

# ГРУДНАЯ И БРЮШНАЯ ЧАСТИ АОРТЫ

# Части аорты

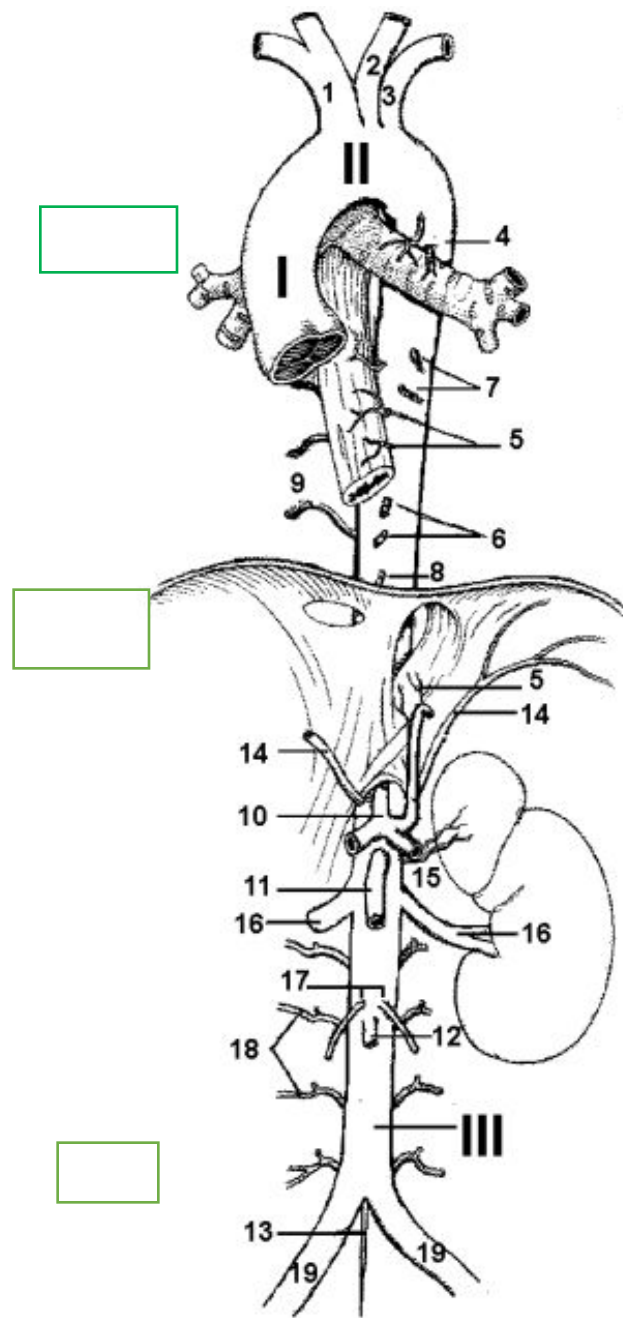


Рисунок I  
СХЕМА АОРТЫ И ЕЁ ВЕТВЕЙ

I. ВОСХОДЯЩАЯ ЧАСТЬ АОРТЫ  
Венечные артерии (на рисунке не отмечены).

II. ДУГА АОРТЫ

1. Плечеголовной ствол.
2. Левая общая сонная артерия.
3. Левая подключичная артерия.

III. НИСХОДЯЩАЯ ЧАСТЬ АОРТЫ

грудная часть аорты

4. Бронхиальные ветви.
5. Пищеводные ветви.
6. Перикардиальные ветви.
7. Медиастинальные ветви.
8. Верхние диафрагмальные артерии.
9. Задние межрёберные артерии.

брюшная часть аорты

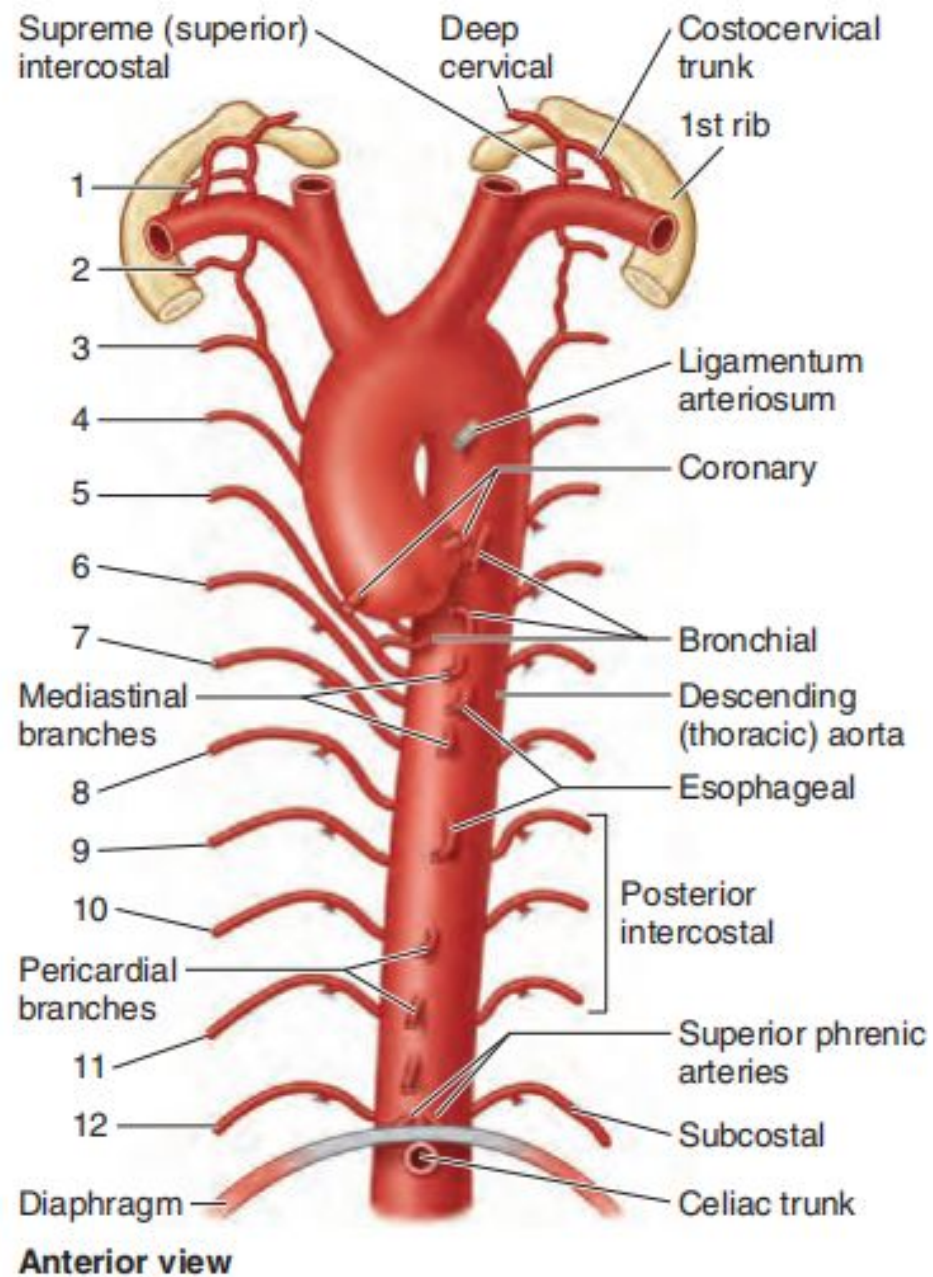
непарные ветви

10. Чревный ствол.
11. Верхняя брыжеечная артерия.
12. Нижняя брыжеечная артерия.
13. Срединная крестцовая артерия.

