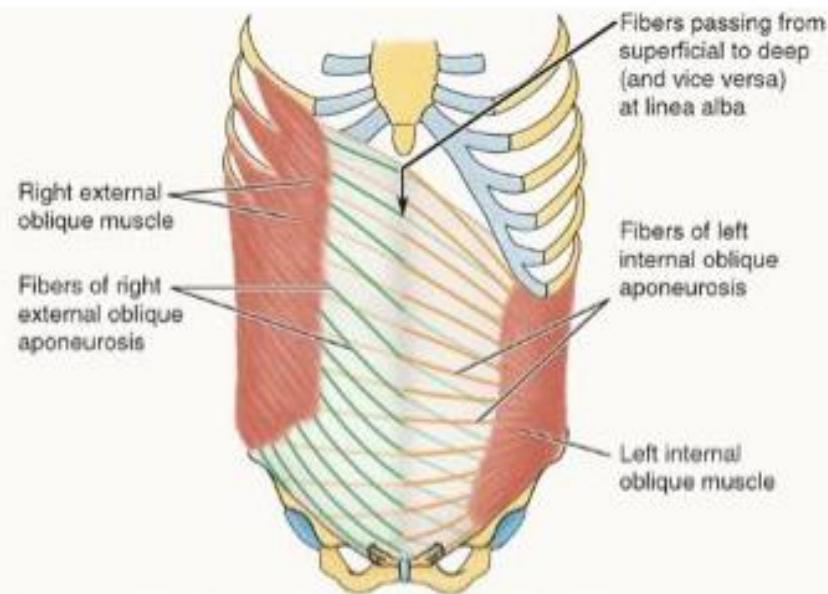


Intramuscular exchange of superficial and deep fibers within aponeuroses of contralateral external oblique muscles.

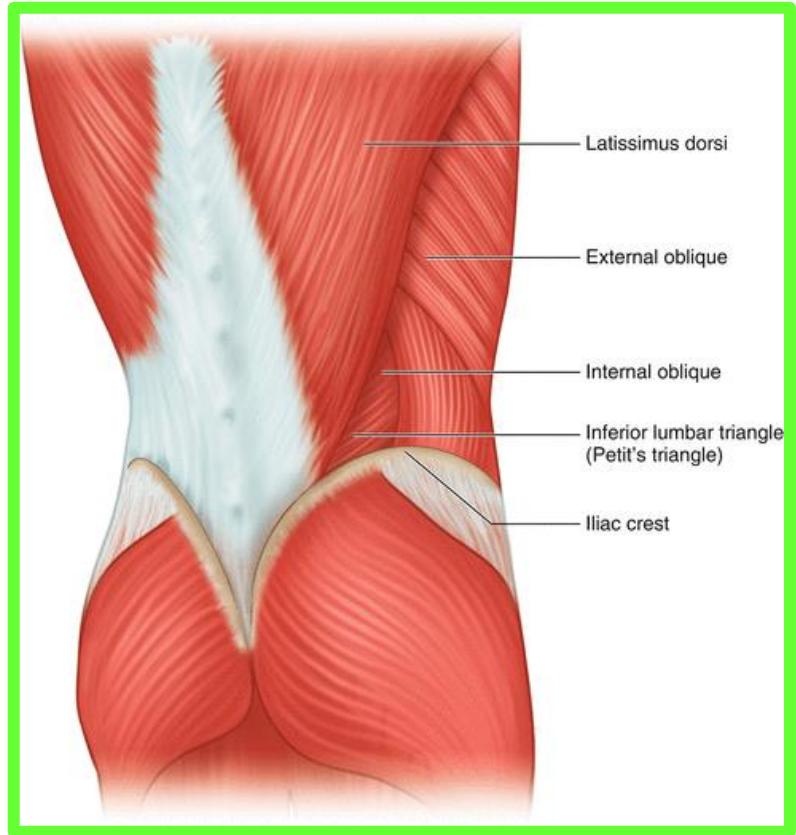
**(A) Anterior views**

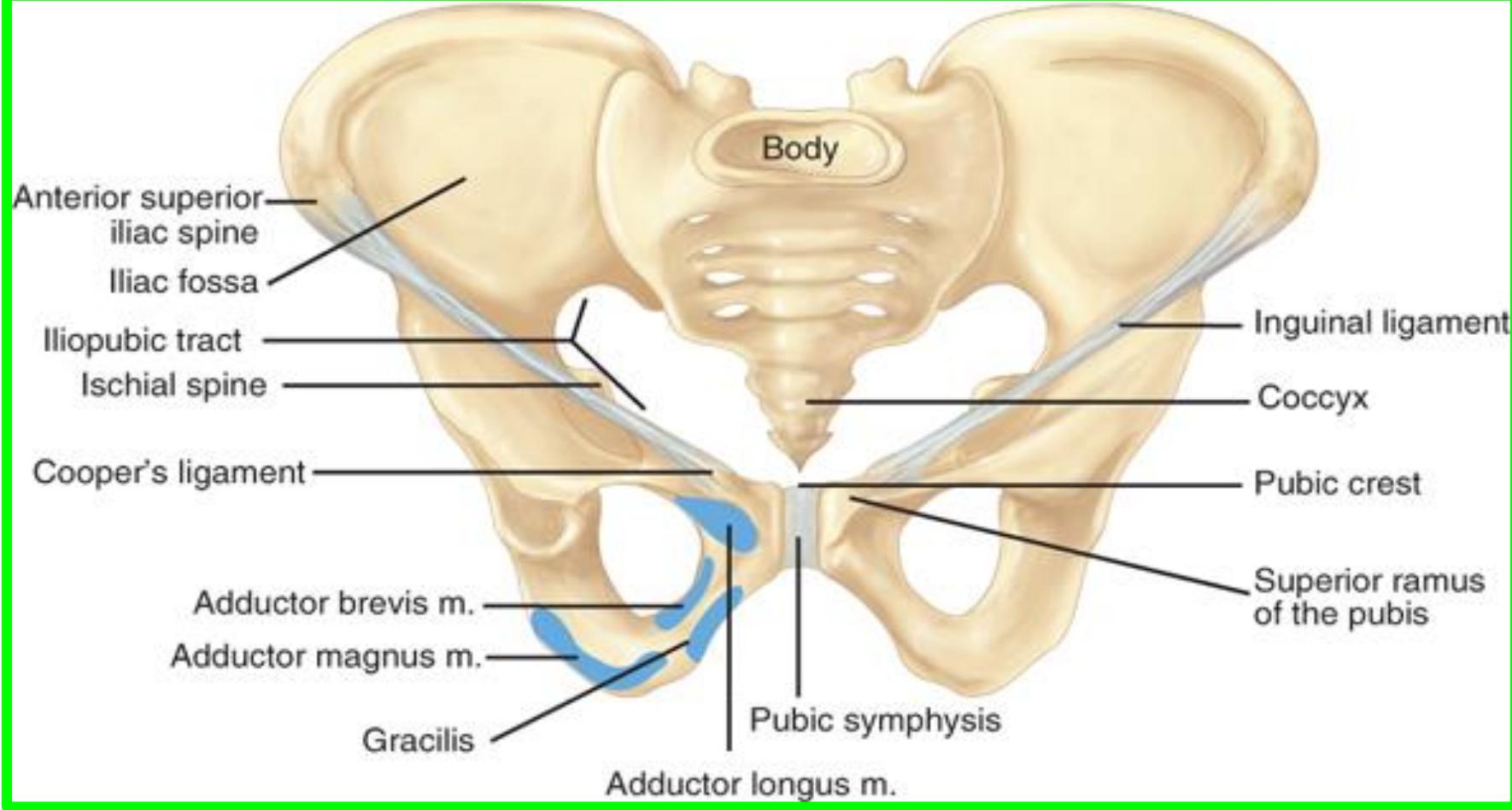


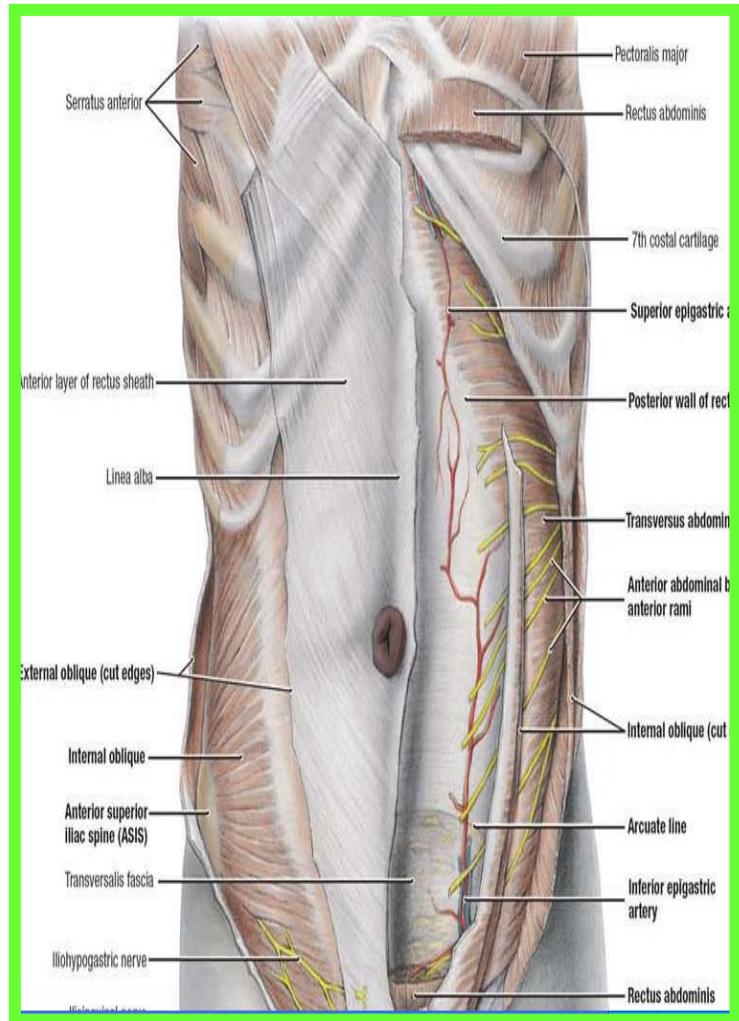
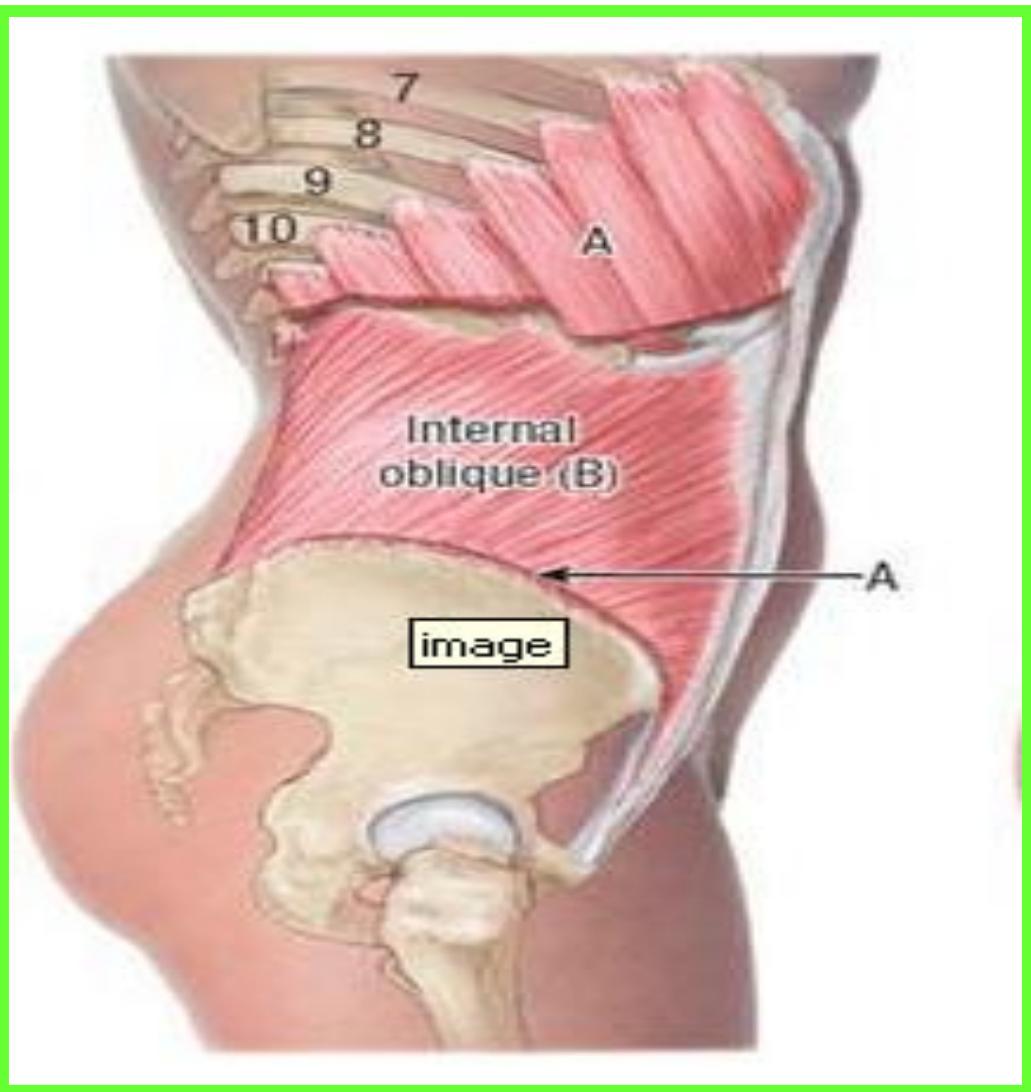
Intermuscular exchange of fibers between aponeuroses of contralateral external and internal oblique muscles.

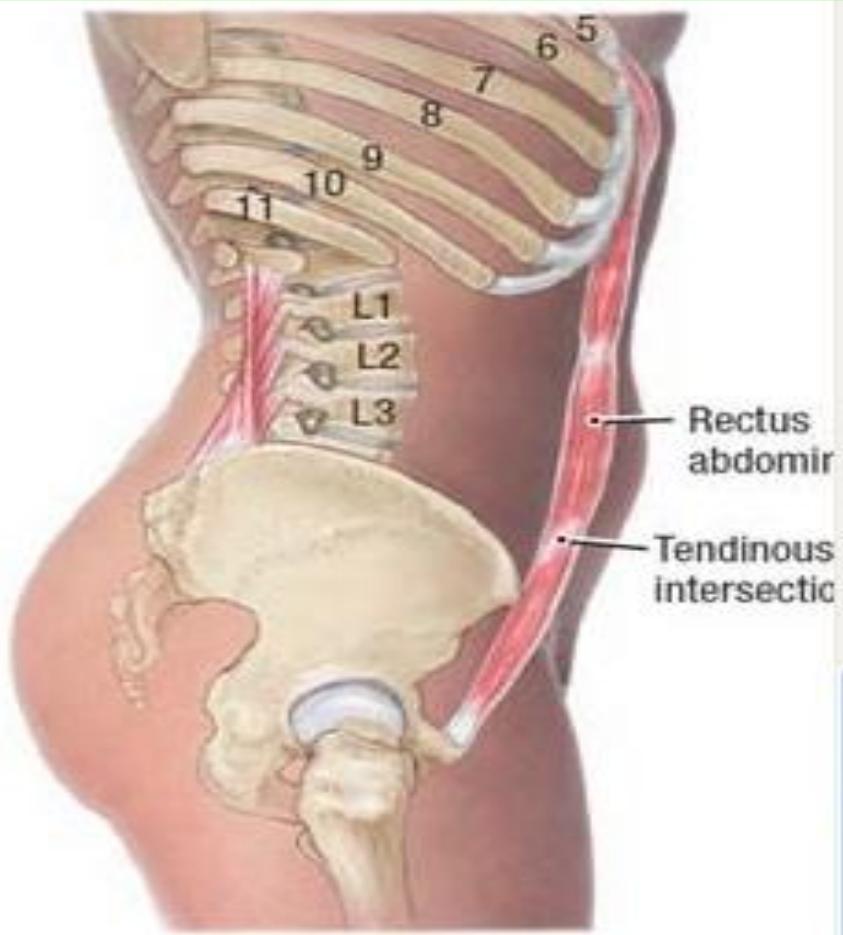
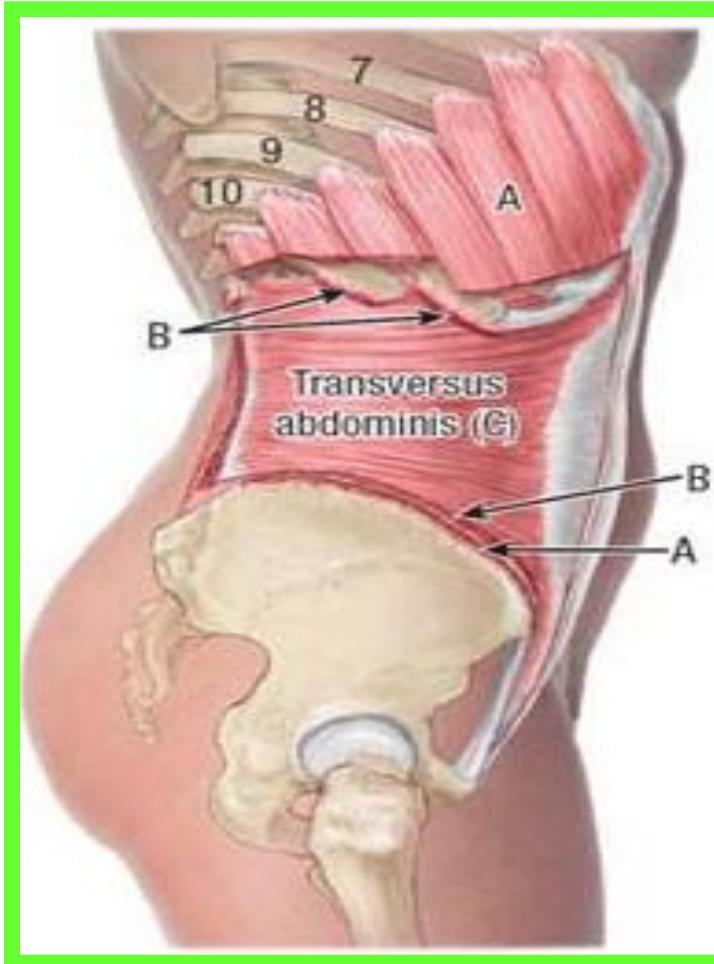
Rectus sheath

