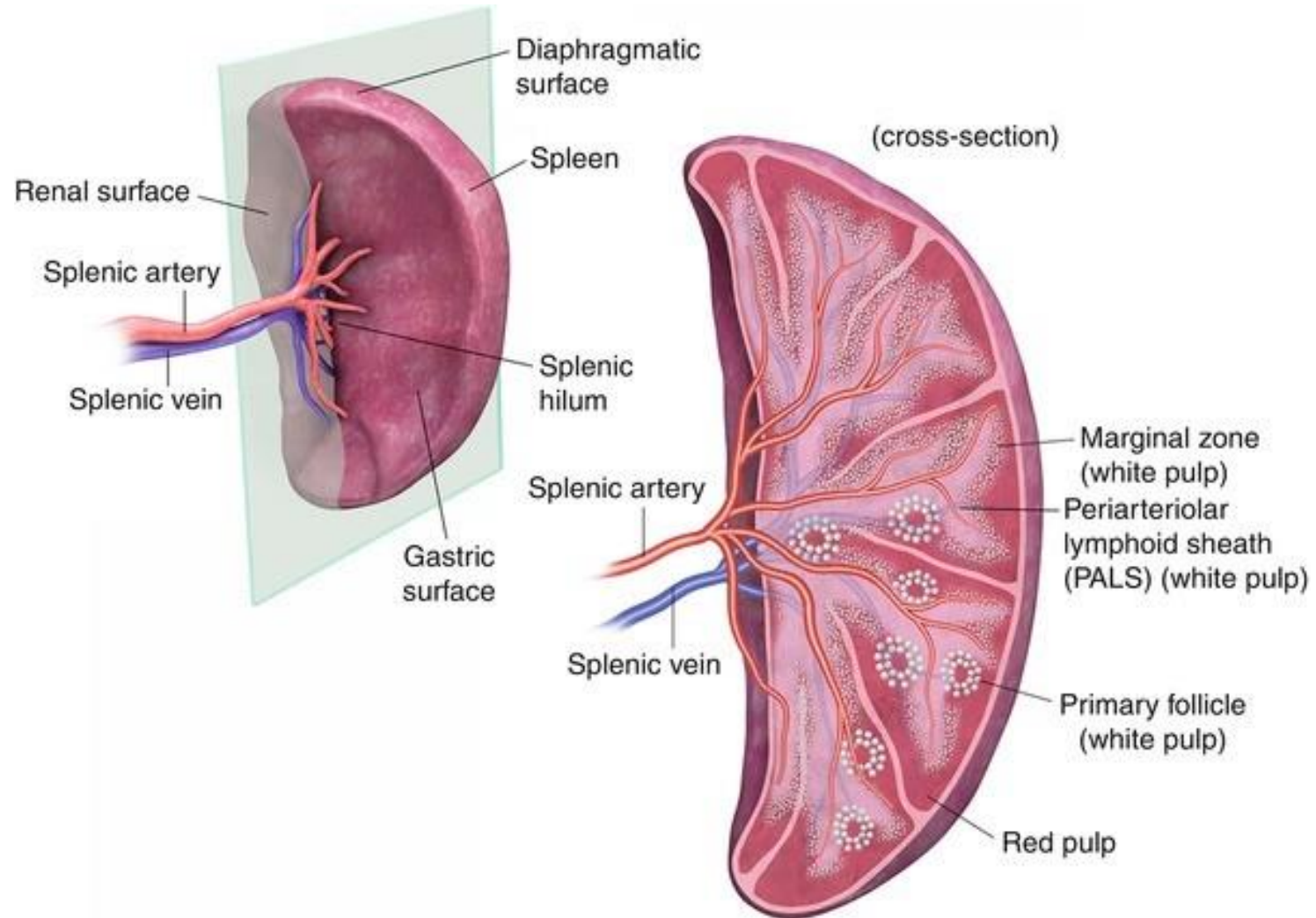
- Diaphragmatic surface: has convex, smooth surface
- Diaphragm separates it from (Pleura & lung - Ribs 9,10 ,11)