парные ветви

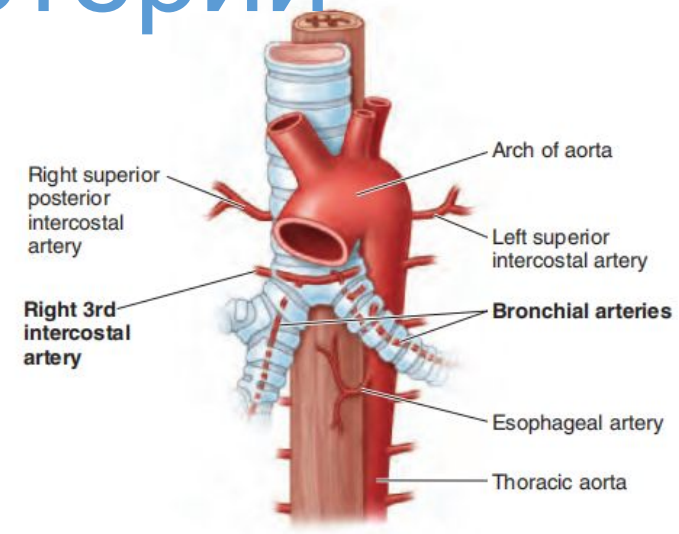
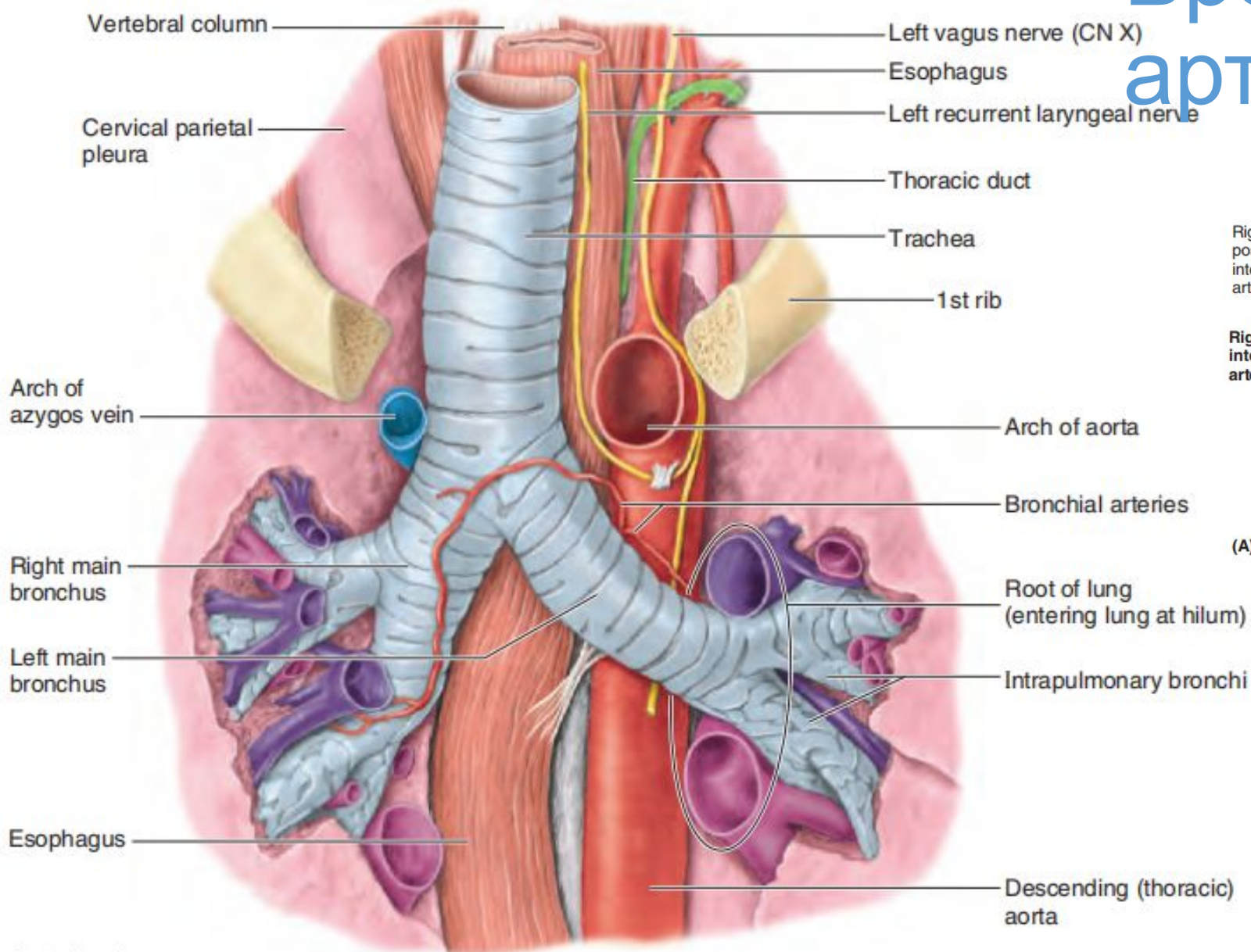
14. Нижние диафрагмальные артерии.
15. Средние надпочечниковые артерии.
16. Почечные артерии.
17. Яичковые/яичниковые артерии.
18. Поясничные артерии.
19. Общие подвздошные артерии.