Aponeurosis of transversus

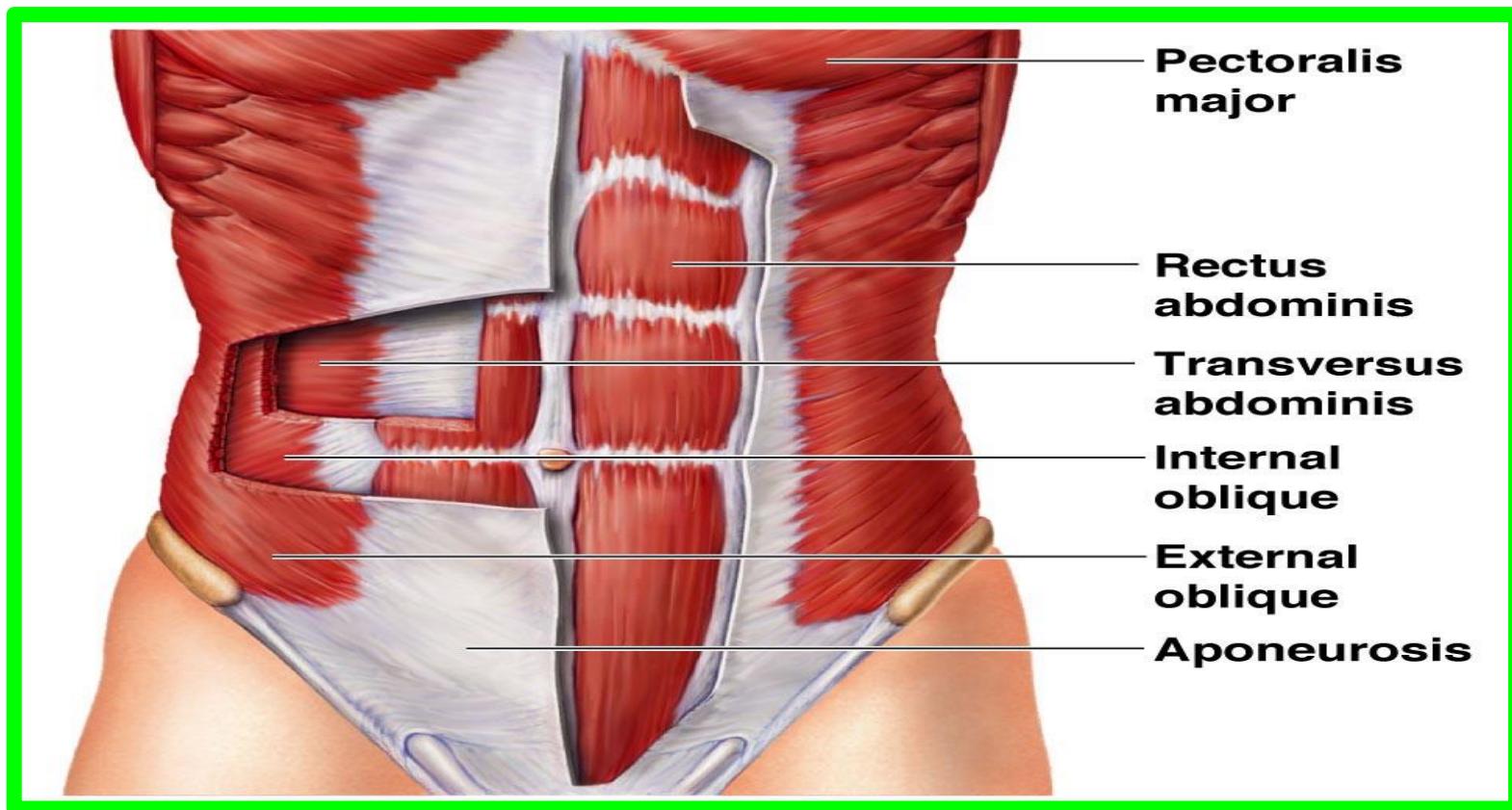




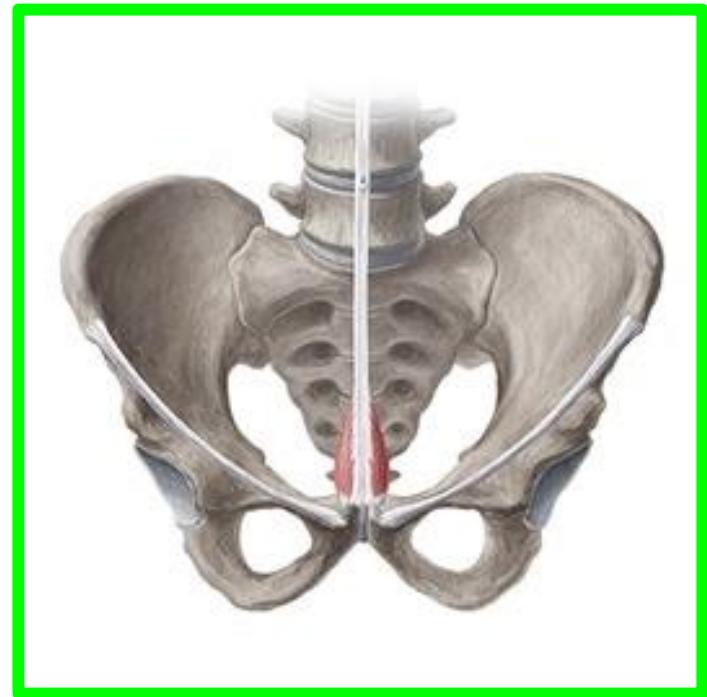
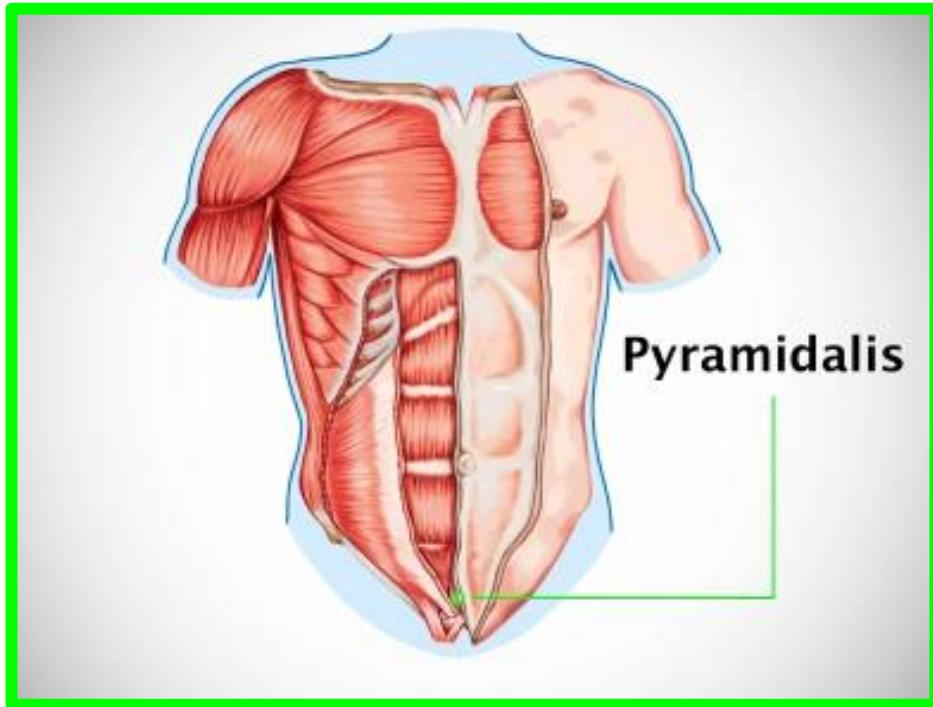




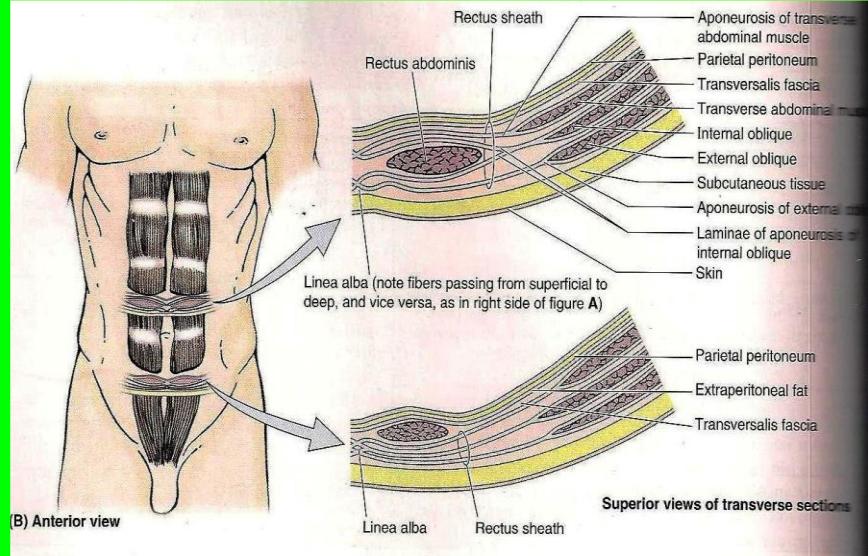
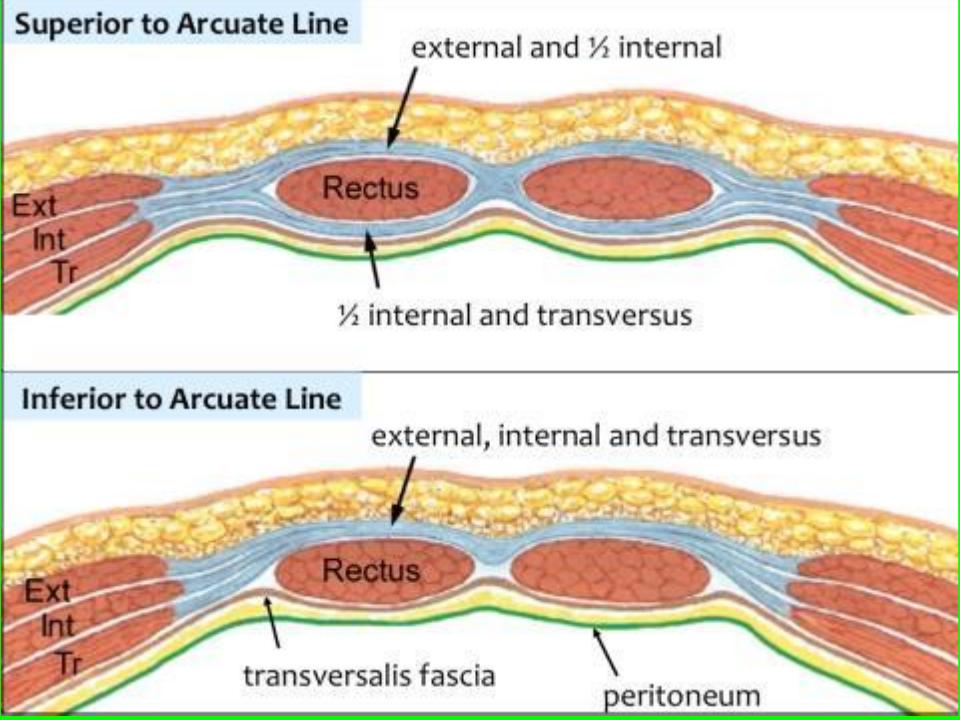
# **Rectus Abdominis Muscle**

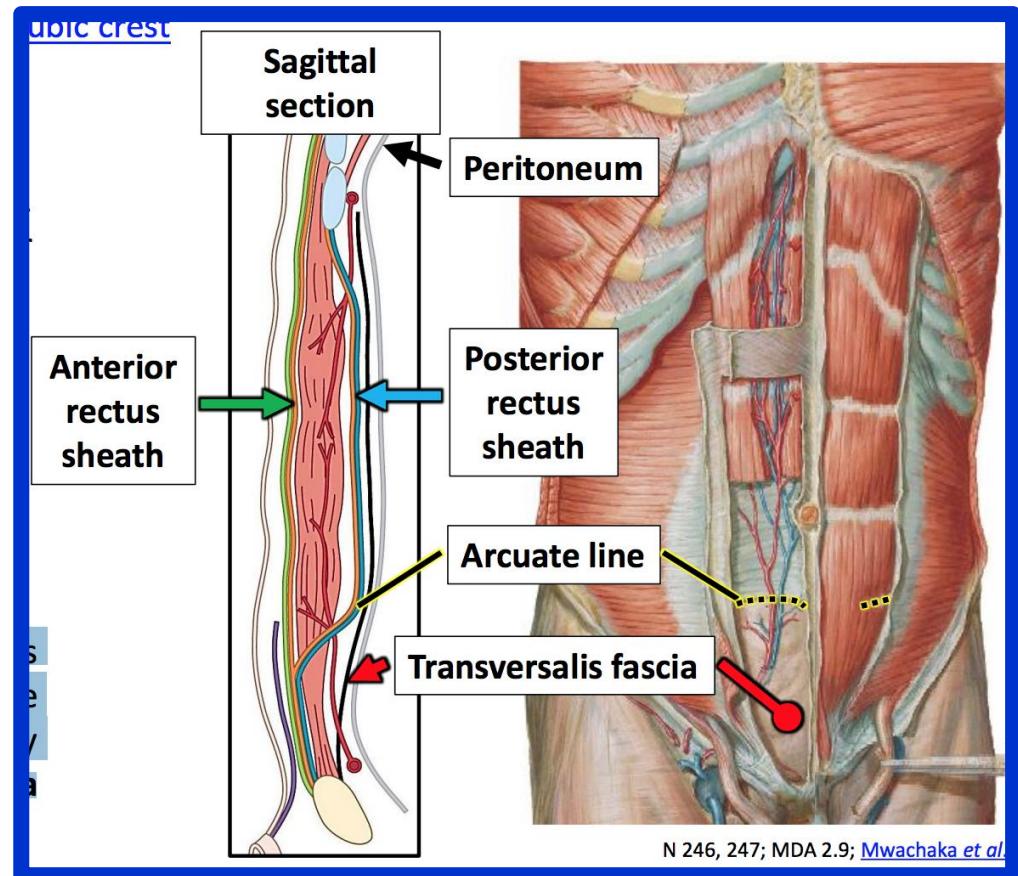
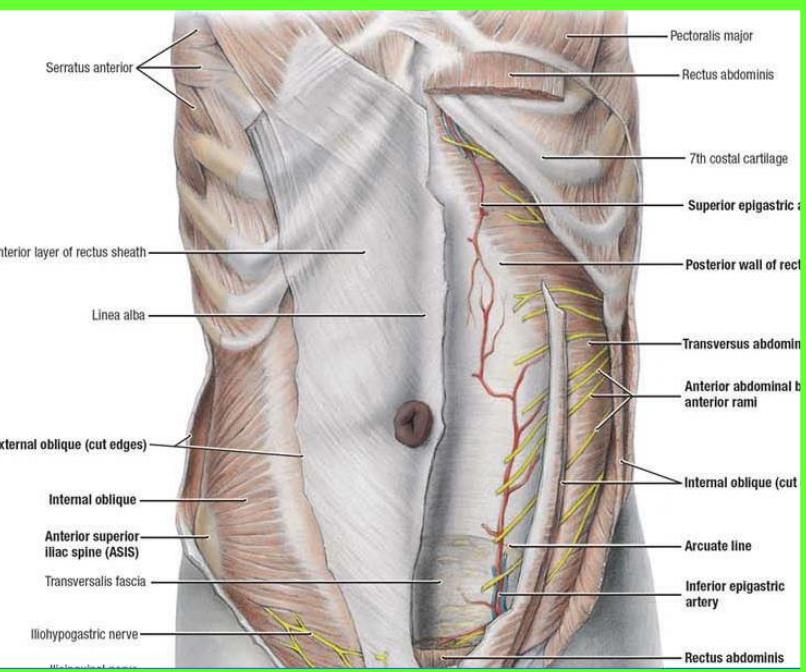