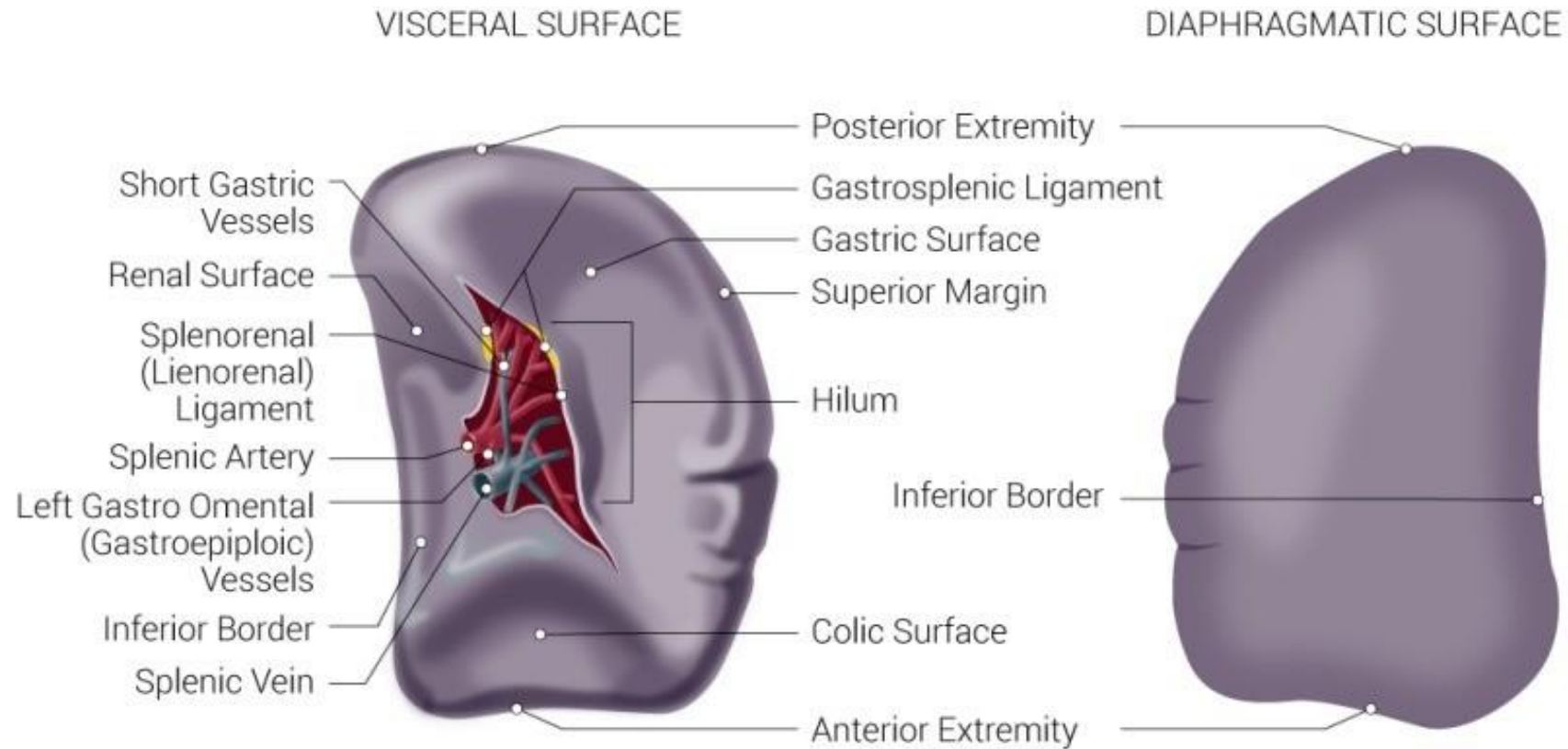
- Visceral surface: has (Colic surface/Pancreatic surface)