# Ветви грудной части нисходящей аорты





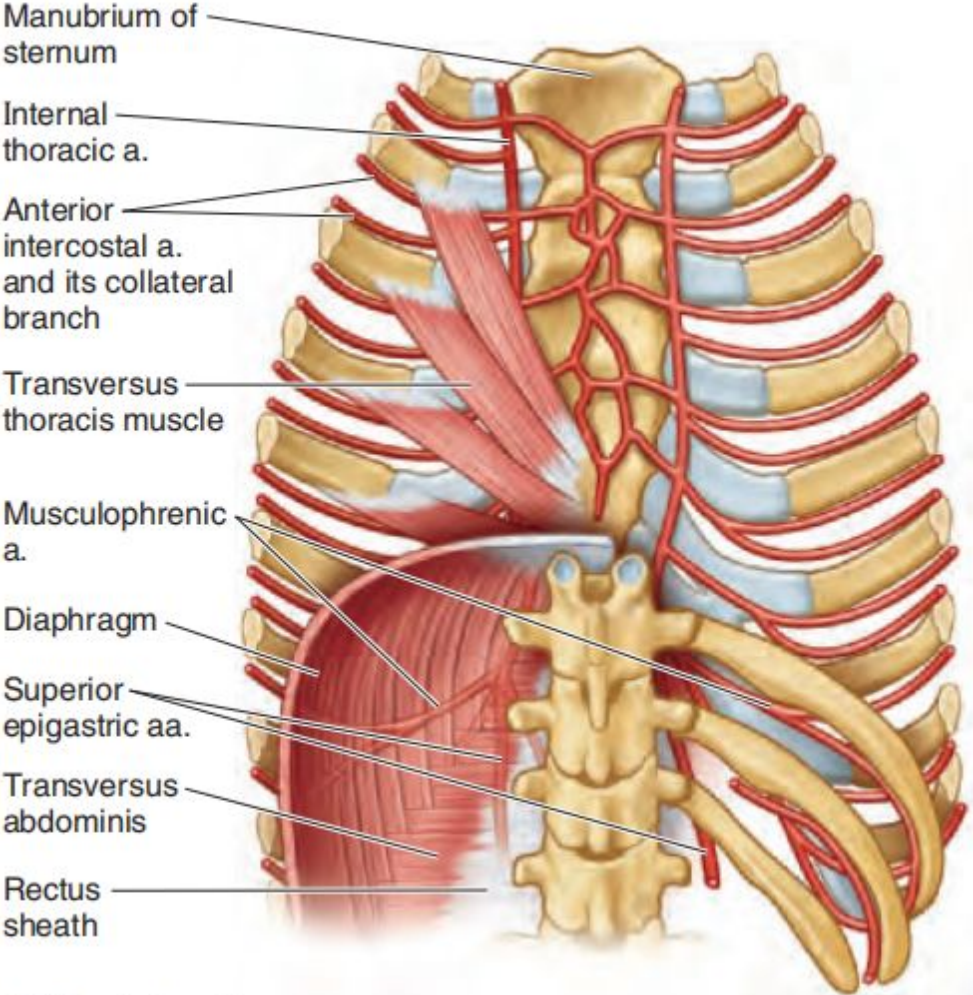
# Бронхиальные артерии





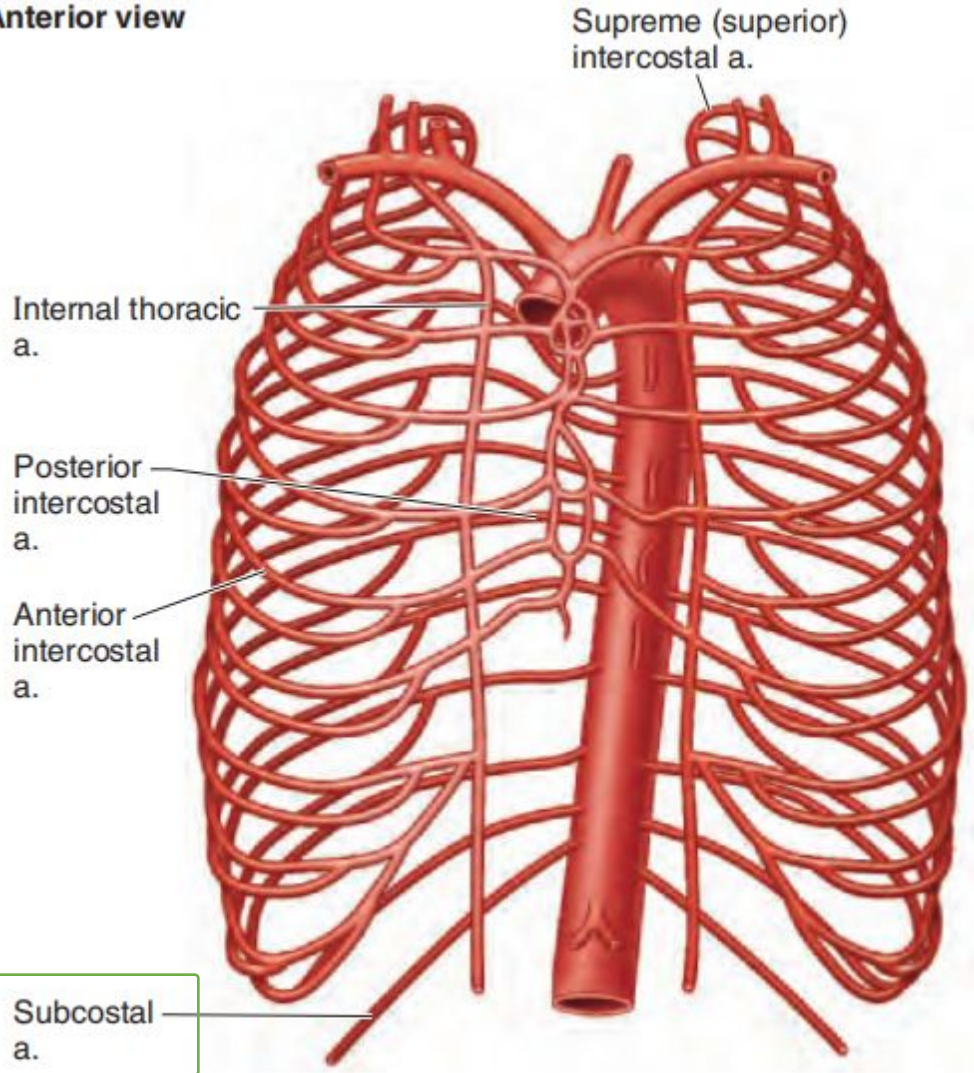
# Задние межреберные артерии

(A) Anterosuperior view



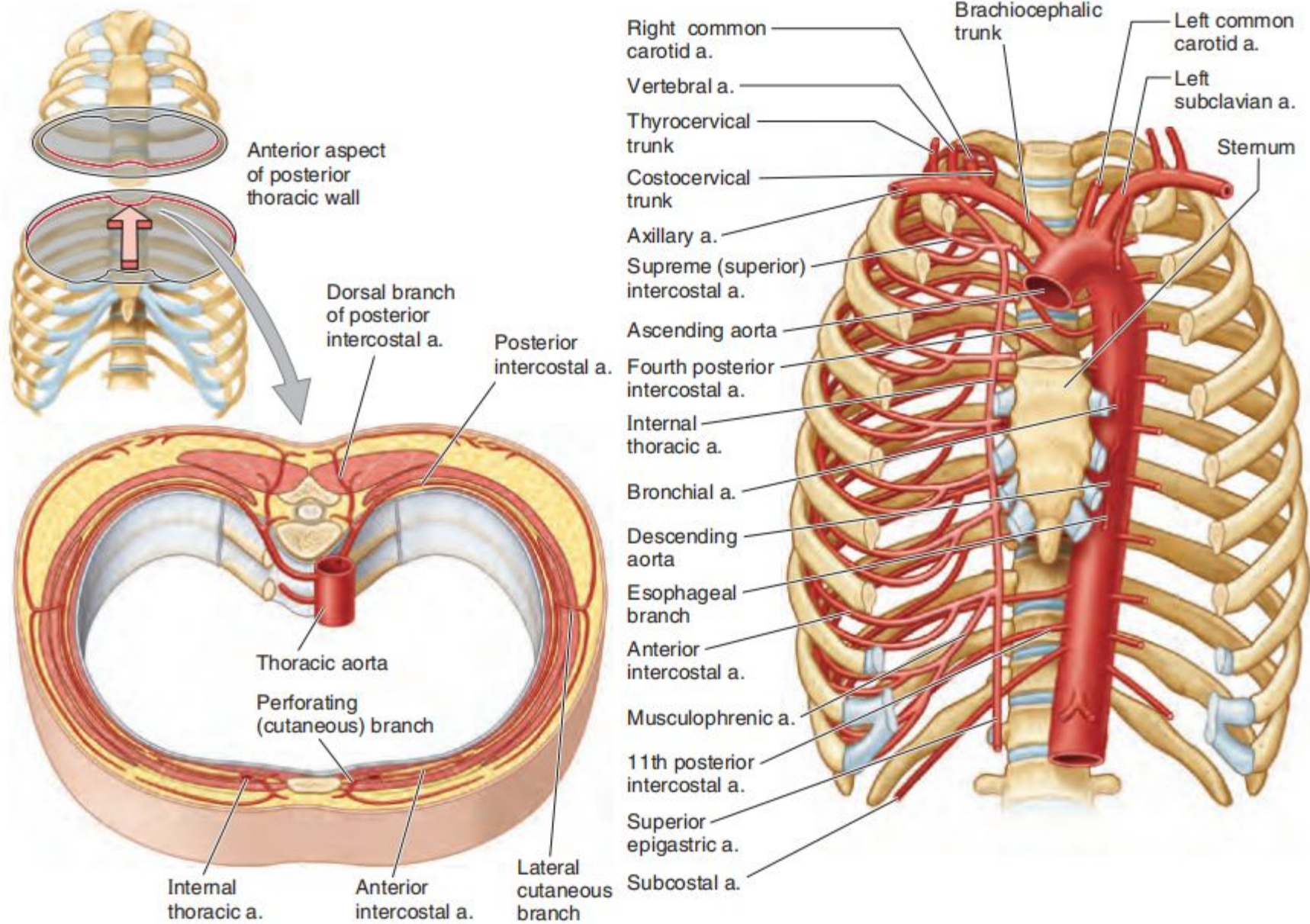
(C) Posterior view

(B) Anterior view



(D) Anterior view



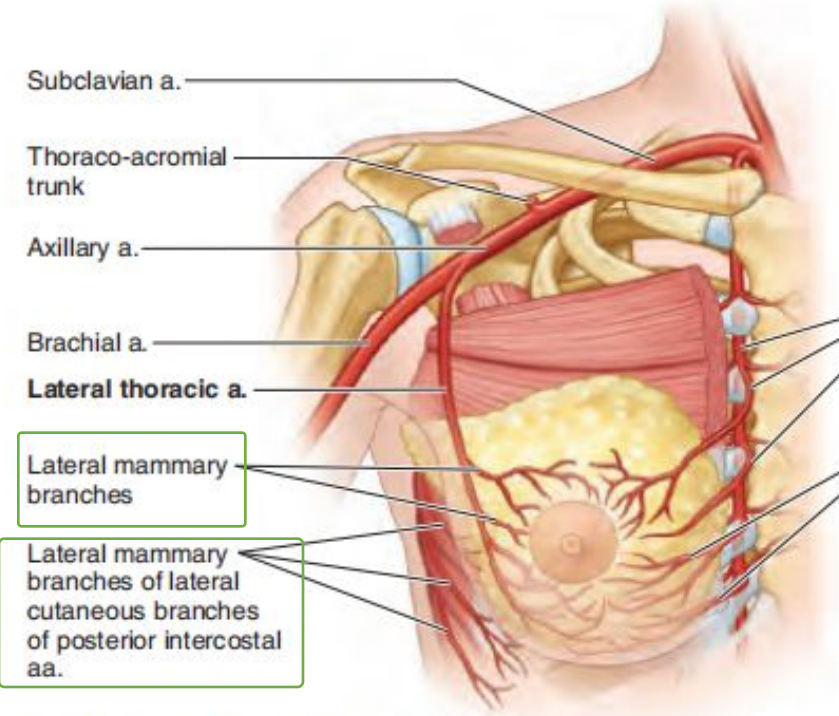