# PYRAMIDALIS



# Rectus Sheath





# Contents of the rectus sheath

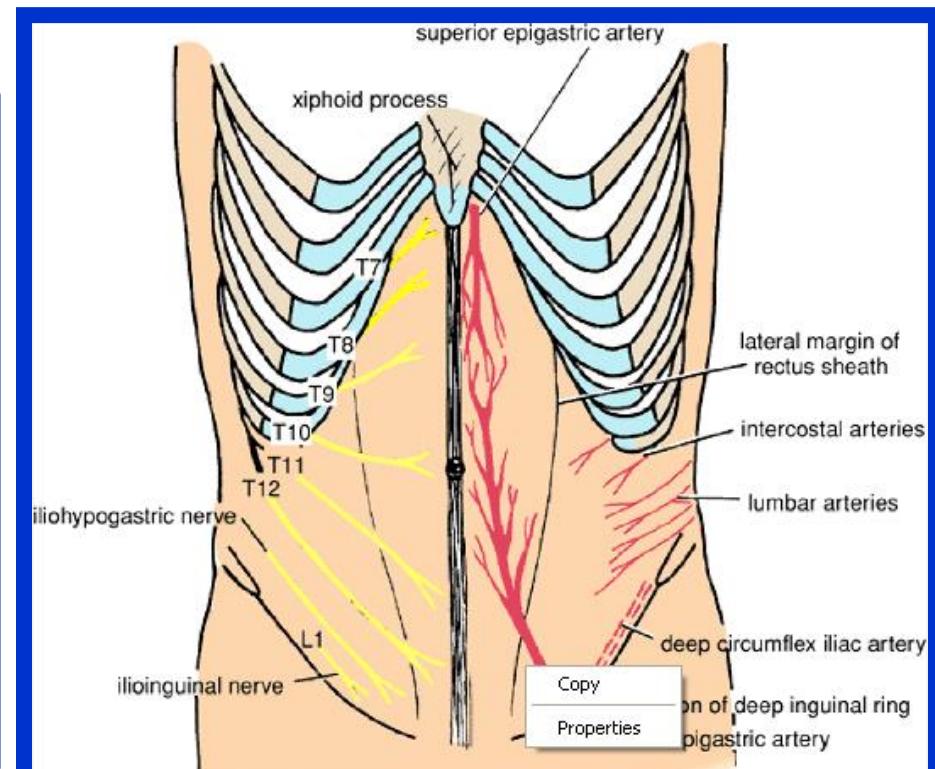
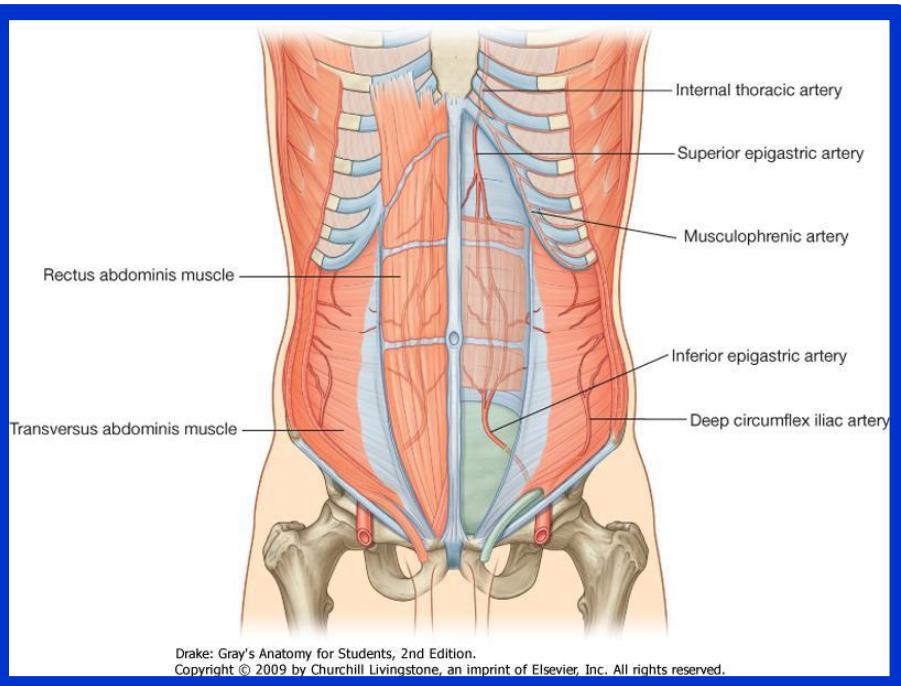
The rectus muscle✓

Pyramidalis muscle✓

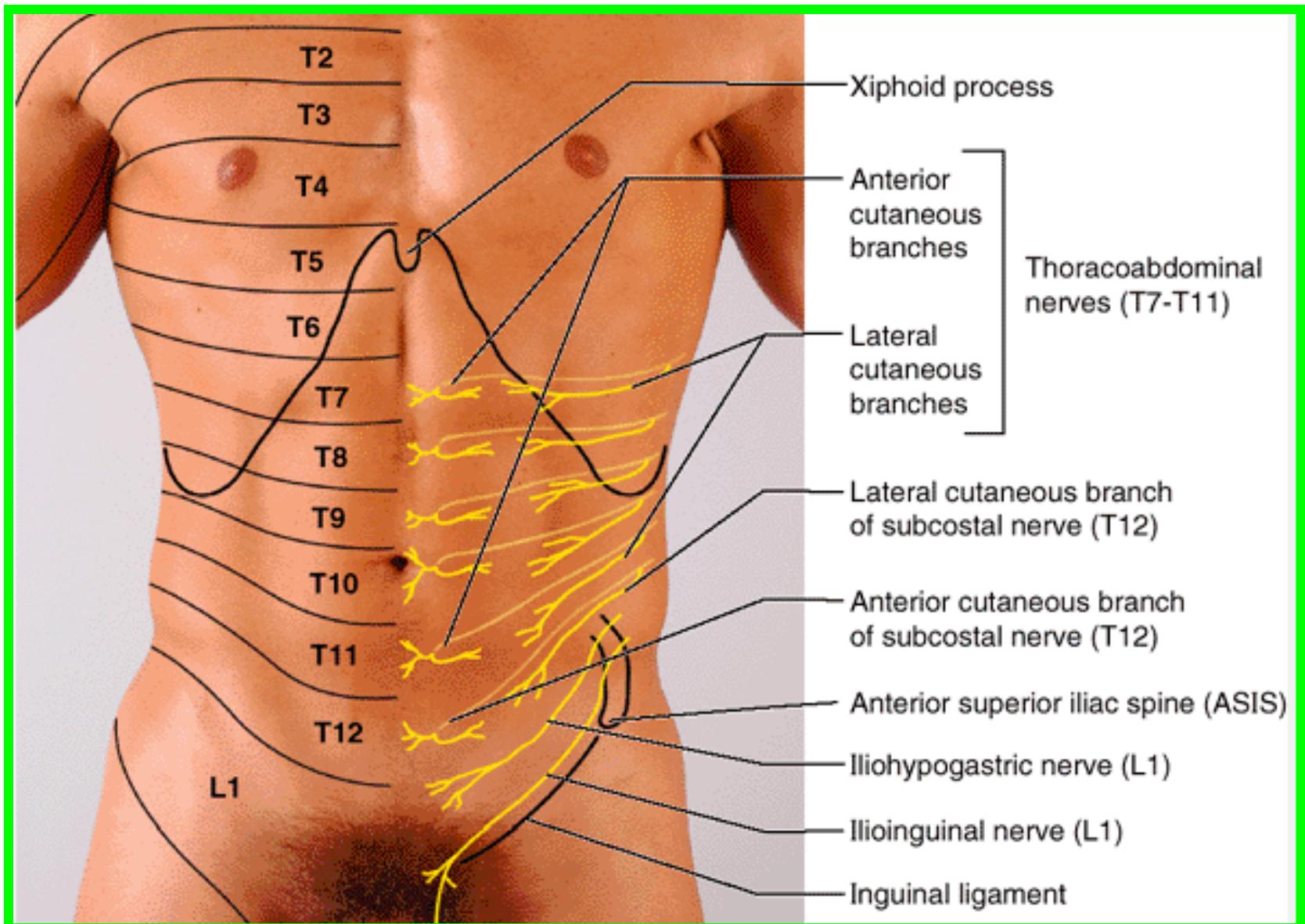
Intercostal nerves **T 7 – T 11**✓

Superior & Inferior Epigastric vessels✓

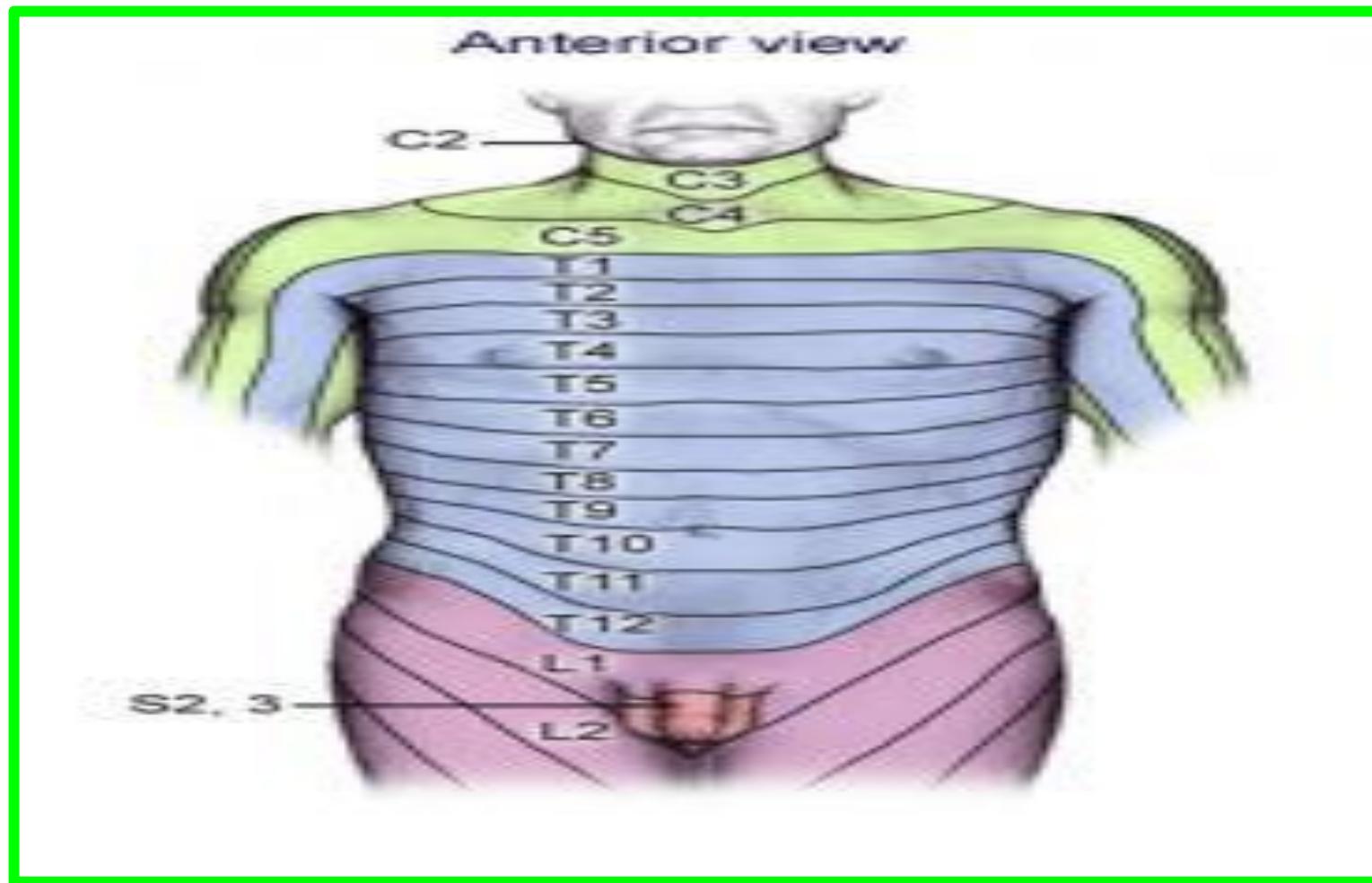
Lymphatic vessels✓



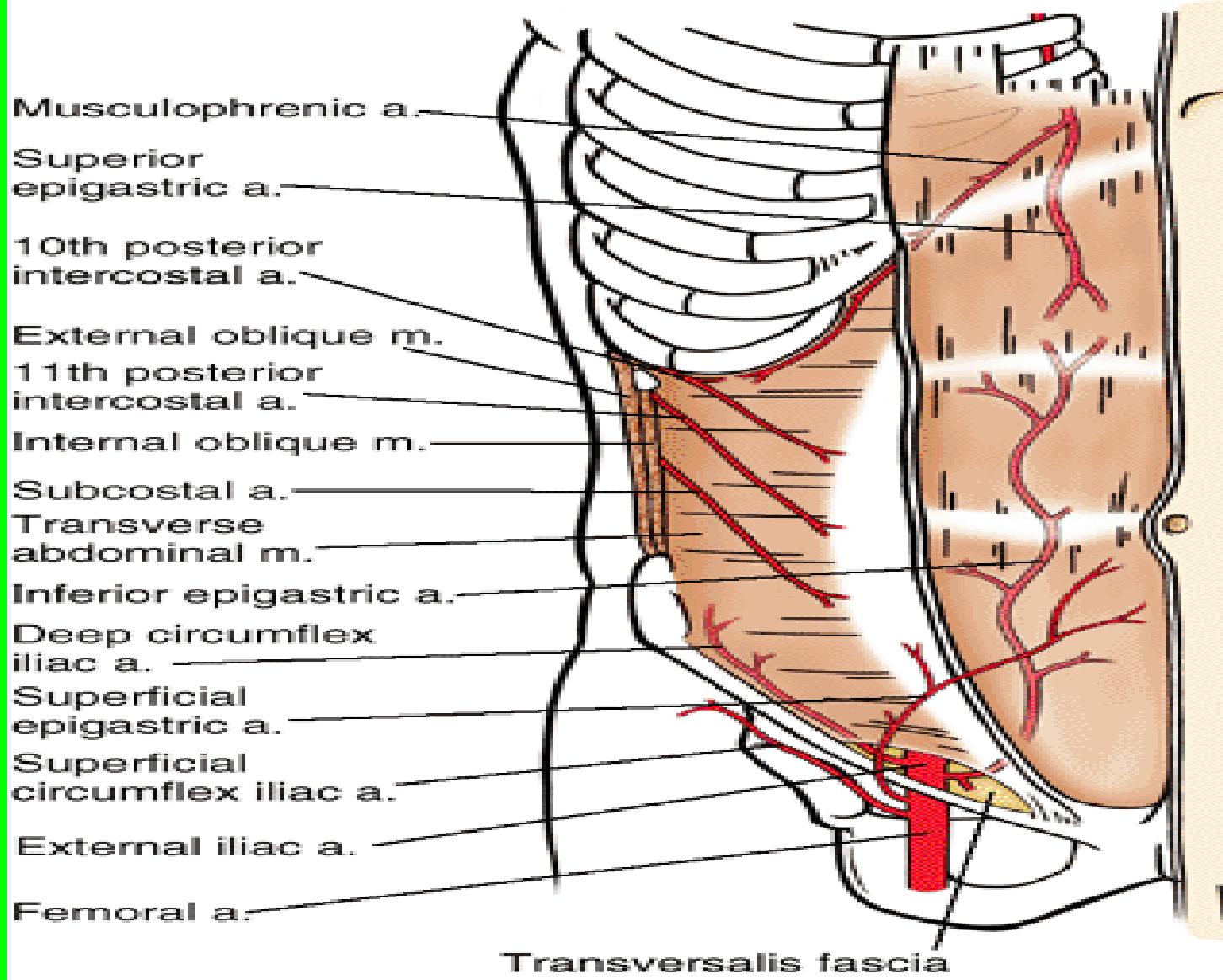
# Nerves of the Anterolateral Abdominal Wall



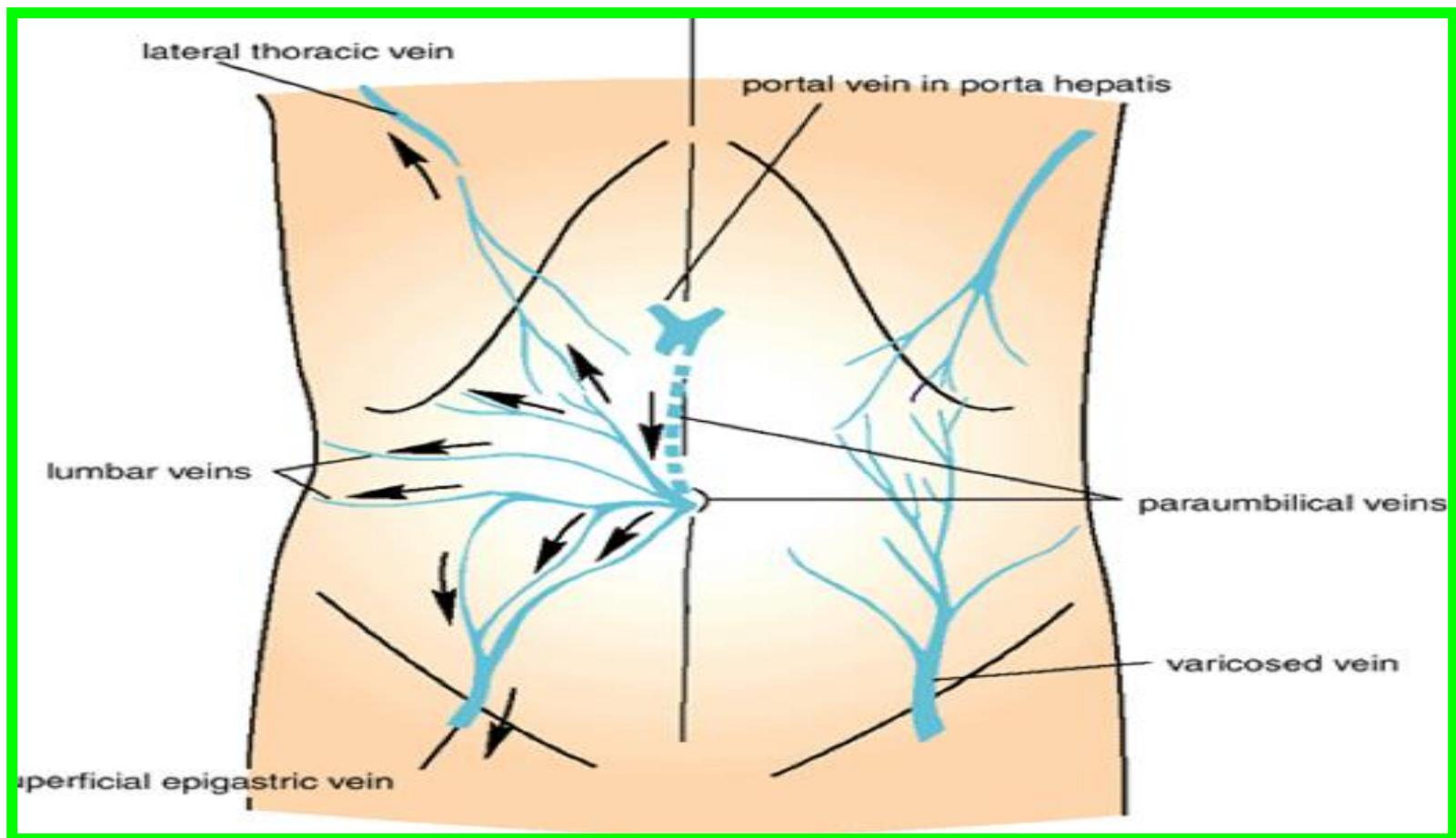
# Nerves of the Anterolateral Abdominal Wall