4- Hilum of spleen



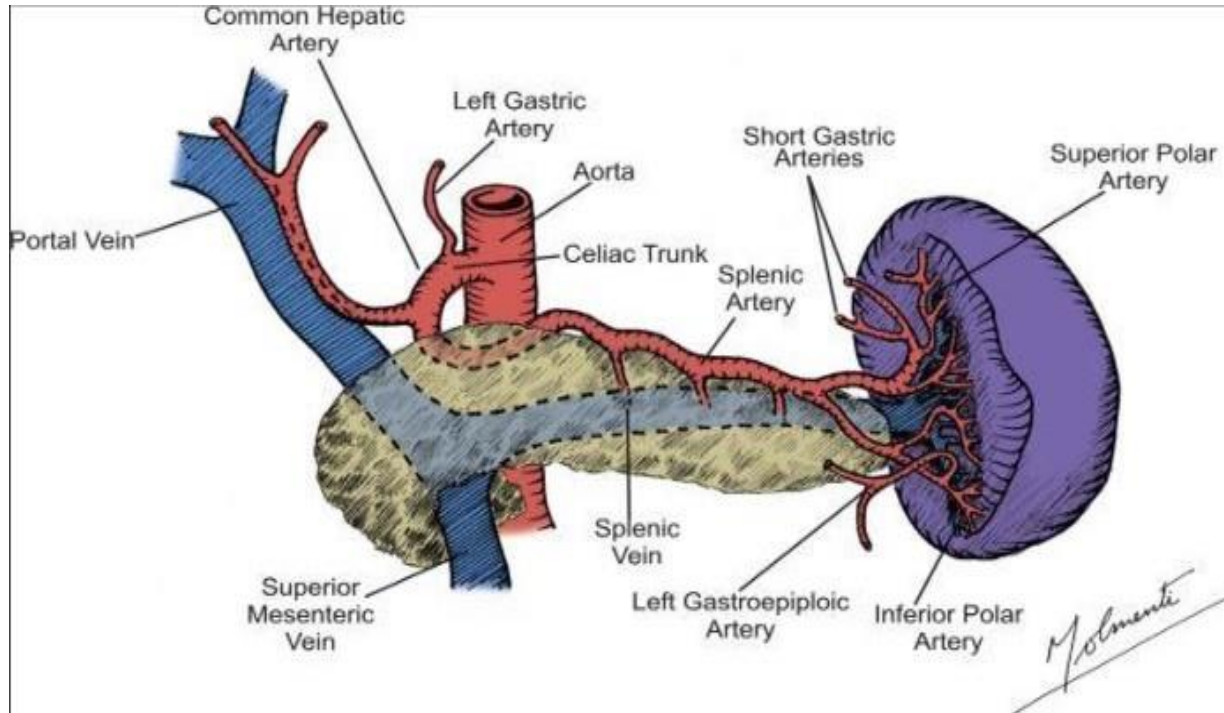
5- Borders of the spleen



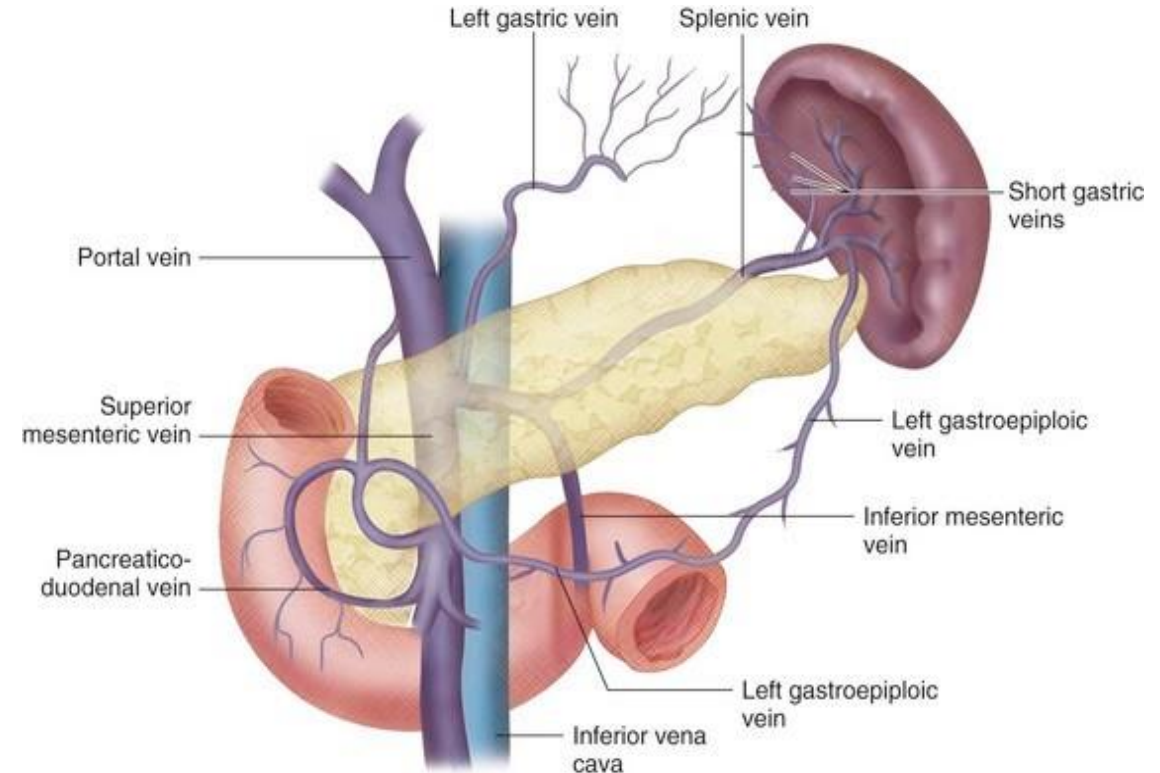
5- Blood supply of the Spleen

الحمد لله رب العالمين
حمداً طيباً كثيراً مباركاً فيه

- Arterial supply:



- Venous drainage:



For any feedback, scan the code or click on it.



Corrections from previous versions:

Versions	Slide # and Place of Error	Before Correction	After Correction
V0 → V1	Slide 4	- Begin: inlet of the ... - End: in the pelvis in ...	Deleted
V1 → V2			

رسالة من الفريق العلمي:

سُورَةُ الْبُرُوجِ

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وَالسَّمَاءِ ذَاتِ الْبُرُوجِ ۝١ وَالْيَوْمِ الْمَوْعُودِ ۝٢ وَشَهِدِ وَمَشْهُودِ ۝٣ قُتِلَ أَصْحَابُ الْأُخْدُودِ ۝٤ النَّارِ ذَاتِ الْوَقُودِ ۝٥ إِذْ هُمْ عَلَيْهَا قُعُودٌ ۝٦ وَهُمْ عَلَى مَا يَفْعَلُونَ بِالْمُؤْمِنِينَ شُهُودٌ ۝٧ وَمَا نَقَمُوا مِنْهُمْ إِلَّا أَنْ يُؤْمِنُوا بِاللَّهِ الْعَزِيزِ الْحَمِيدِ ۝٨ الَّذِي لَهُ مُلْكُ السَّمَوَاتِ وَالْأَرْضِ وَاللَّهُ عَلَى كُلِّ شَيْءٍ شَهِيدٌ ۝٩ إِنَّ الَّذِينَ فَتَنُوا الْمُؤْمِنِينَ وَالْمُؤْمِنَاتِ ثُمَّ لَمْ يَتُوبُوا فَلَهُمْ عَذَابُ جَهَنَّمَ وَلَهُمْ عَذَابُ الْحَرِيقِ ۝١٠ إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ لَهُمْ جَنَّاتٌ تَجْرِي مِنْ تَحْتِهَا الْأَنْهَارُ ذَٰلِكَ الْفَوْزُ الْكَبِيرُ ۝١١ إِنَّ بَطْشَ رَبِّكَ لَشَدِيدٌ ۝١٢ إِنَّهُ هُوَ يُبْدِي وَيُعِيدُ ۝١٣ وَهُوَ الْغَفُورُ الْودُودُ ۝١٤ ذُو الْعَرْشِ الْمَجِيدُ ۝١٥ فَعَالٌ لِمَ يَرِيدُ ۝١٦ هَلْ أَتَاكَ حَدِيثُ الْجُنُودِ ۝١٧ فِرْعَوْنَ وَثَمُودَ ۝١٨ بَلِ الَّذِينَ كَفَرُوا فِي تَكْذِيبٍ ۝١٩ وَاللَّهُ مِنْ وَرَائِهِمْ مُحِيطٌ ۝٢٠ بَلْ هُوَ قُرْءَانٌ مَجِيدٌ ۝٢١ فِي لَوْحٍ مَحْفُوظٍ ۝٢٢

- الحج: روى الإمام مسلم في "صحيحه" عن عائشة رضي الله عنها، أن رسول الله صلى الله عليه وسلم قال: (ما من يوم أكثر أن يعتق الله فيه عبداً من النار من يوم عرفة، إنه ليدينني، ثم يباهي بهم الملائكة، فيقول: ما أراد هؤلاء).

- العمل الصالح: قال صلى الله عليه وسلم: ما من أيام العمل الصالح فيها أحب إلى الله من هذه الأيام، يعني أيام العشر قالوا: يا رسول الله ولا الجهاد في سبيل الله؟ قال: ولا الجهاد في سبيل الله إلا رجل خرج بنفسه وماله، فلم يرجع من ذلك بشيء. رواه البخاري.

- الصيام: روى مسلم وغيره أن النبي صلى الله عليه وسلم قال: "صيام يوم عرفة أحتسب على الله أن يكفر السنة التي قبله والسنة التي بعده".