**(A) Anterosuperior view**

**(B) Anterior view**

# Артерии МОЛОЧНОЙ ЖЕЛЕЗЫ

4-6 м/р  
пром.



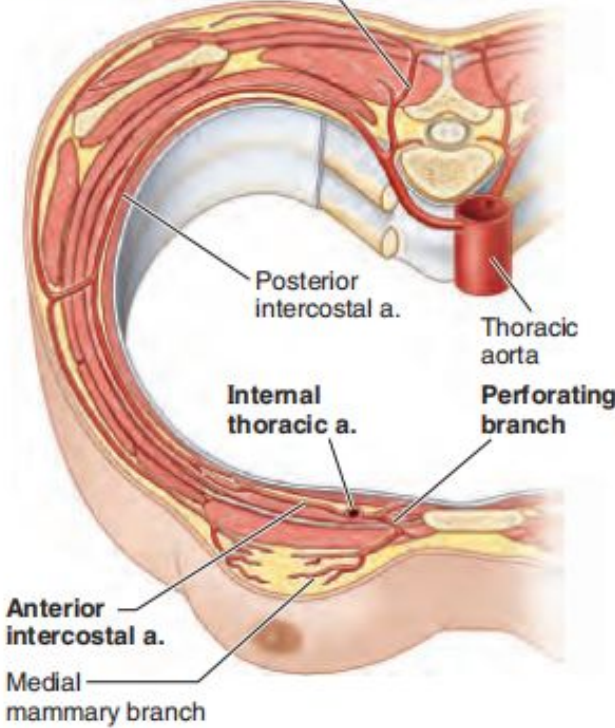
(A) Arteries of mammary gland  
 Anterior (and slightly oblique) view

Internal thoracic a. and its perforating branches

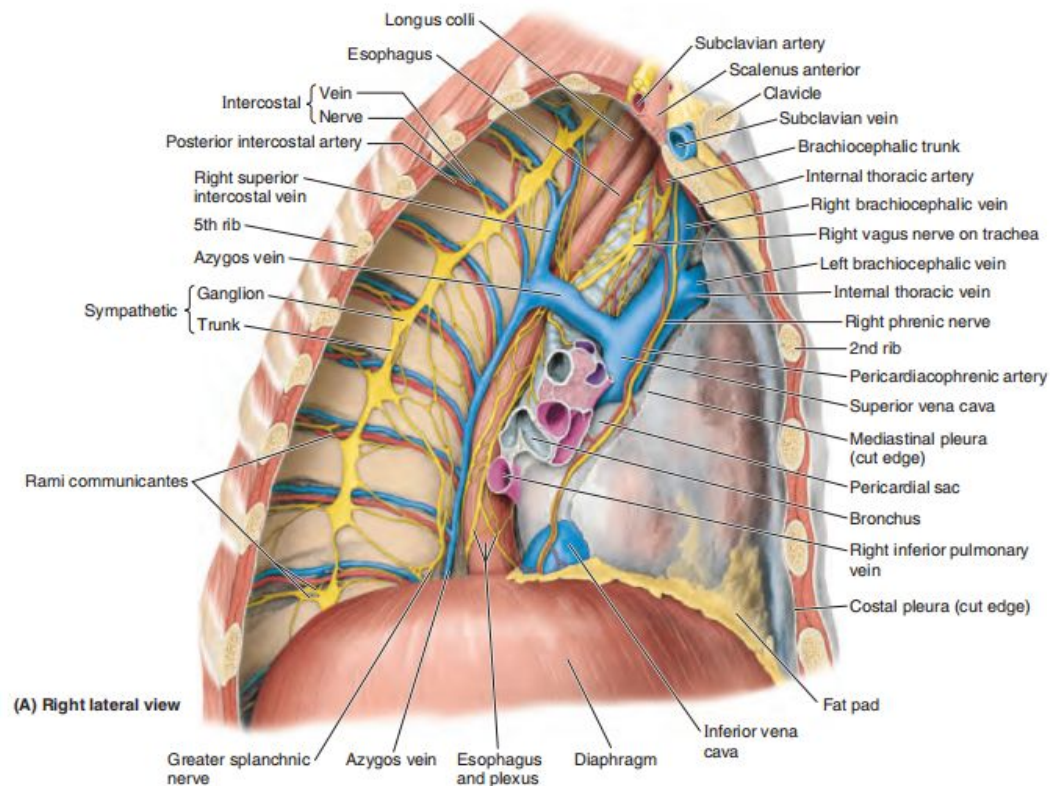
Medial mammary branches

Dorsal branch of posterior intercostal a.