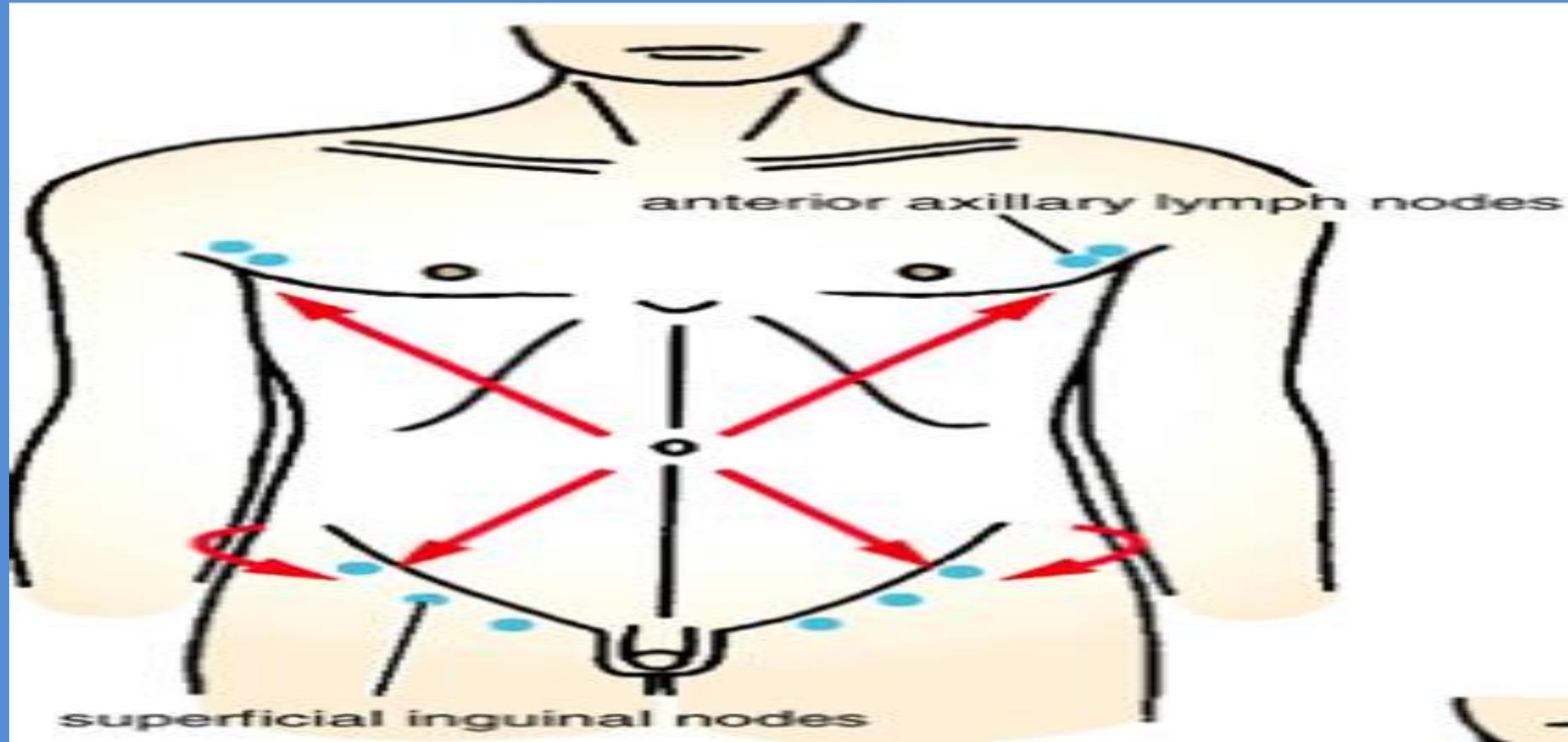
# Arteries of the Anterolateral Abdominal Wall



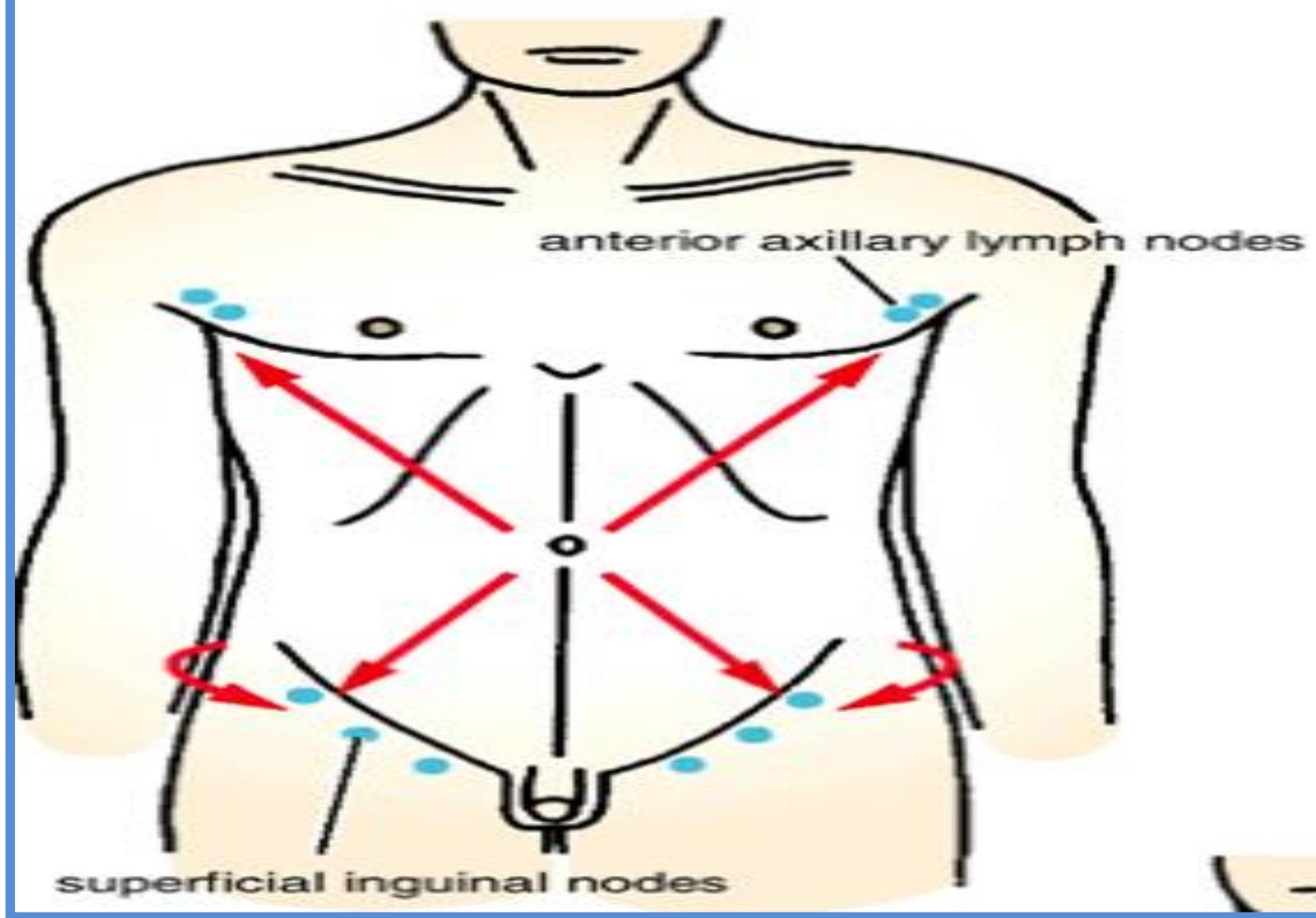
# Veins of the Anterior Abdominal Wall

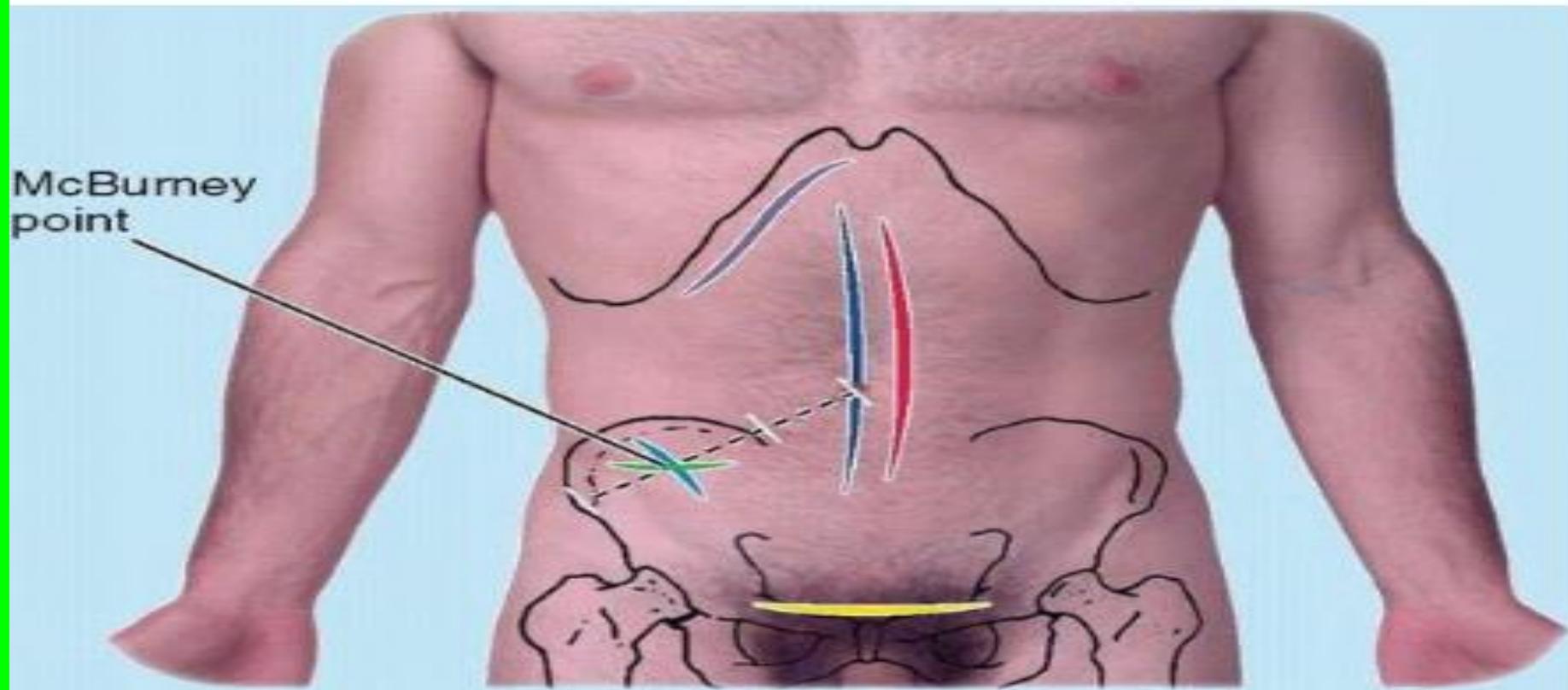


# Lymph Drainage of the Anterior Abdominal Wall



# Lymph Drainage of the Anterior Abdominal Wall

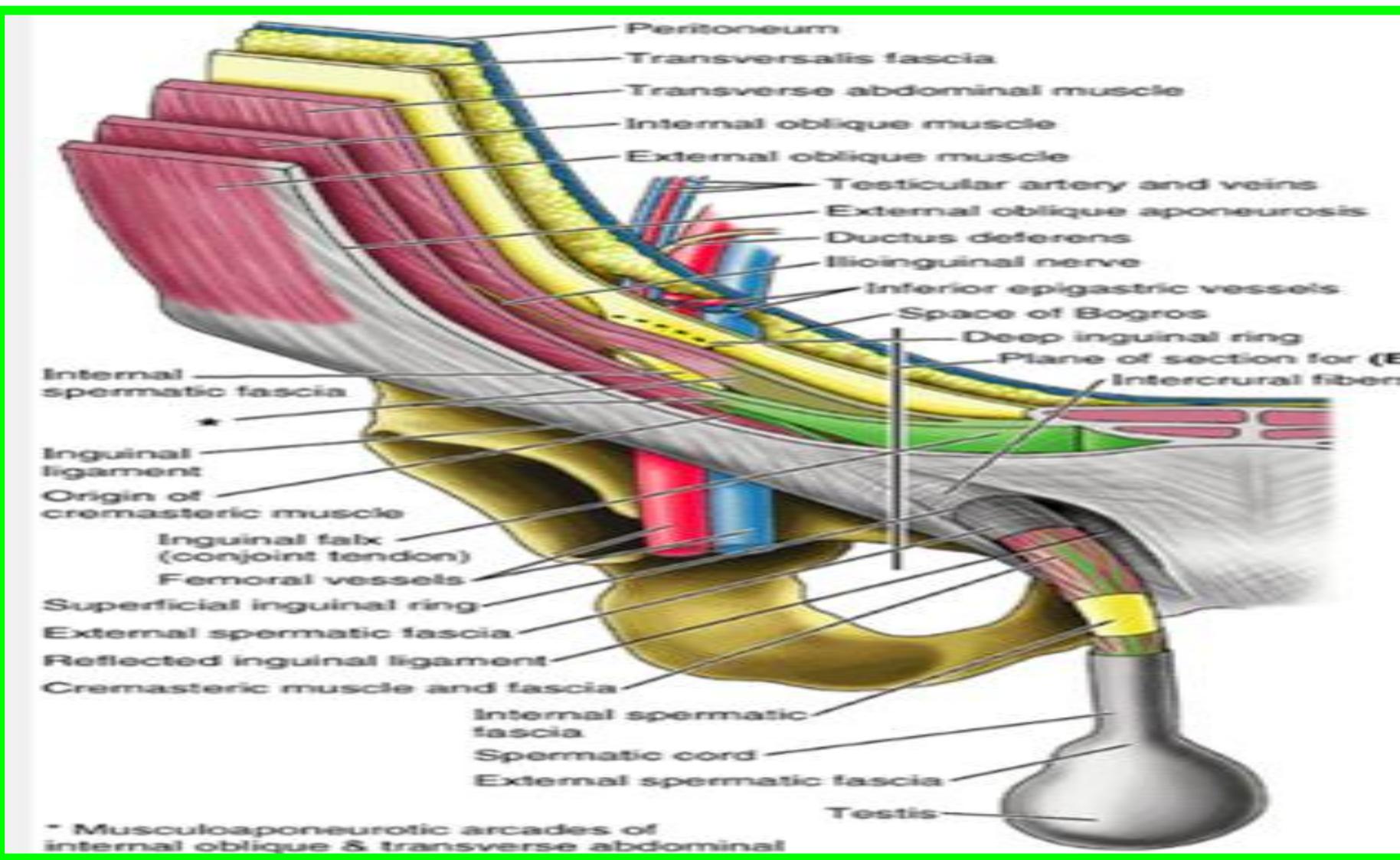


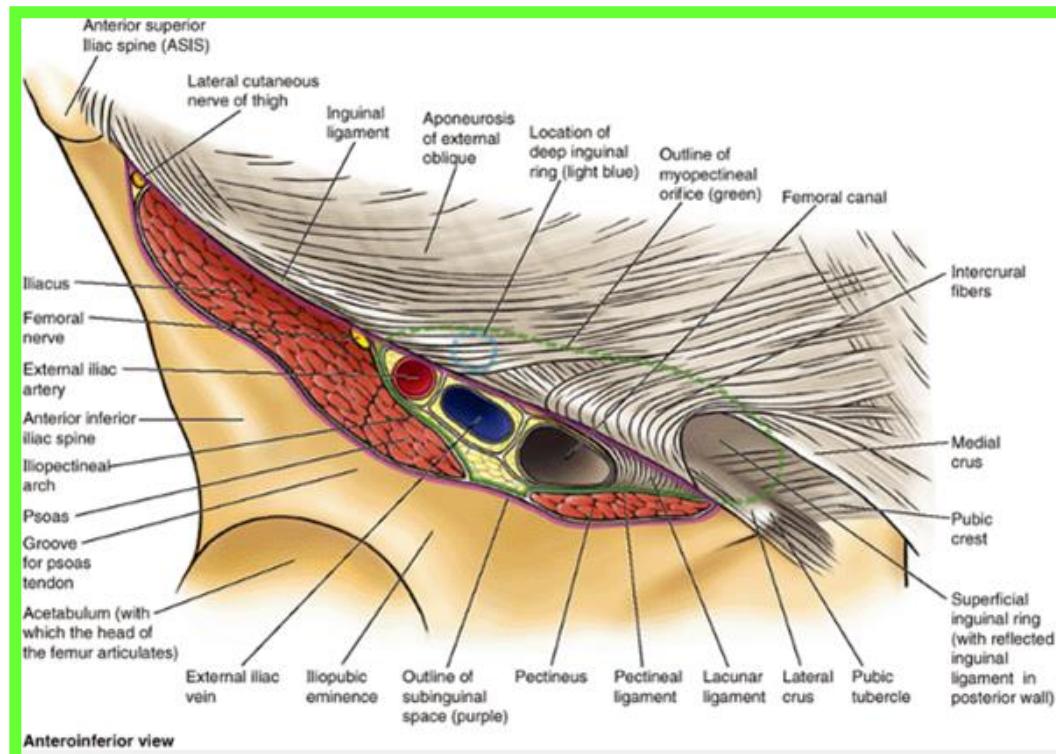
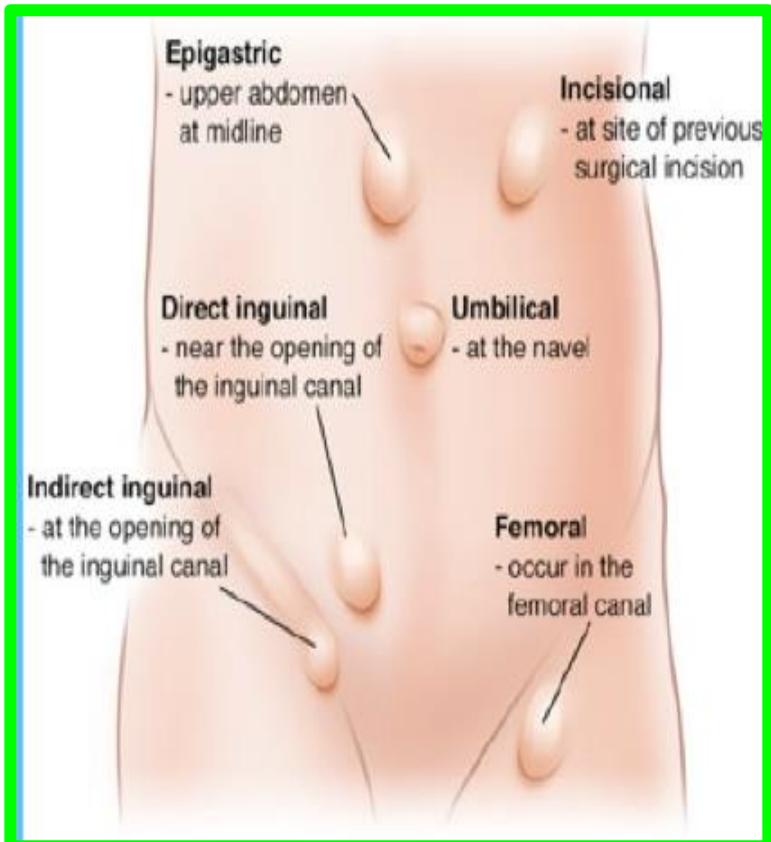