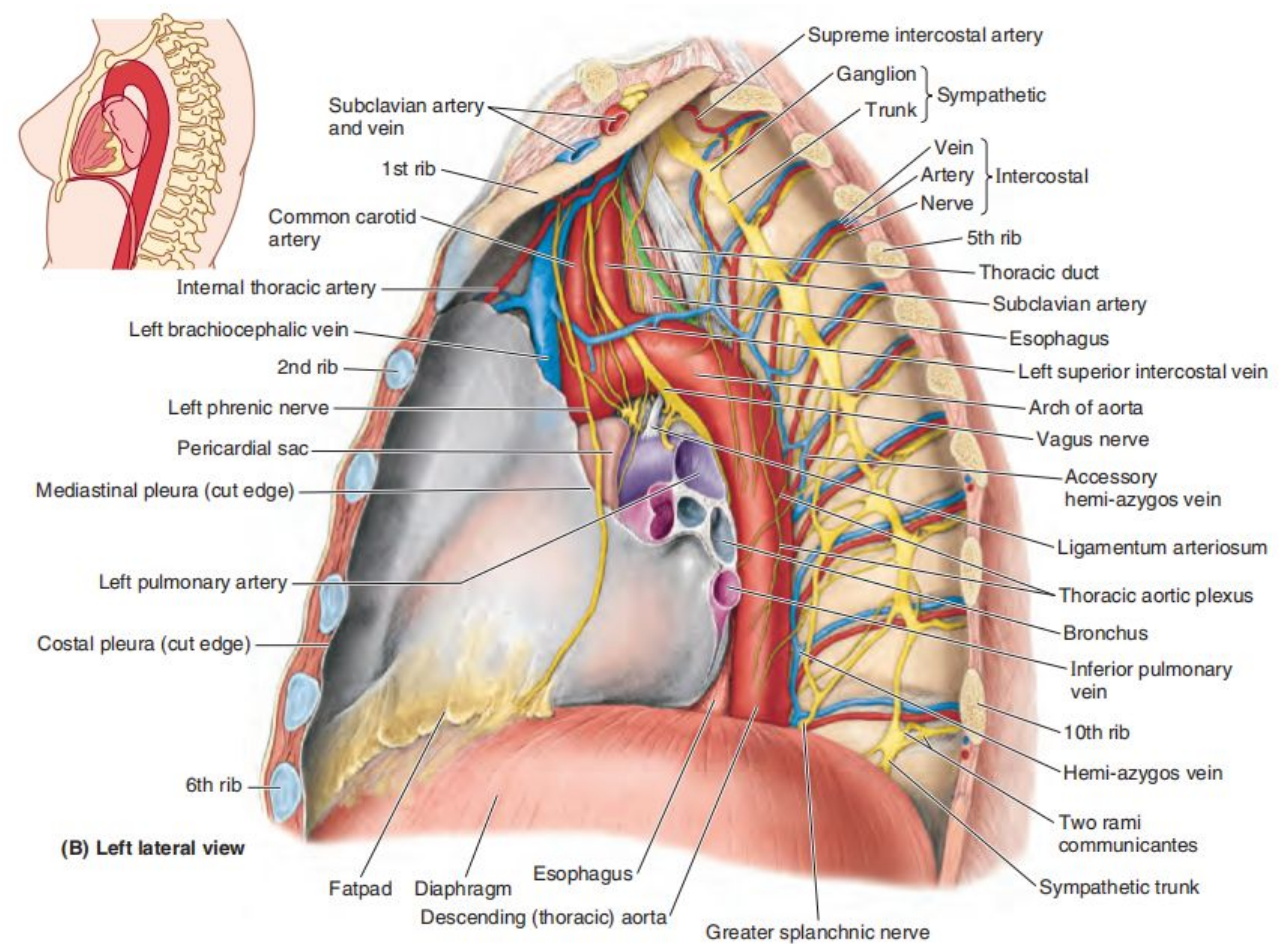
3-5 м/р  
 пром.





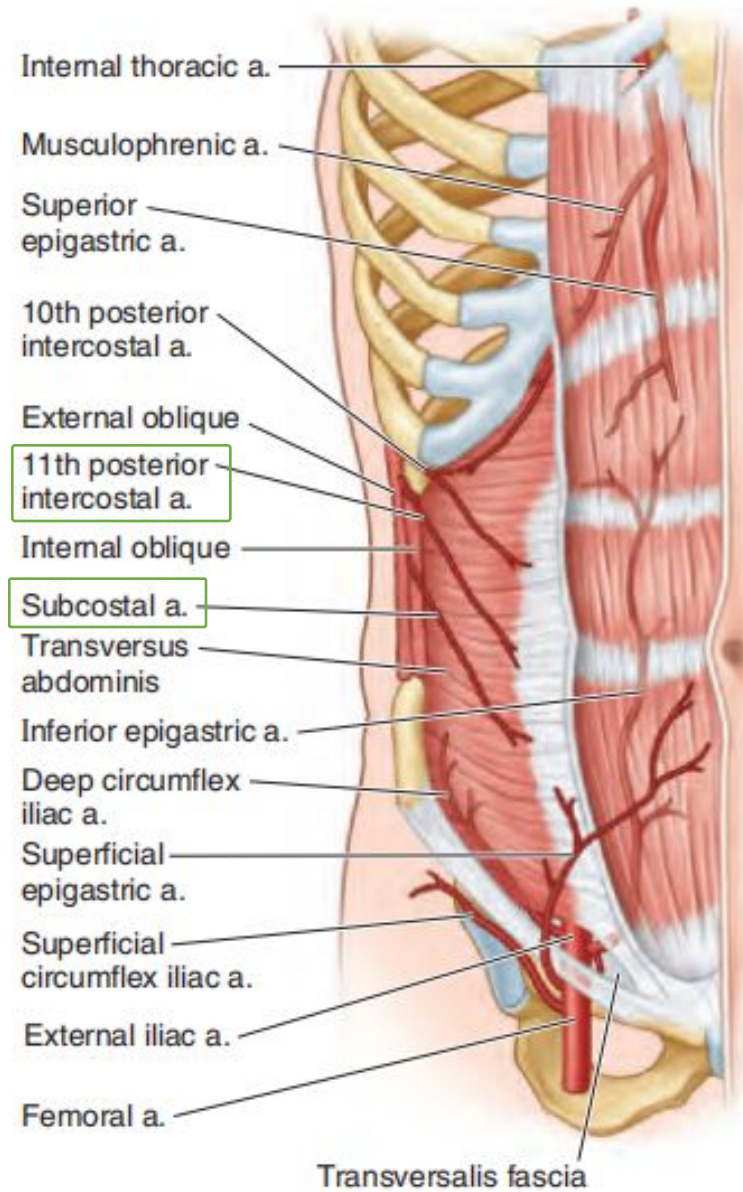


(A) Right lateral view



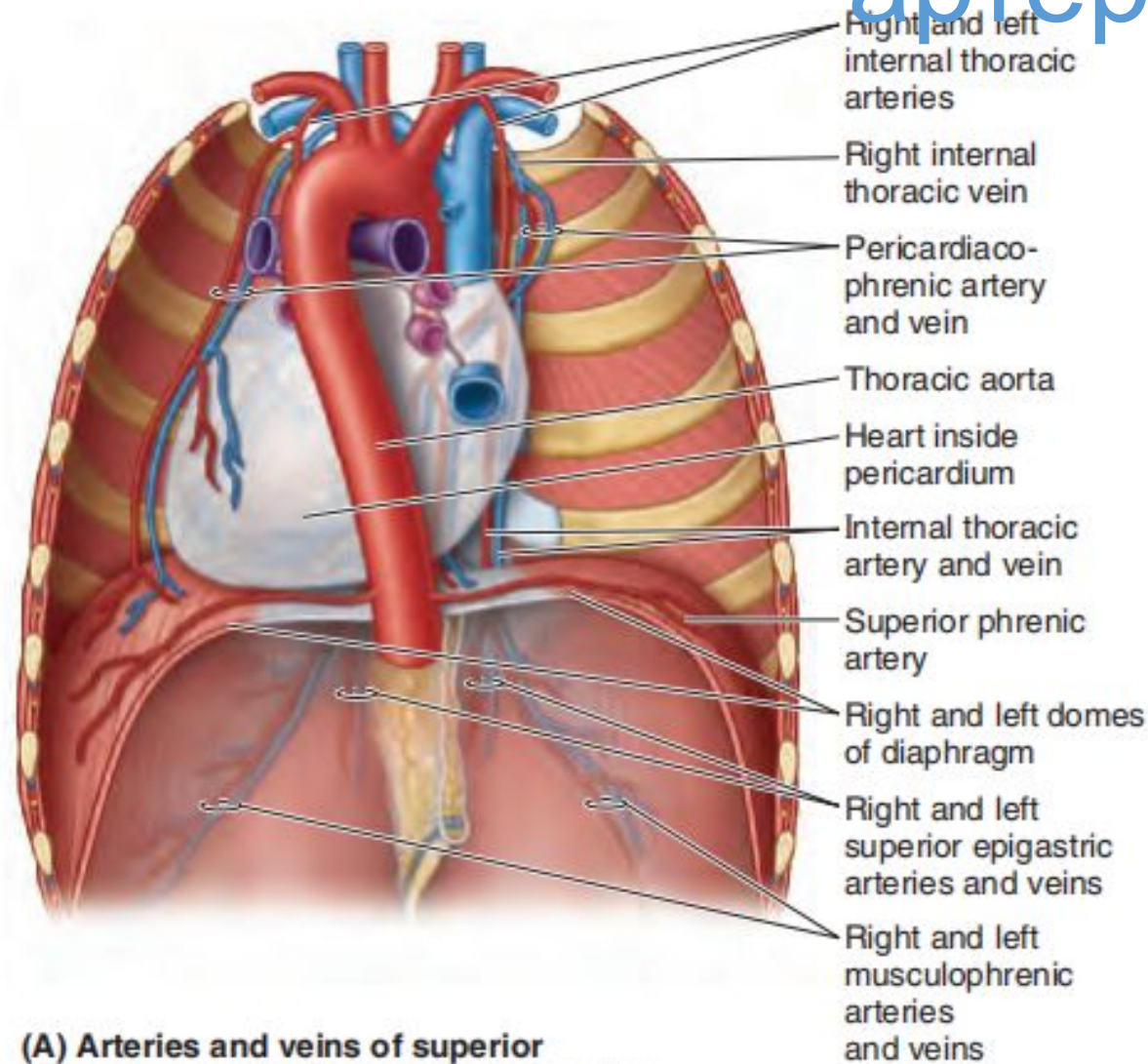
(B) Left lateral view



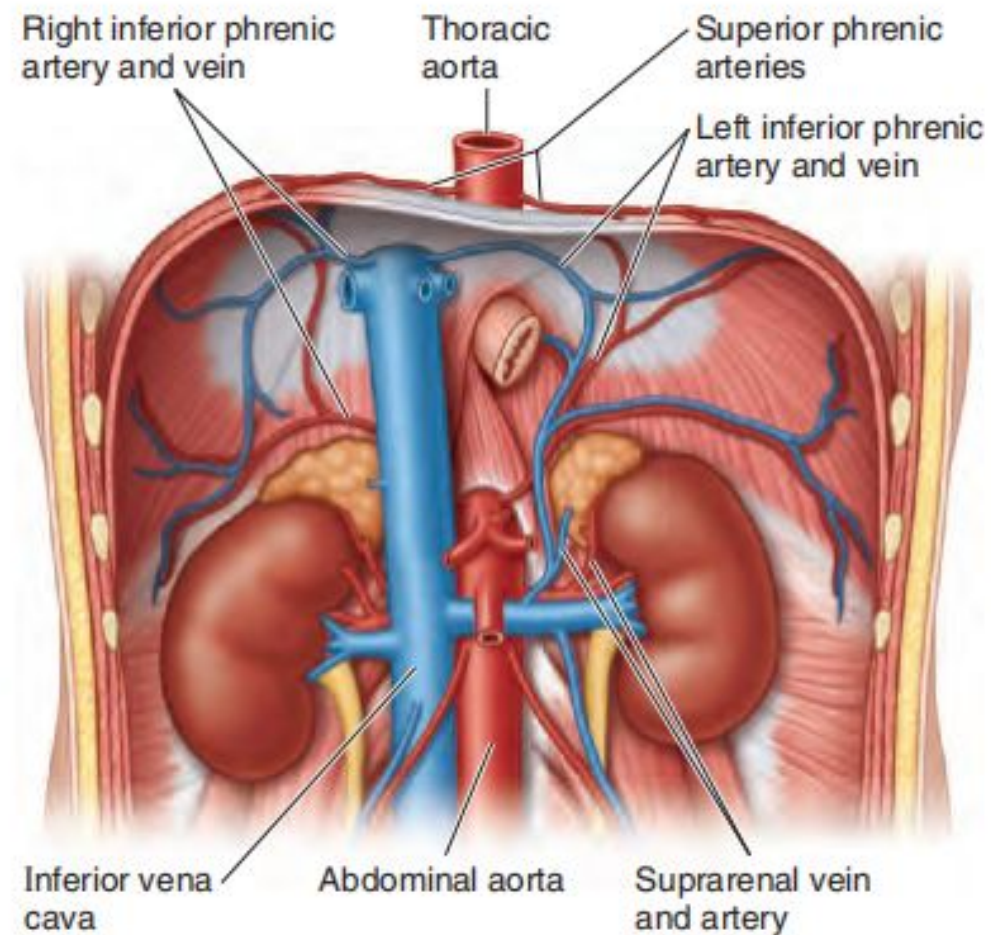


**FIGURE 2.12.** Arteries of anterolateral abdominal wall.

# Диафрагмальные артерии



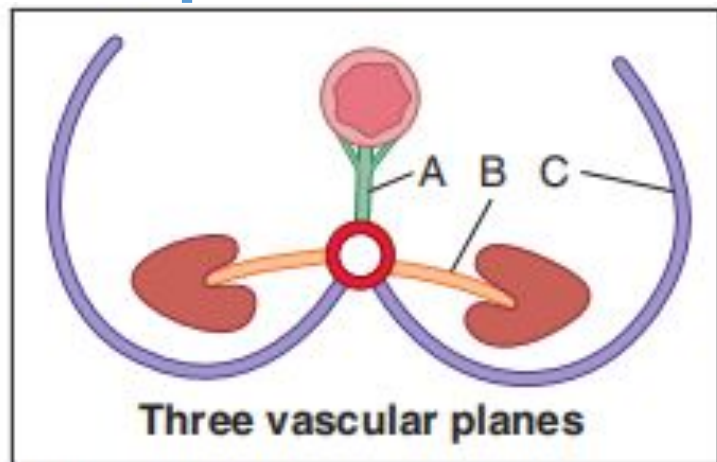
**(A) Arteries and veins of superior surface of diaphragm, posterior view**



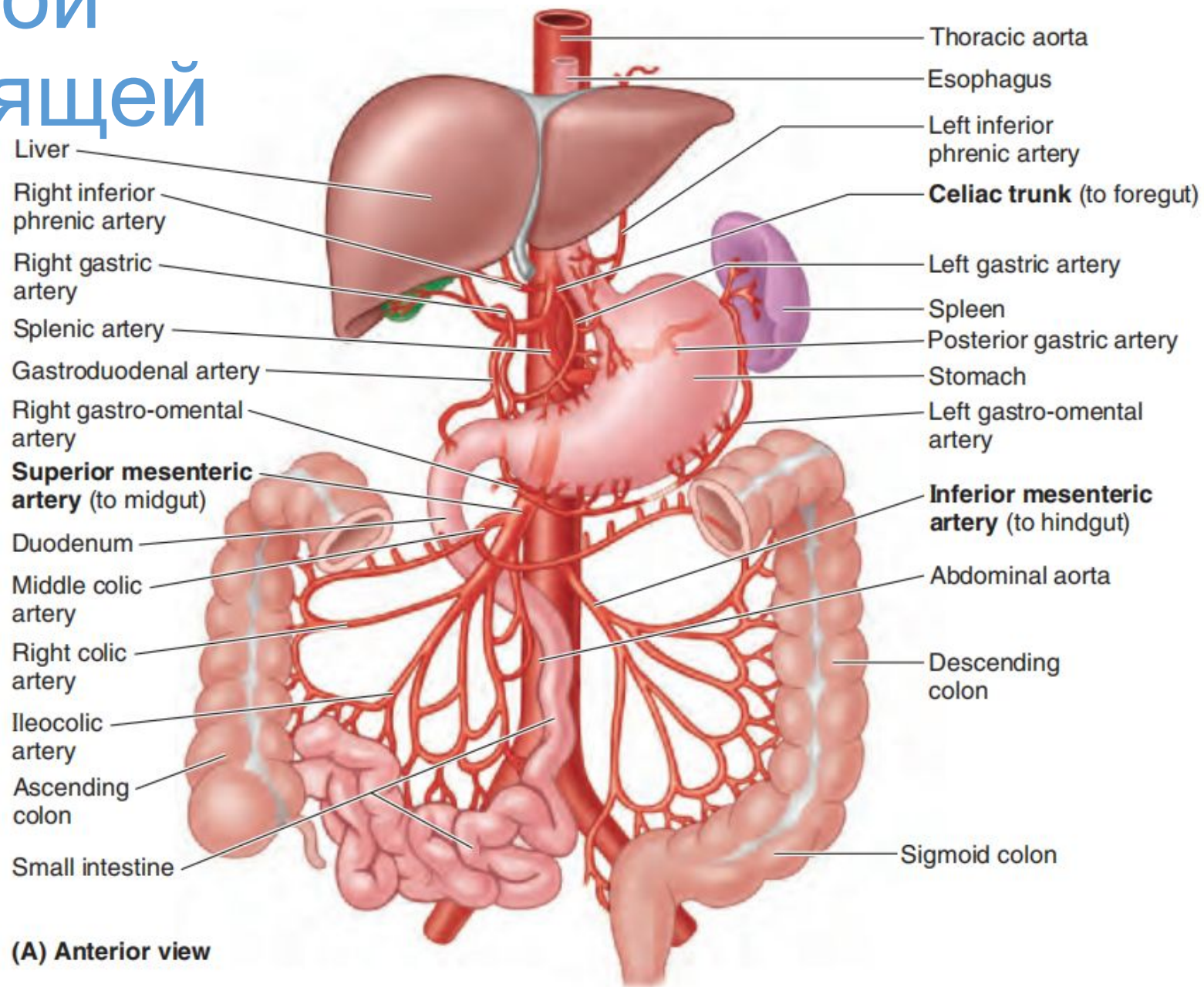
**(B) Arteries and veins of inferior surface of diaphragm, anterior view**