### Key

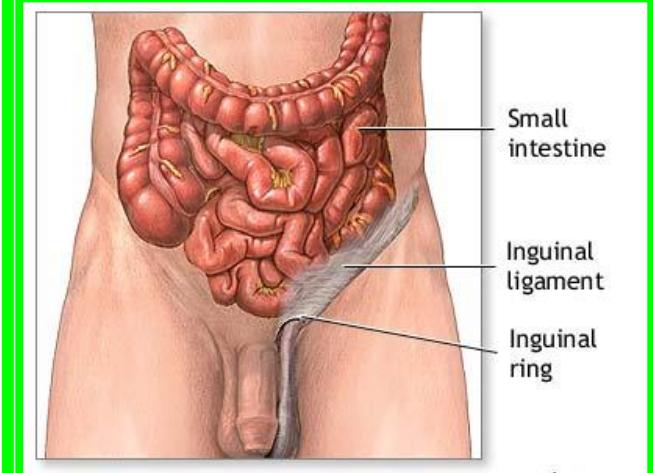
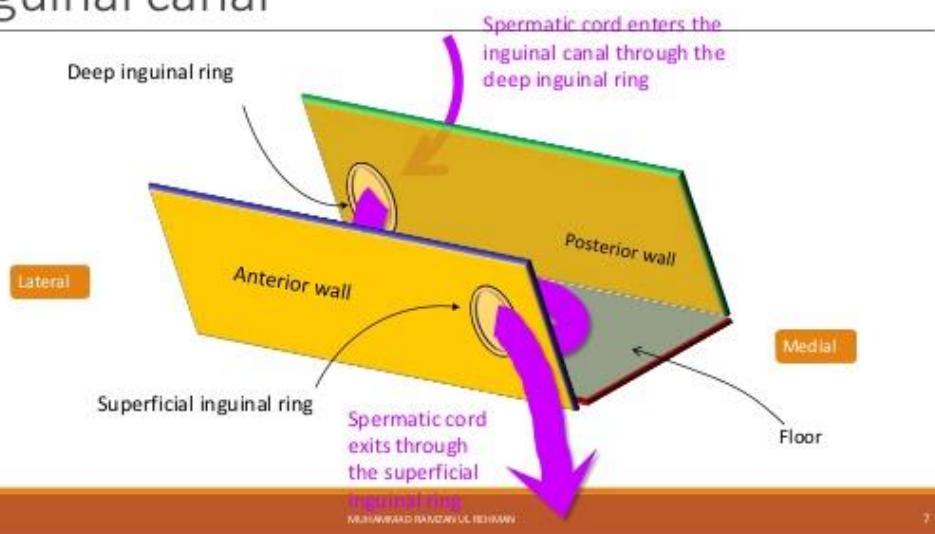
- Median or midline incision
- Left paramedian incision
- Gridiron (muscle-splitting) incision  
(traditional McBurney incision  
and horizontal incision)
- Suprapubic (Pfannenstiel) incision
- Transverse (abdominal) incision
- Subcostal incision

# Inguinal Region





## Inguinal canal



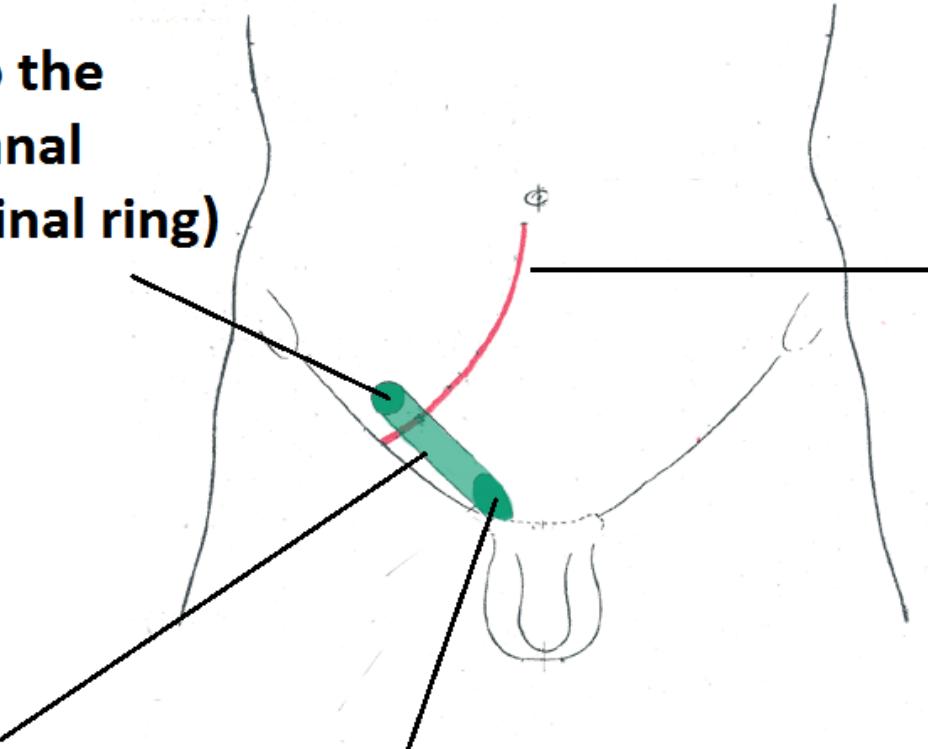
ADAM.

**Opening to the  
inguinal canal  
(deep inguinal ring)**

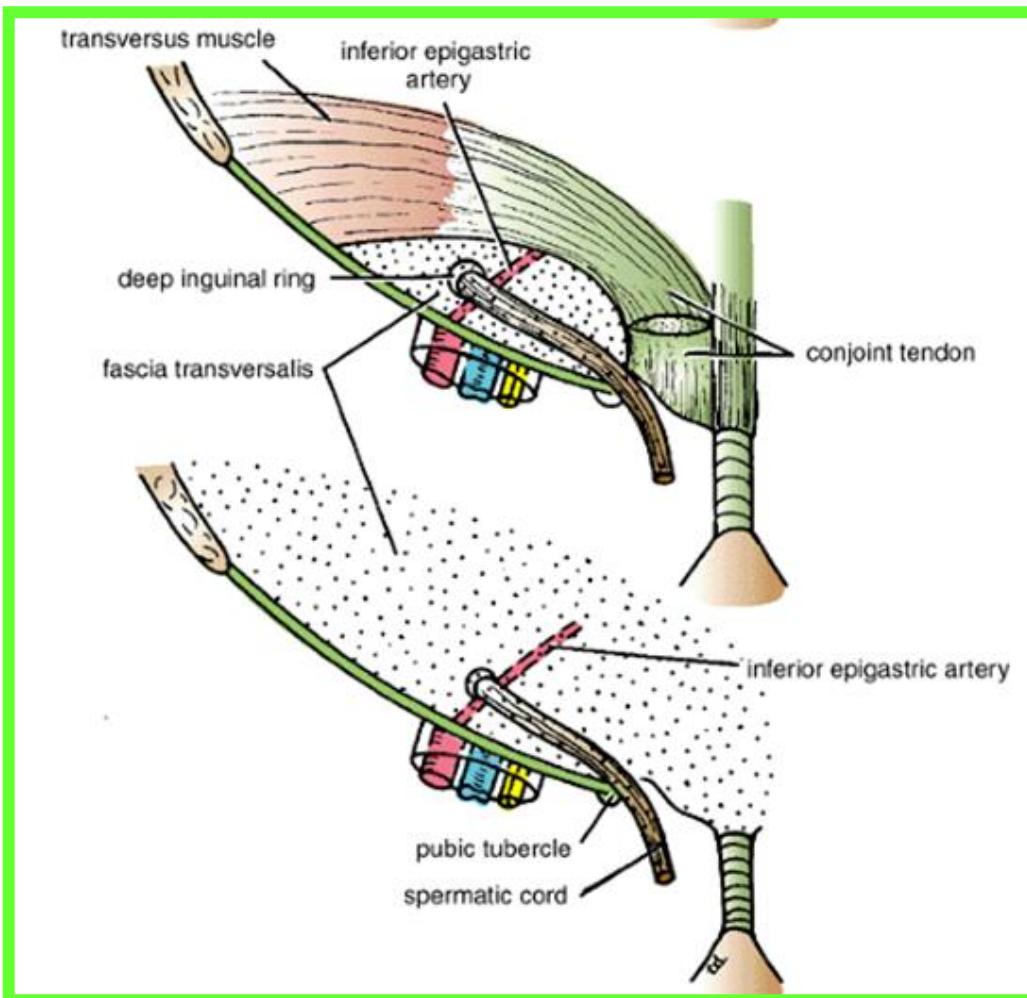
**Inferior  
epigastric vessels**

**Inguinal canal**

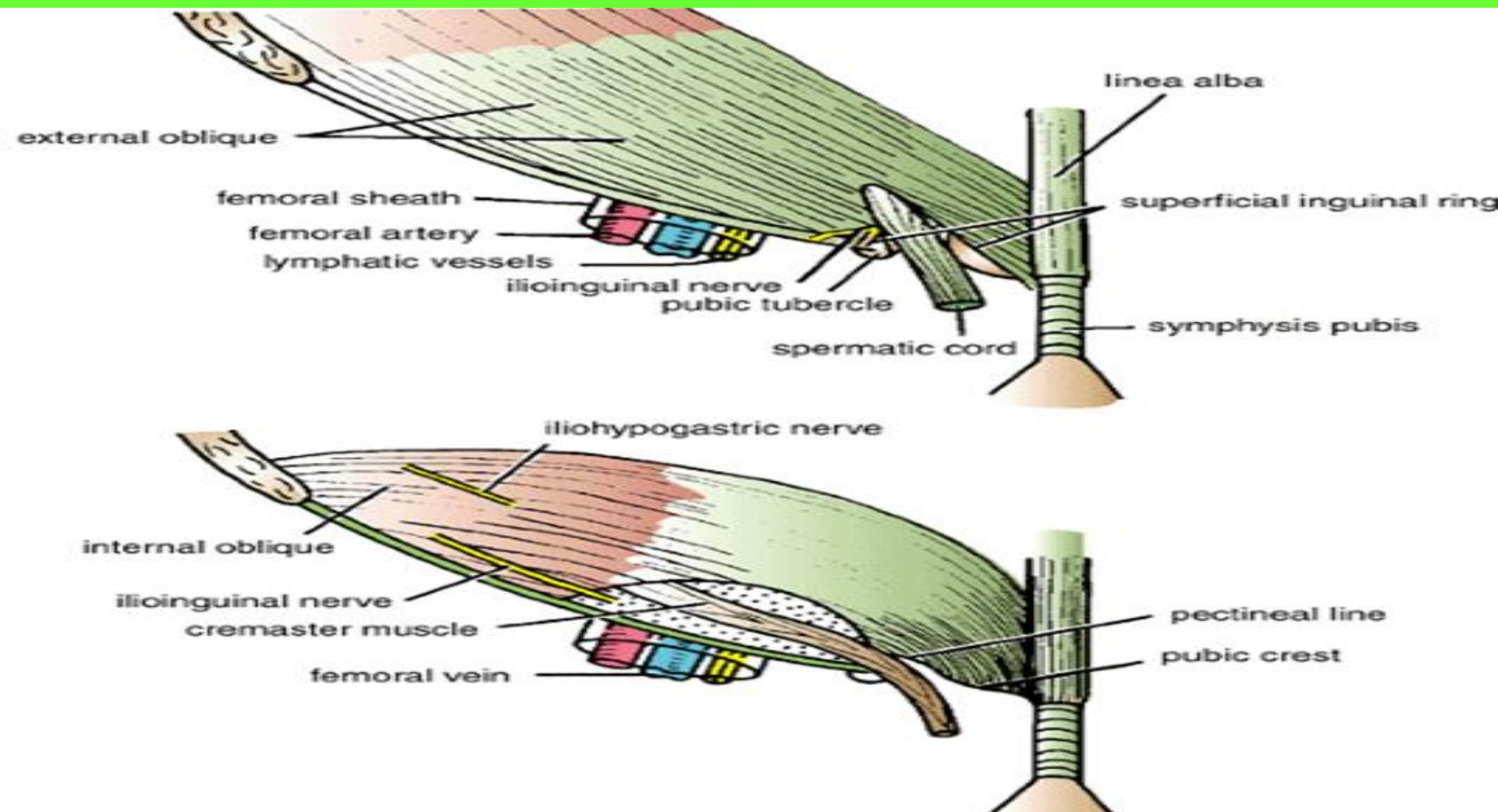
**Exit from the inguinal canal  
(superficial inguinal ring)**



## *The deep inguinal ring, □*



## The deep inguinal ring



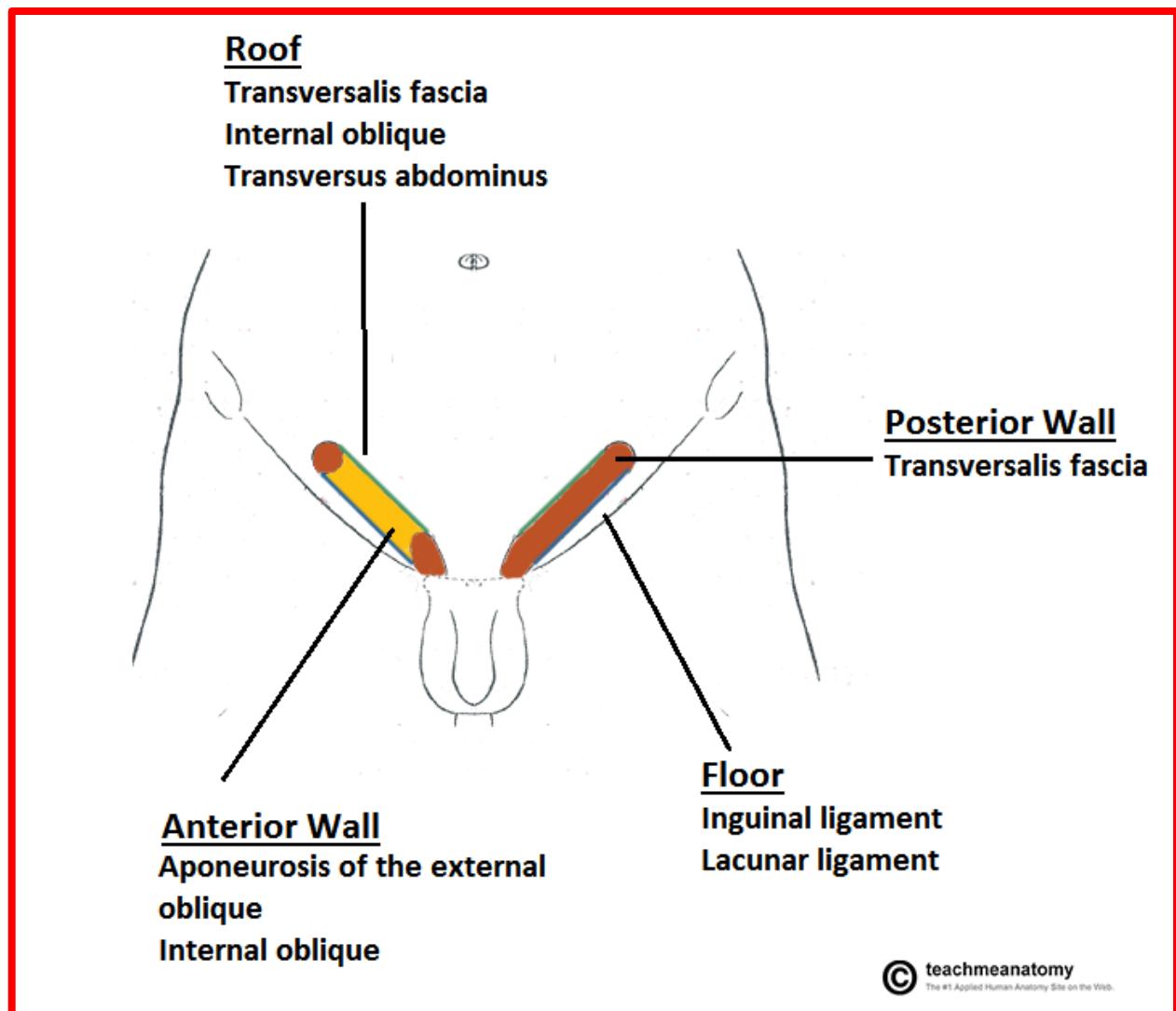
# **Walls of the Inguinal Canal**

**Anterior wall ✓**

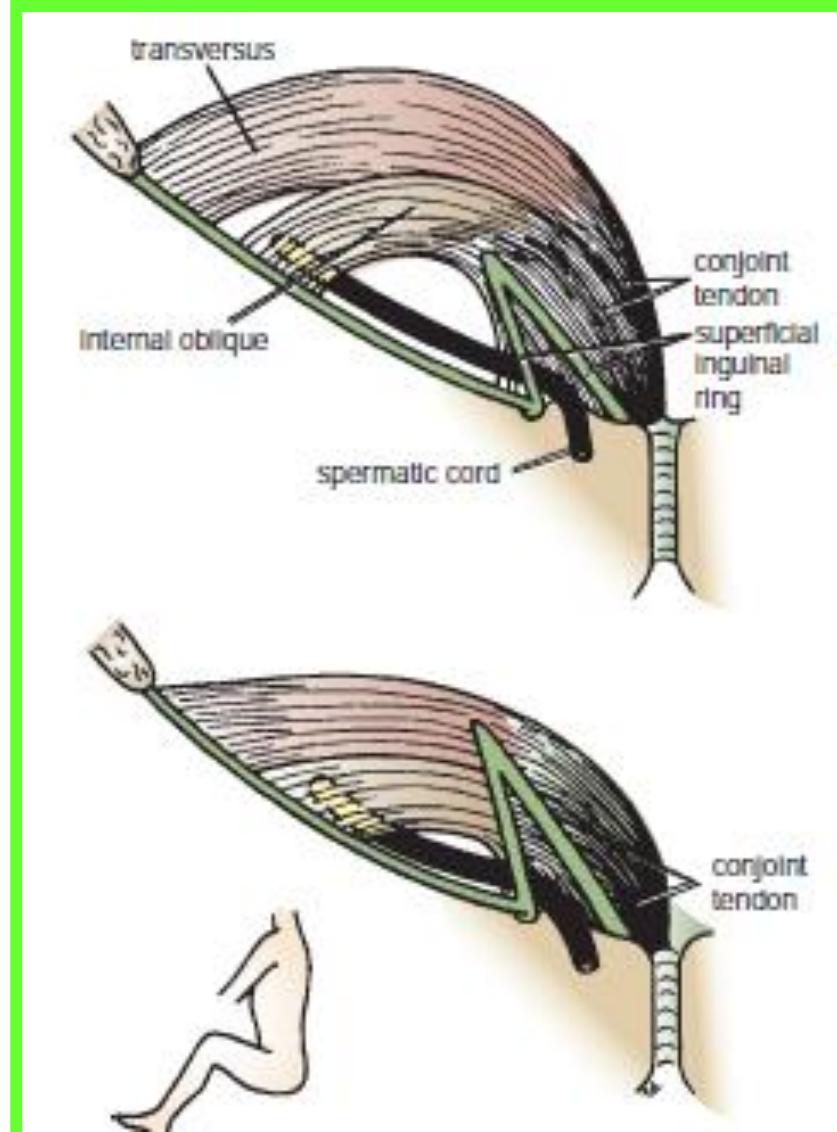
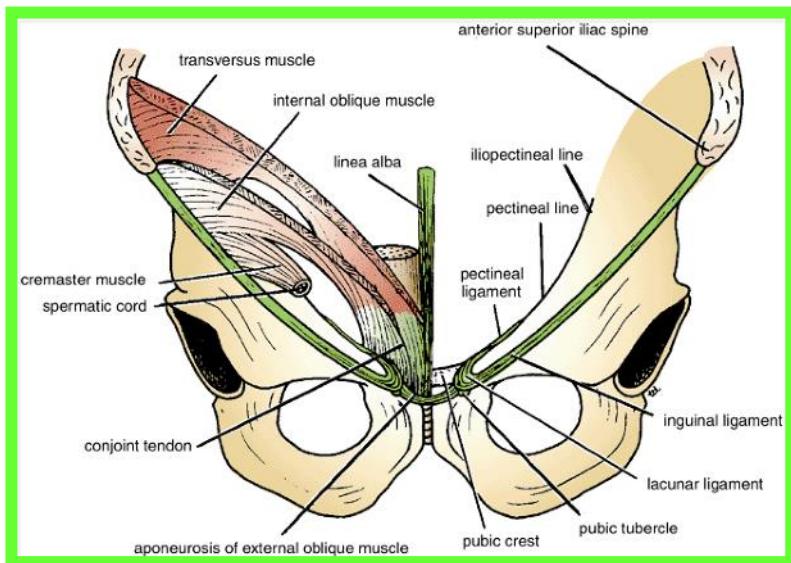
**Posterior wall✓**

**Roof✓**

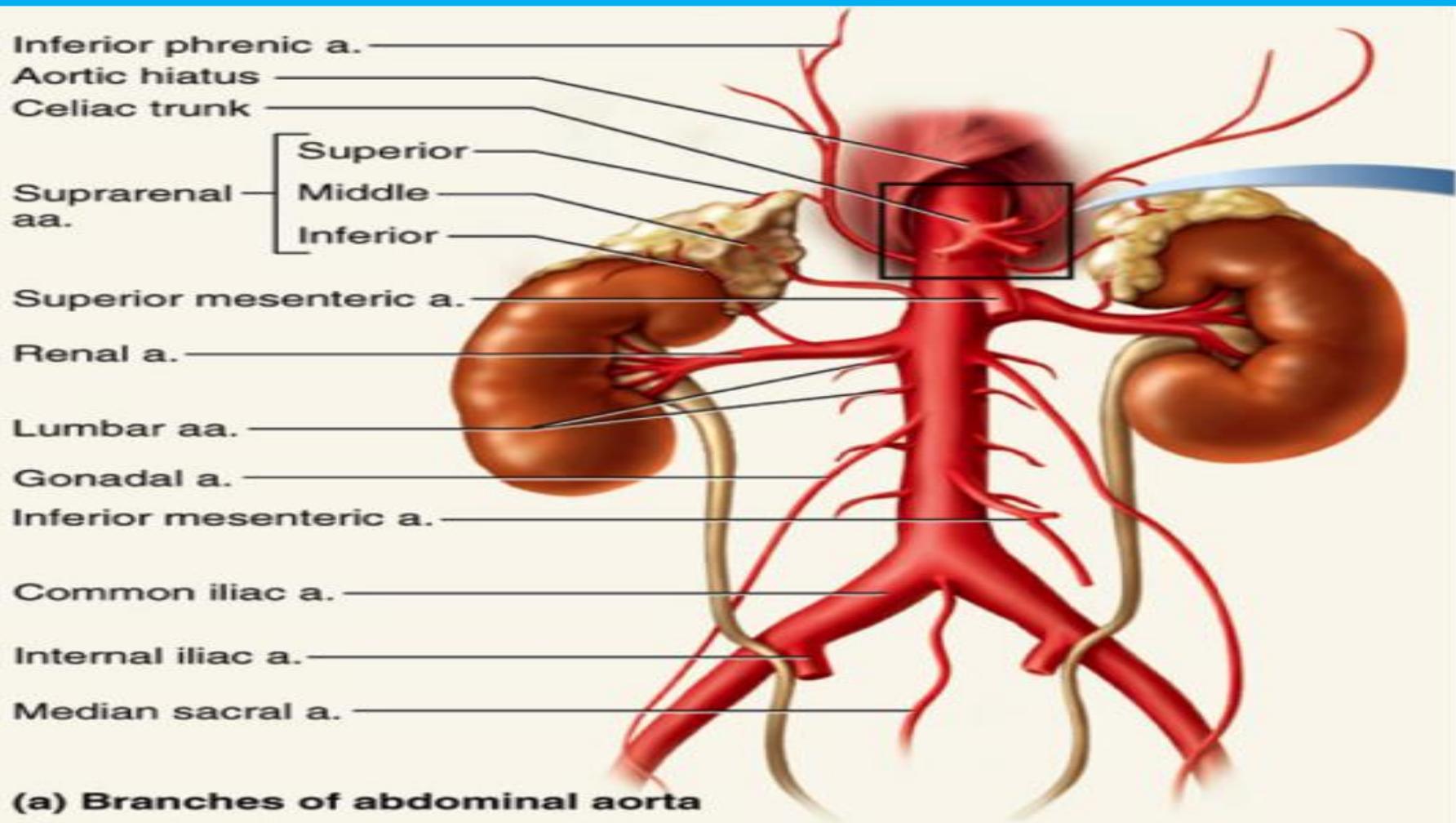
**Floor✓**



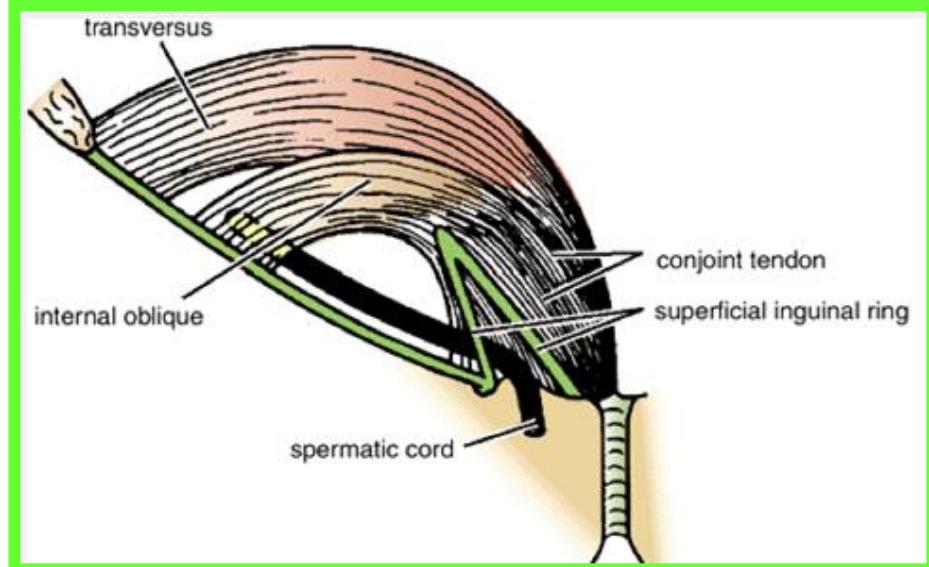
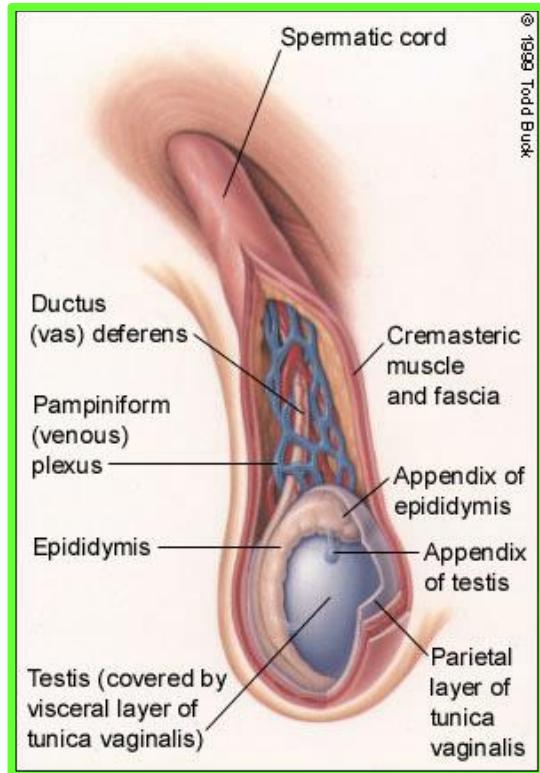
# Walls of the Inguinal Canal



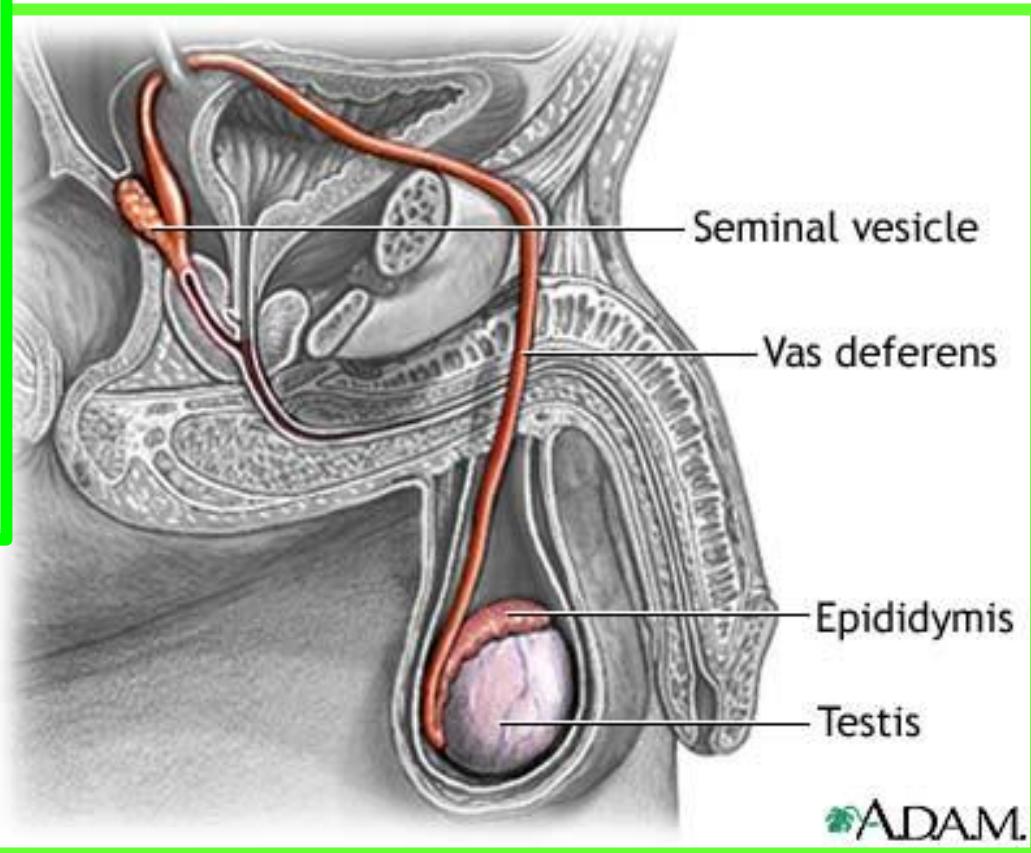
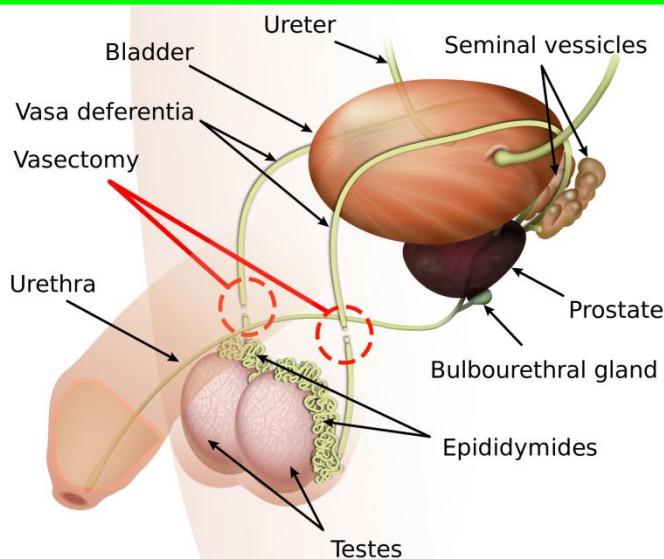
# Testicular Artery♦



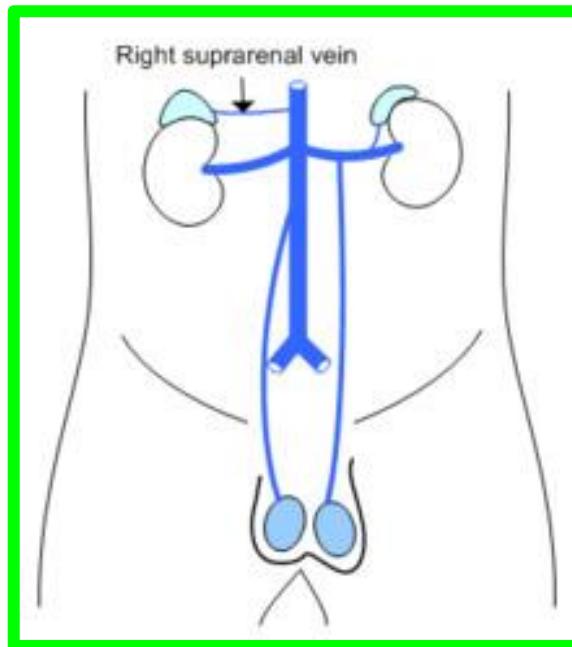
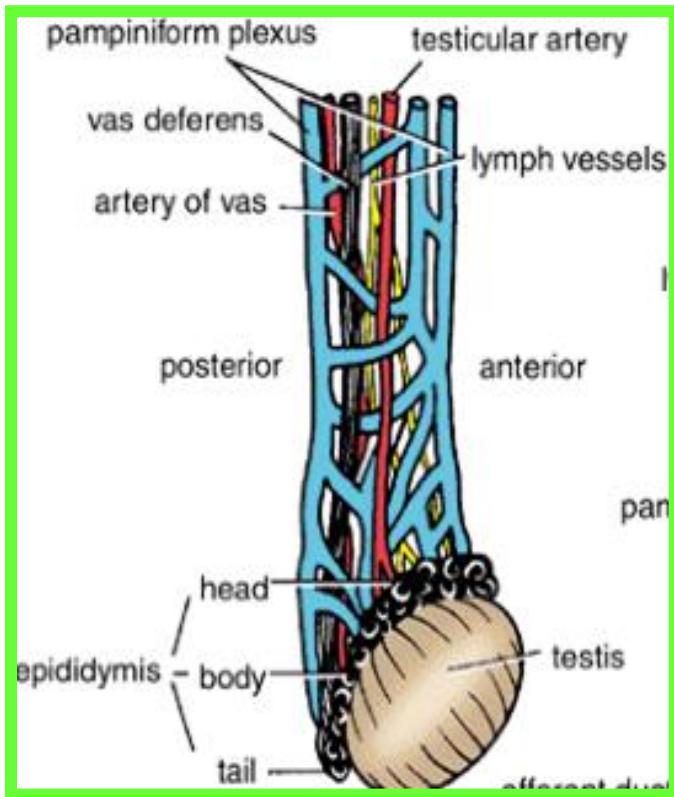
# Spermatic Cord