# Ветви брюшной части нисходящей аорты

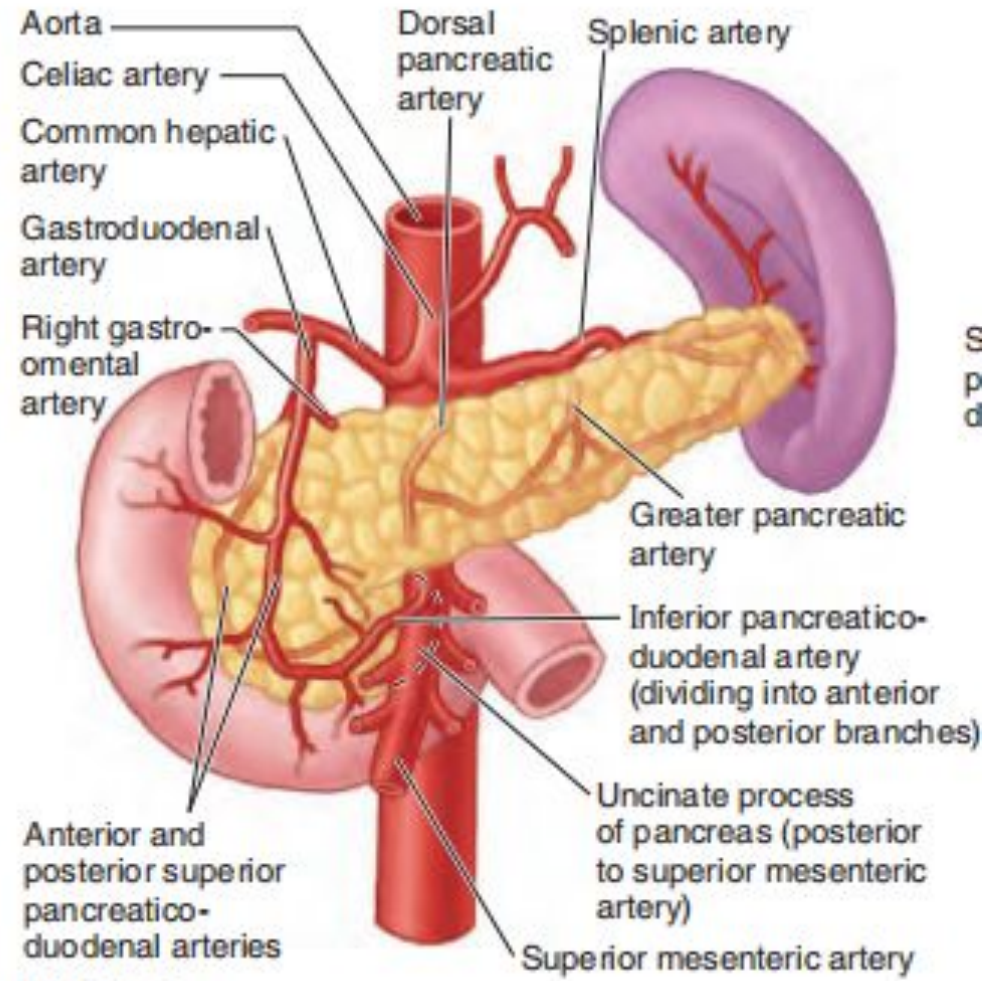
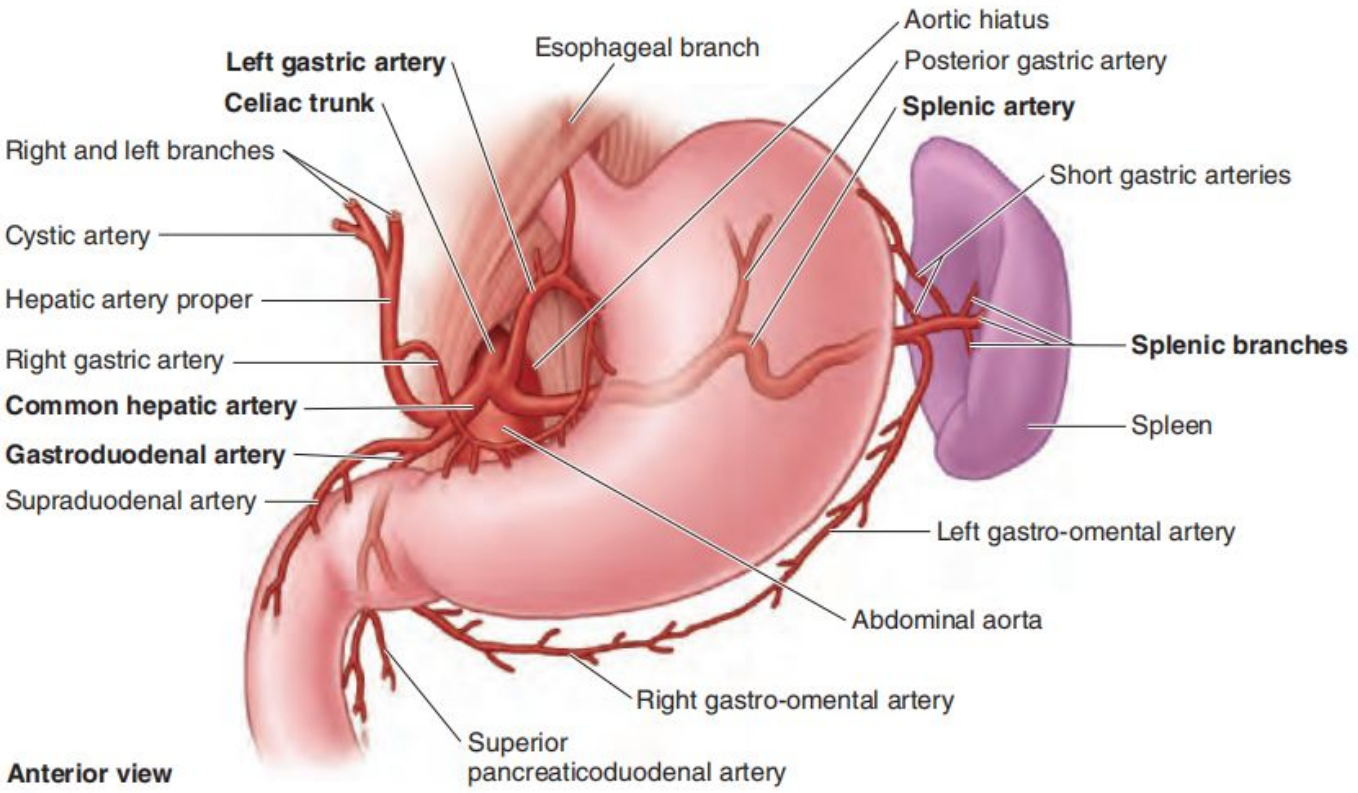