# Vas Deferens (Ductus Deferens) ♦

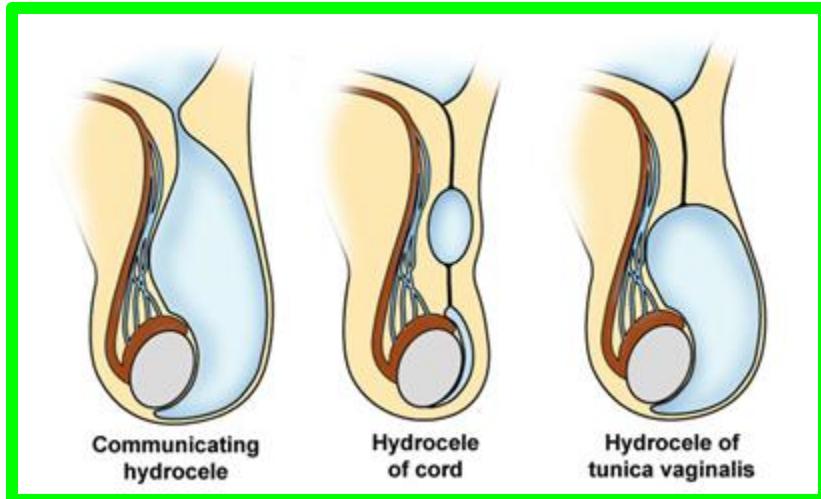
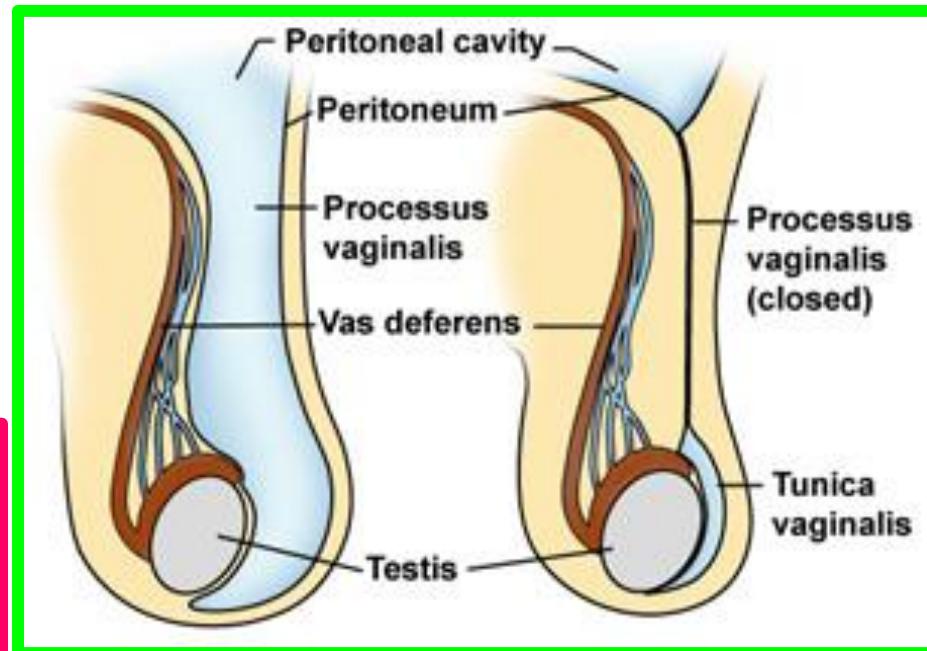


## Testicular Veins



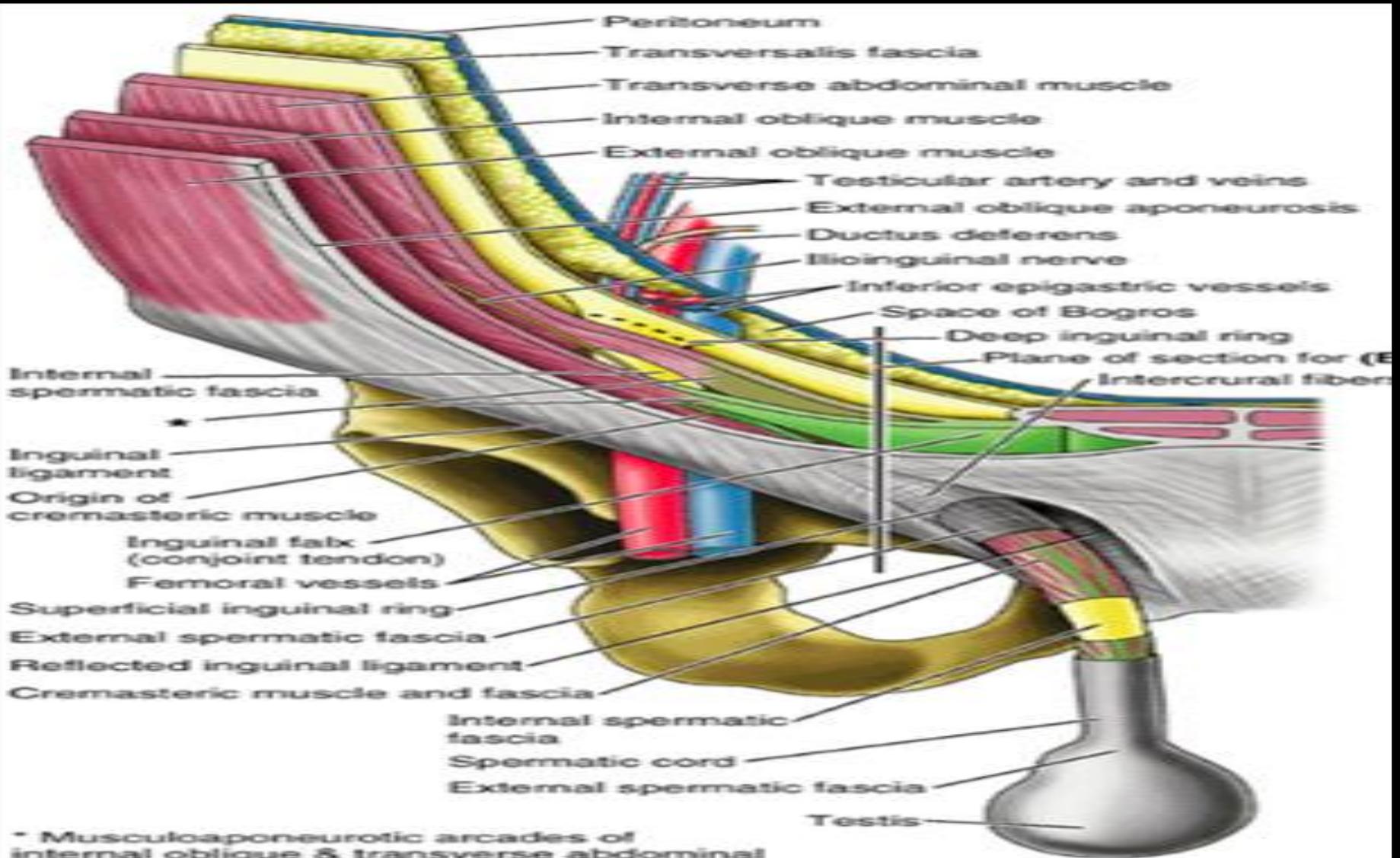
# Processus Vaginalis ♦

The remains of the processus vaginalis are present within the cord

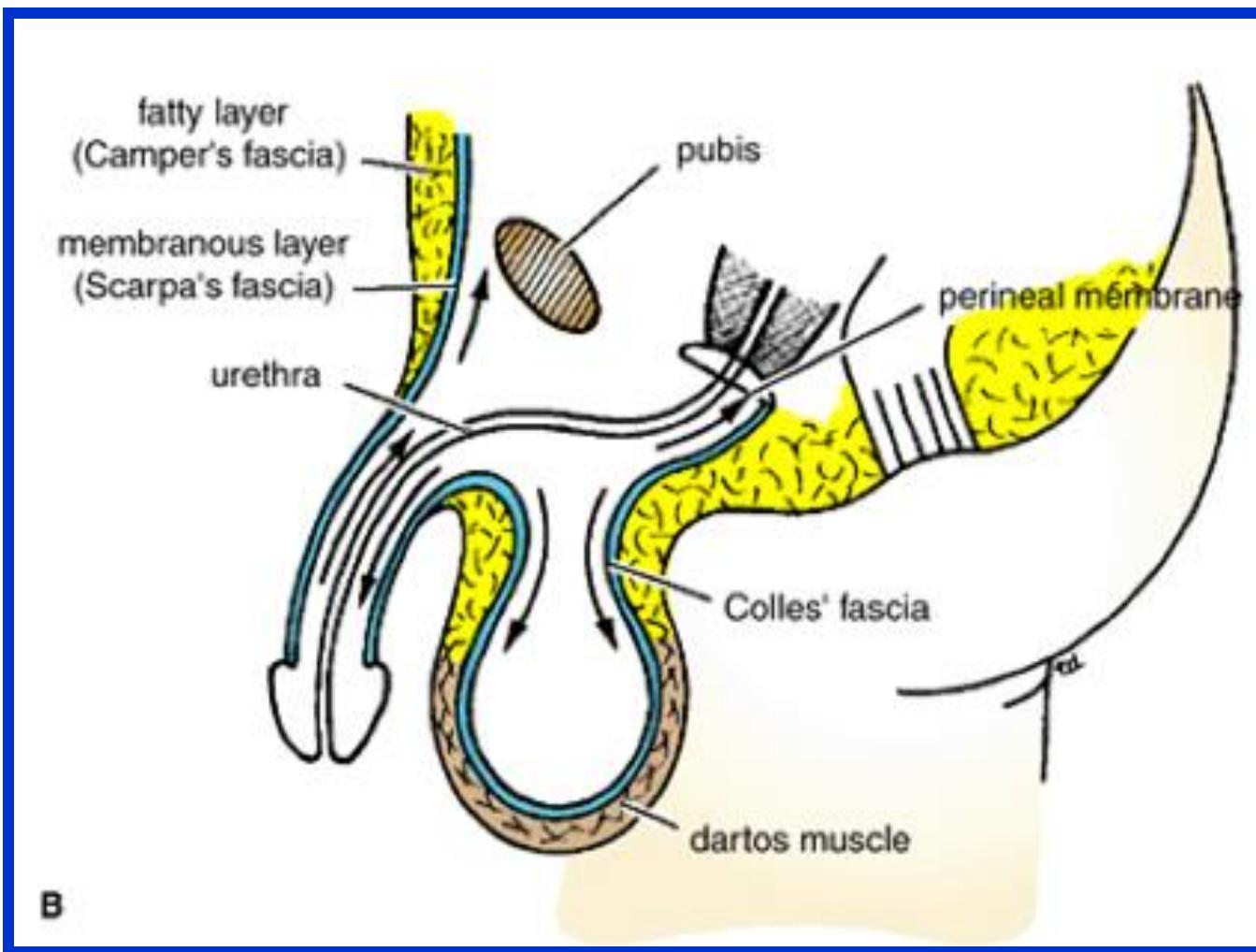


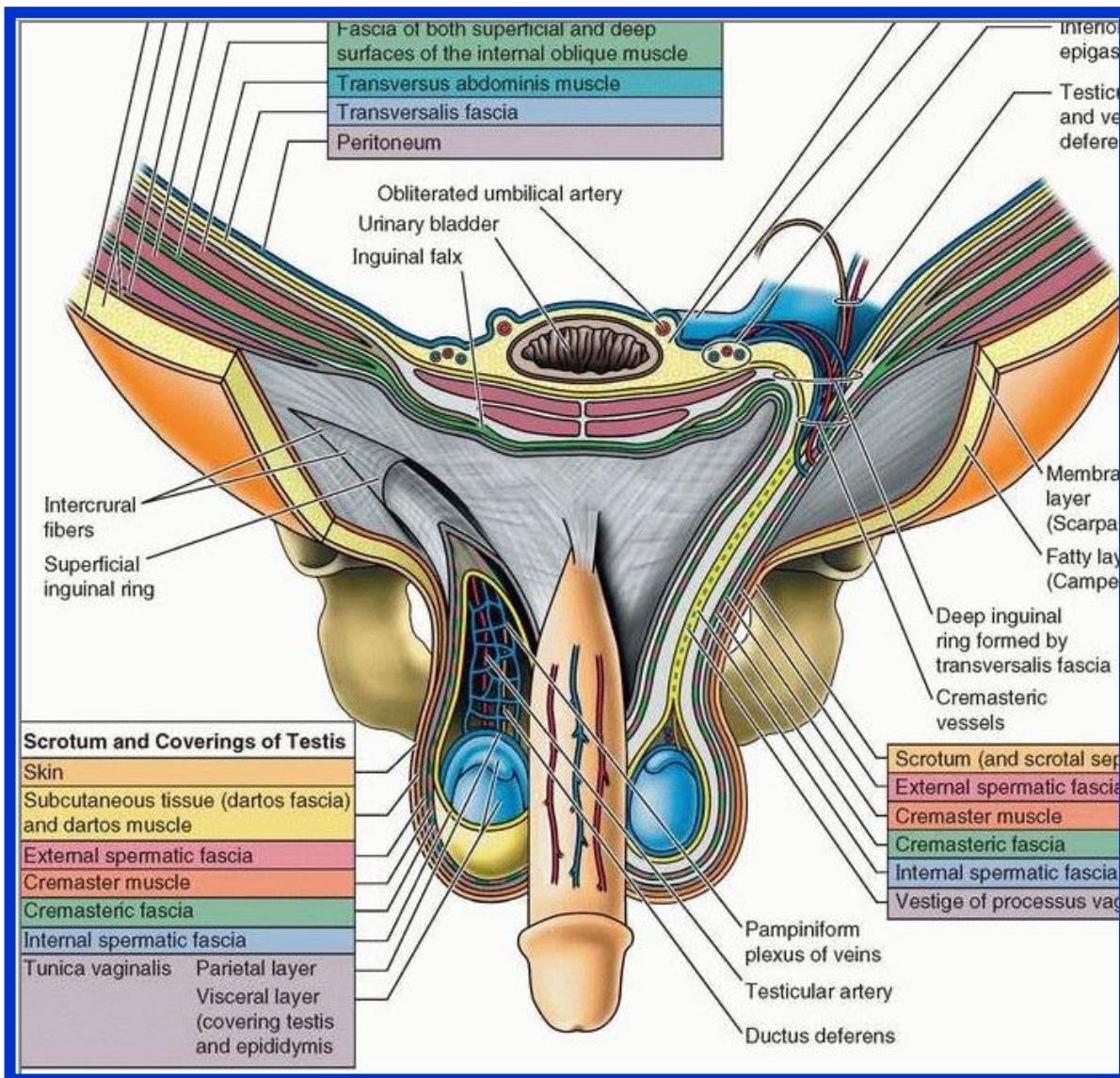
## Hydrocele of Spermatic Cord and/or Testis ????

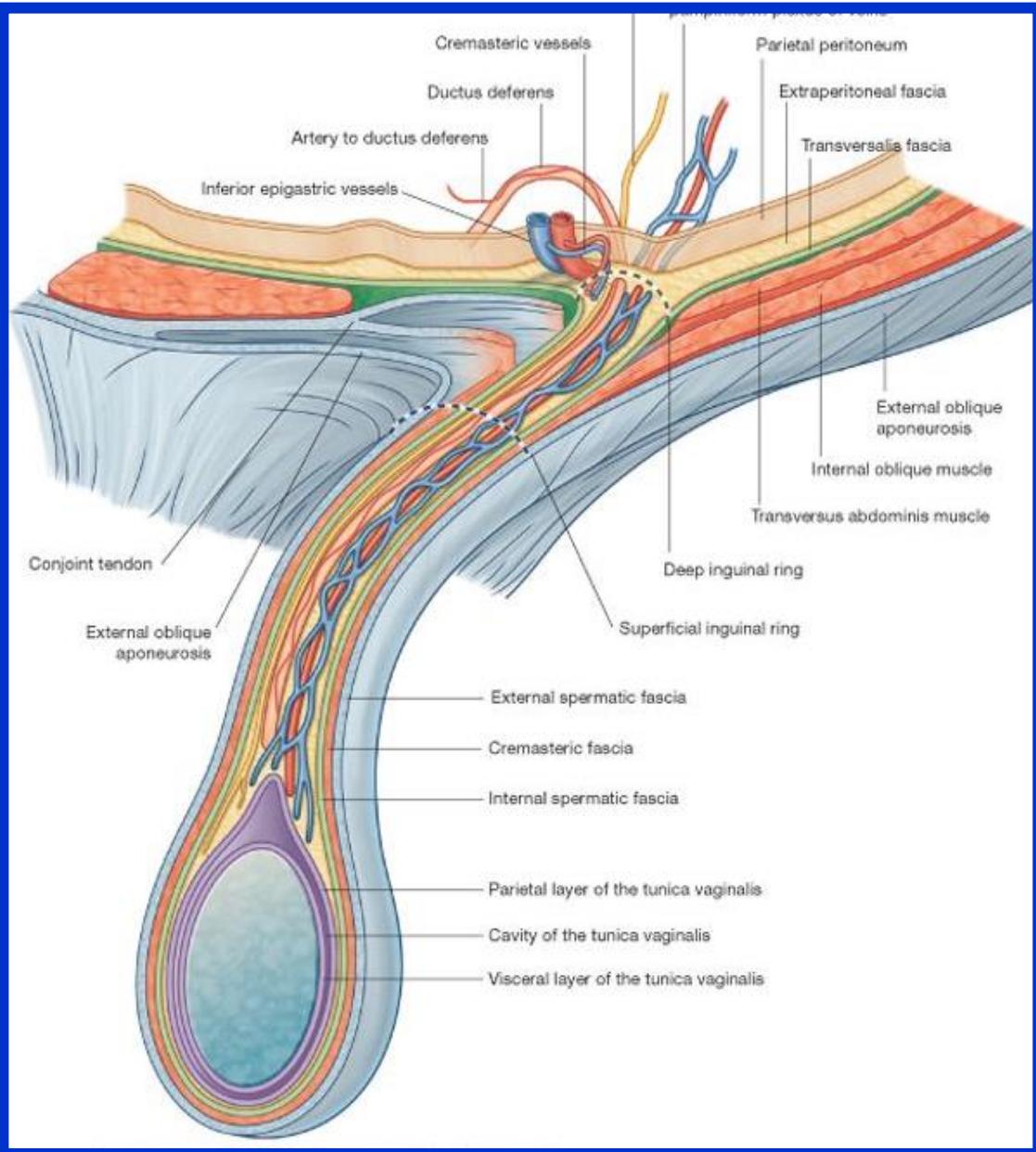
# Coverings of the Spermatic Cord (the Spermatic Fasciae)



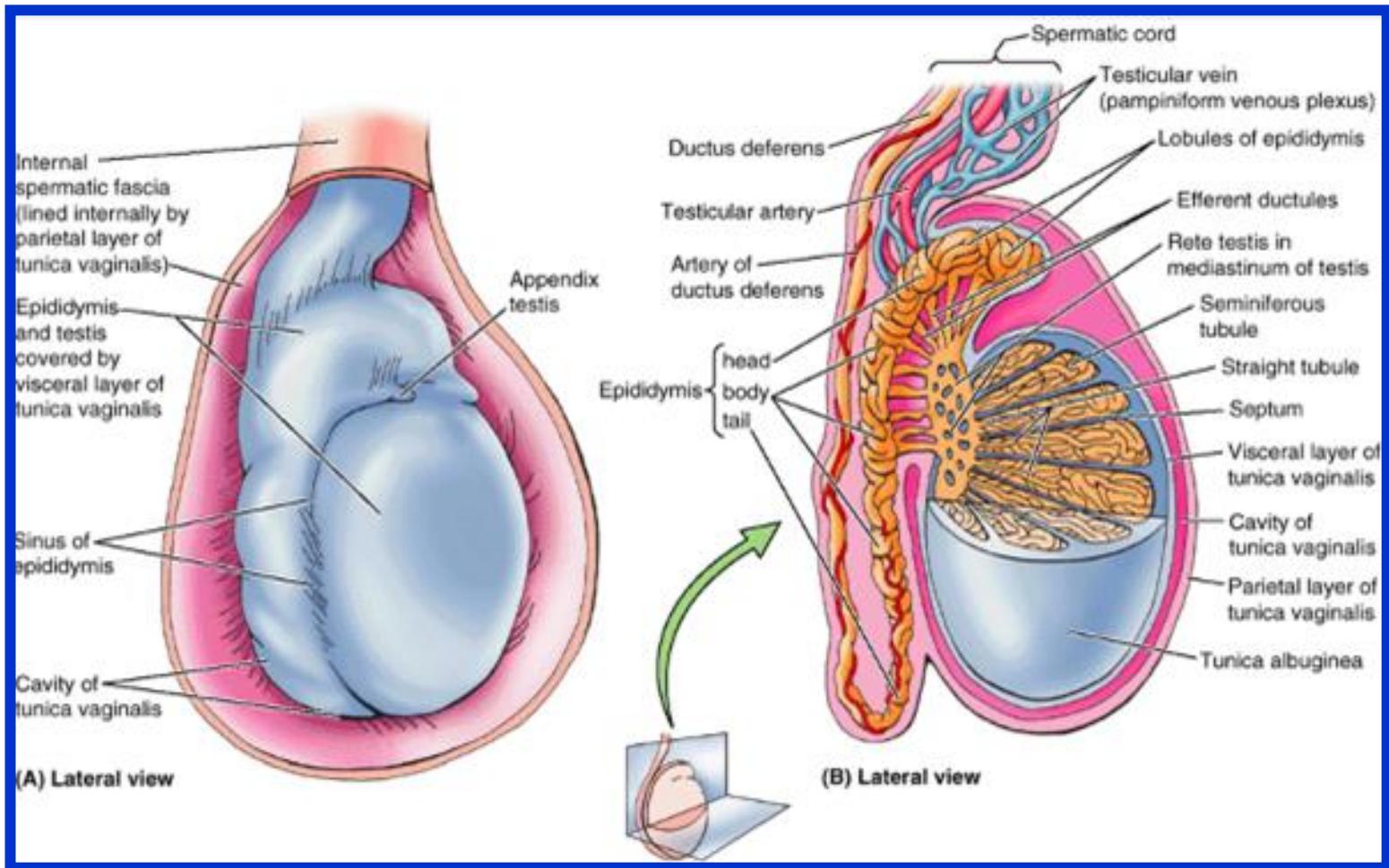
# Scrotum

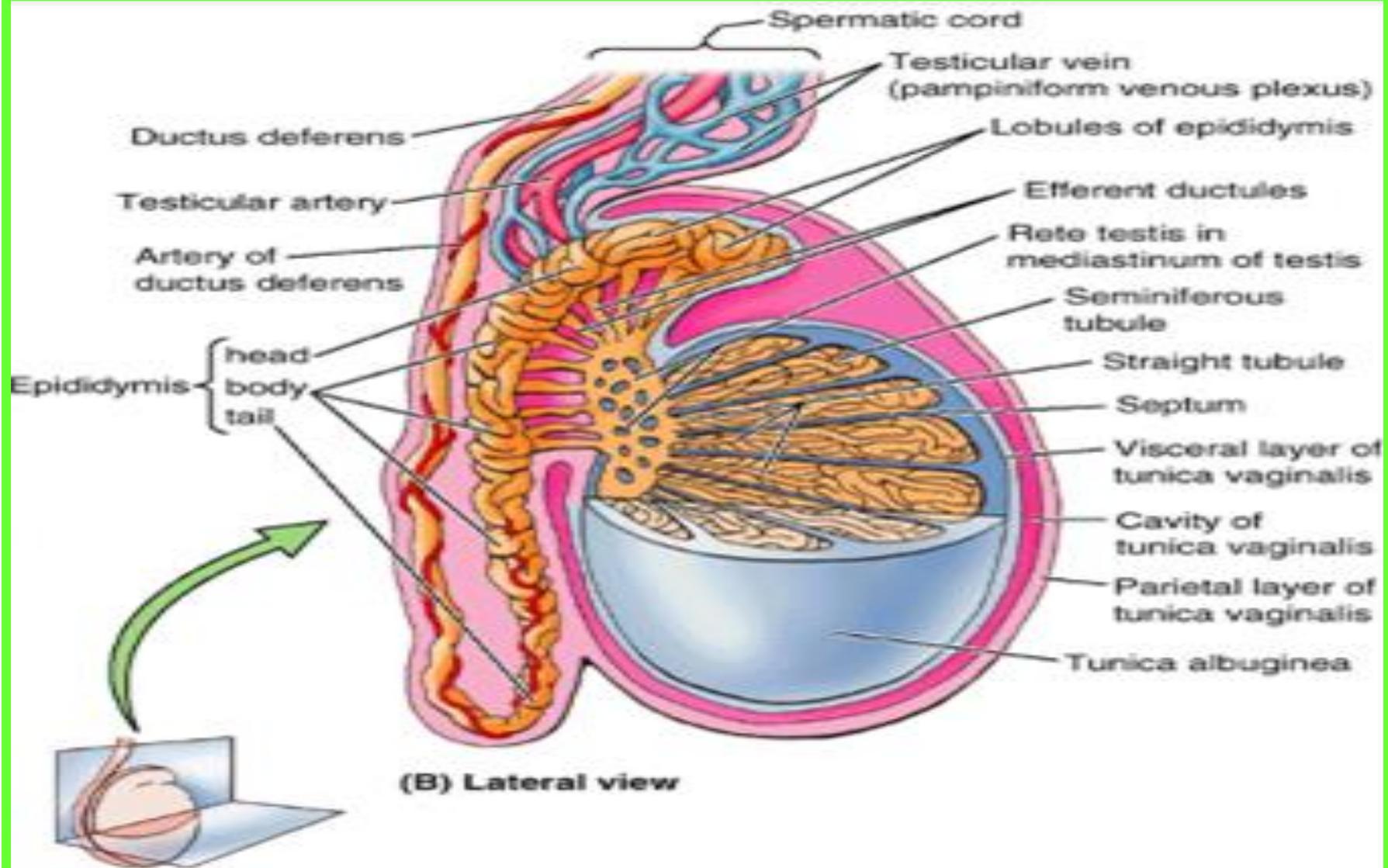




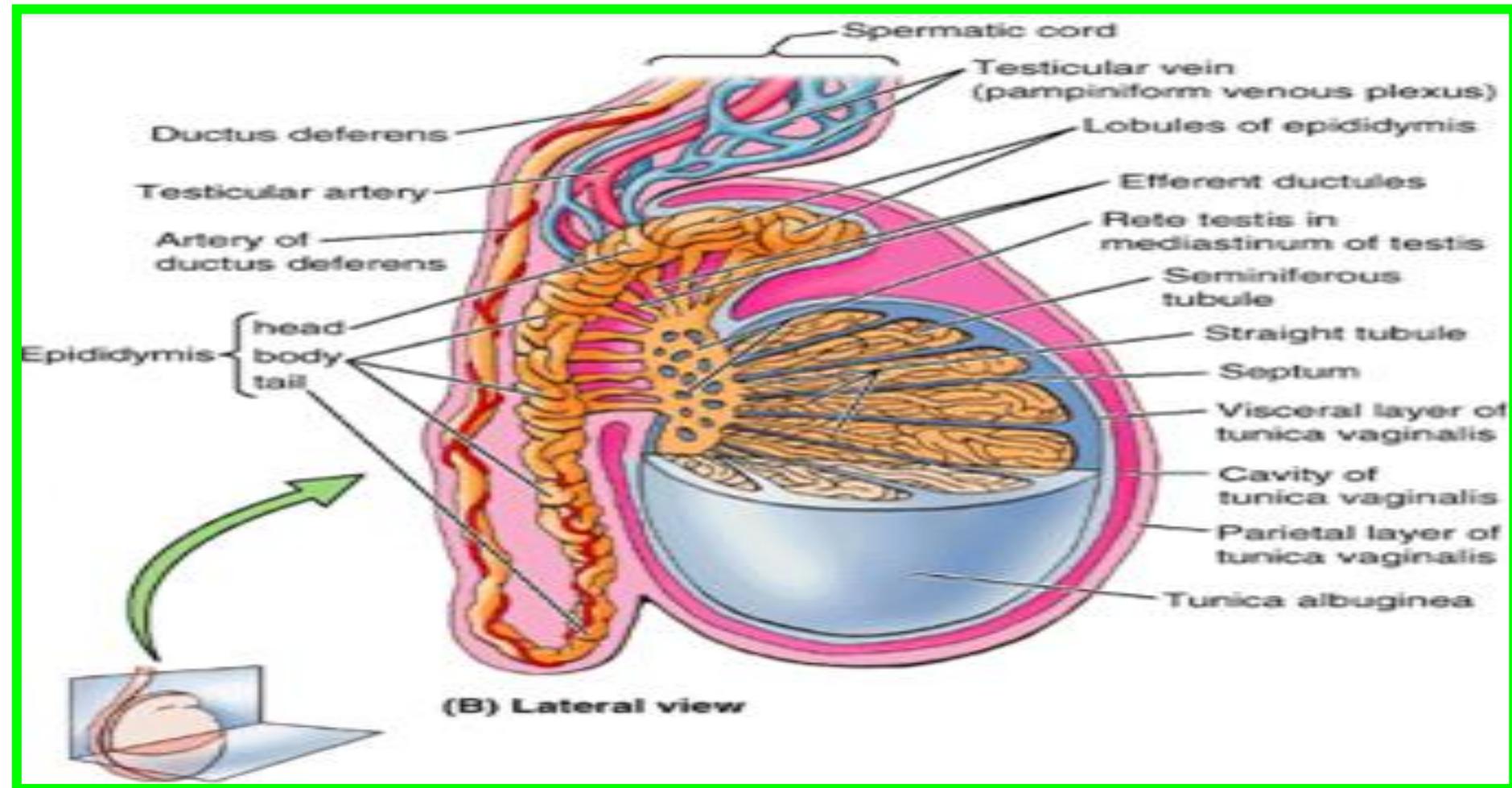


# Testis

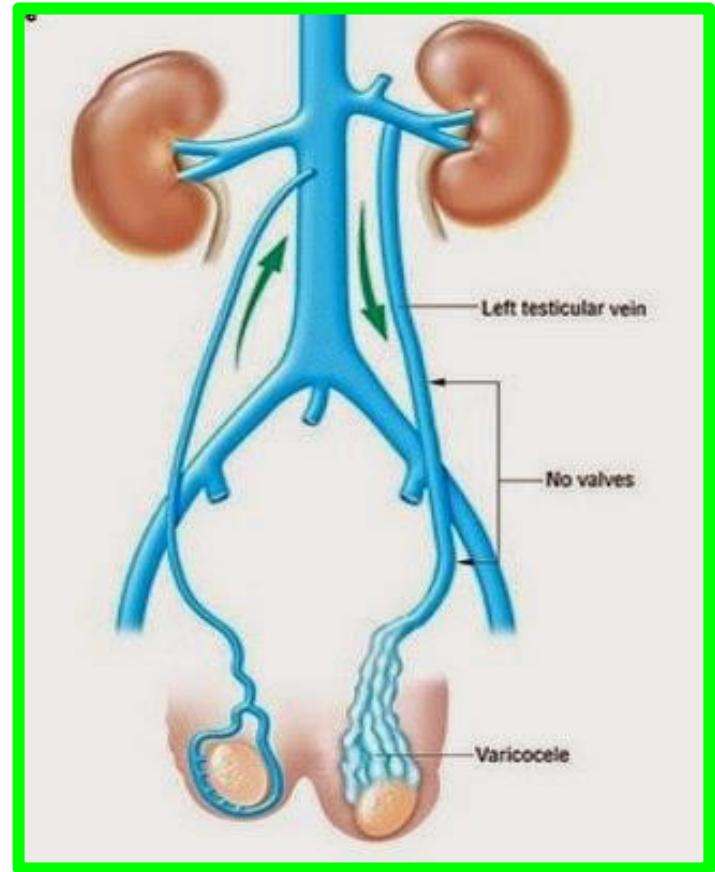
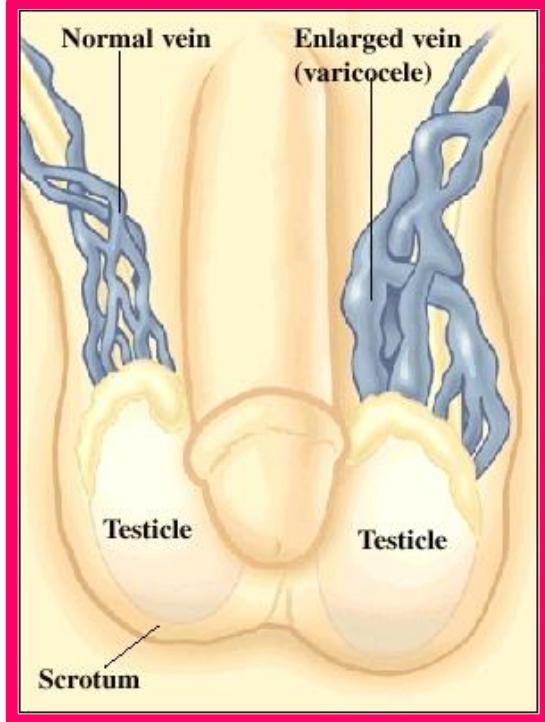




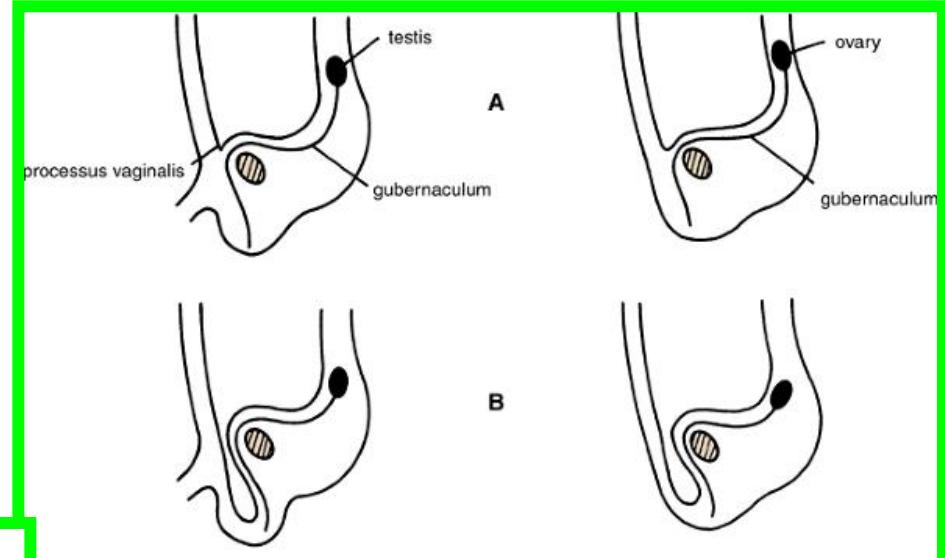
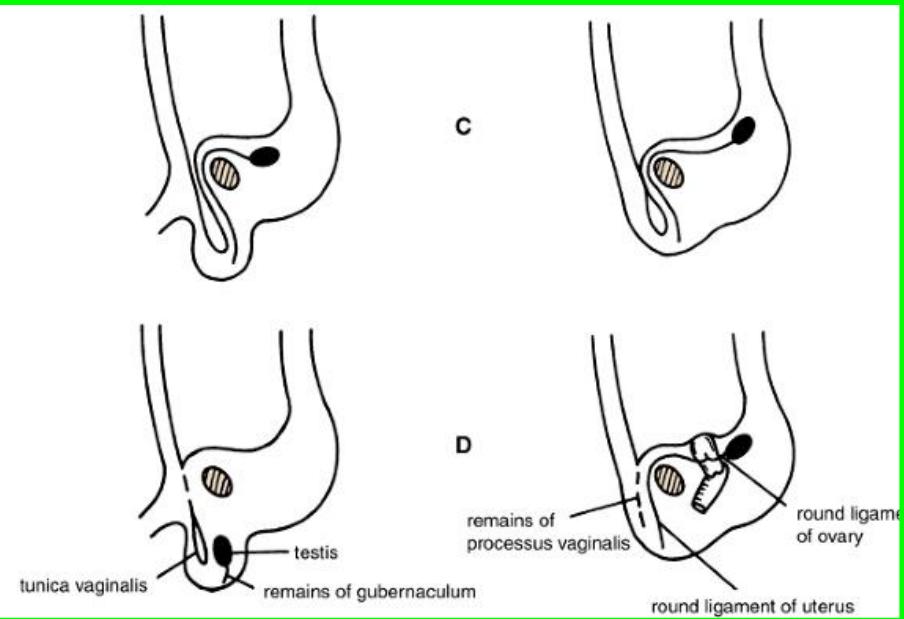
# Epididymis



# Blood Supply of the Testis and Epididymis



# Formation of the inguinal canals and descent of testes





Indirect inguinal hernia



Direct inguinal hernia