Superior view



(A) Anterior view

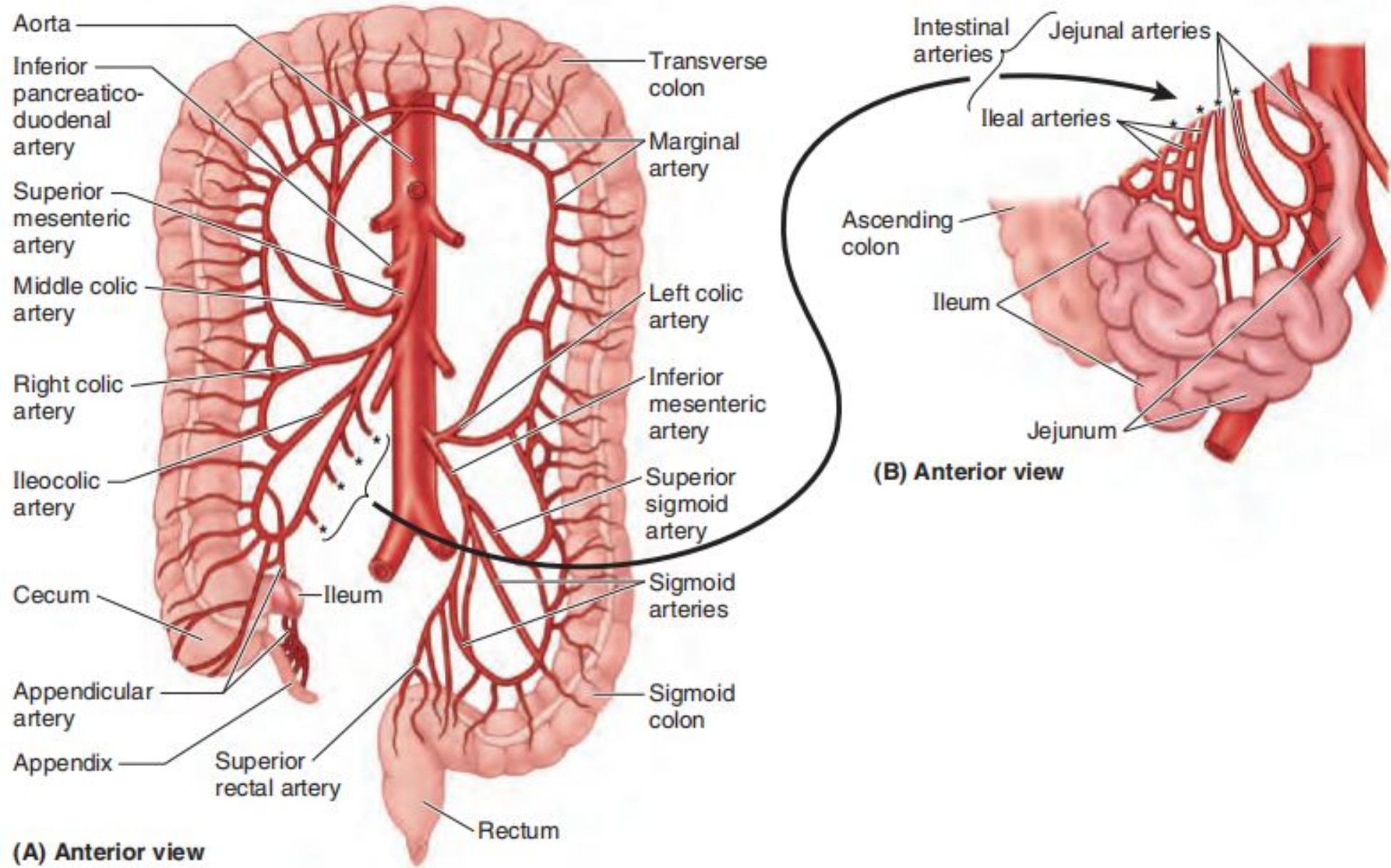
# ЧреВНЫЙ СТВОЛ



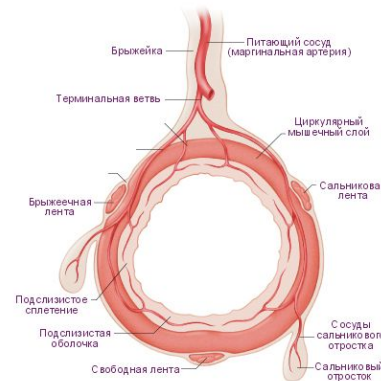
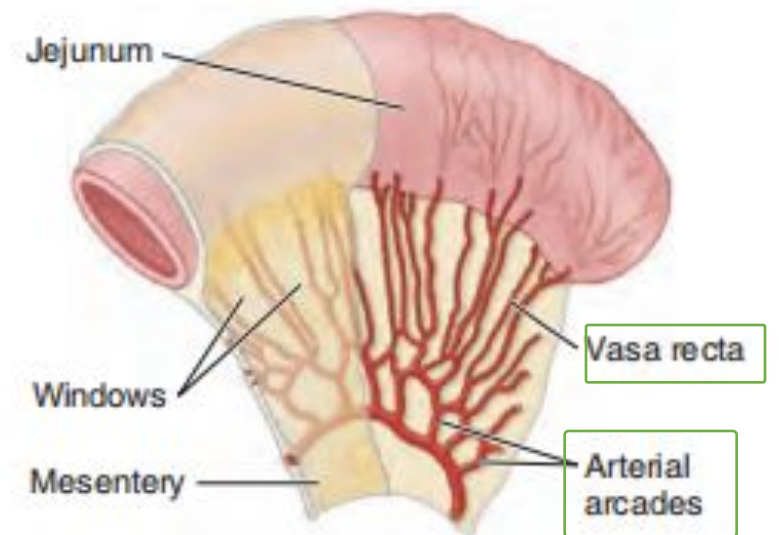
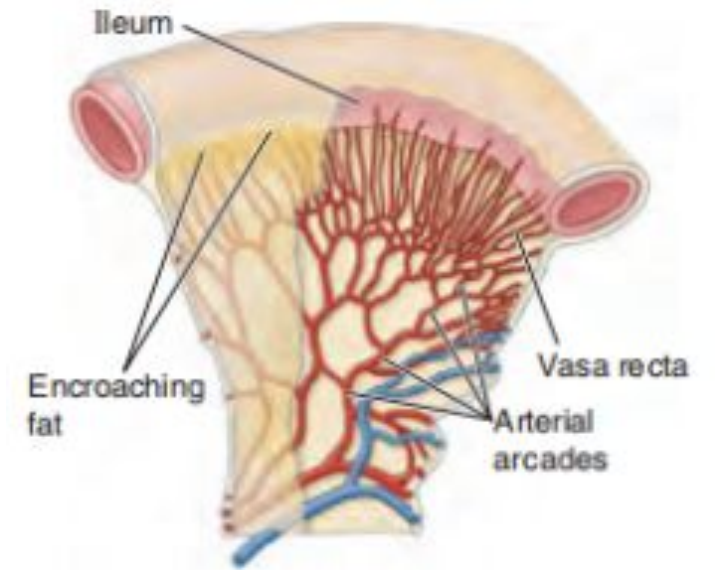
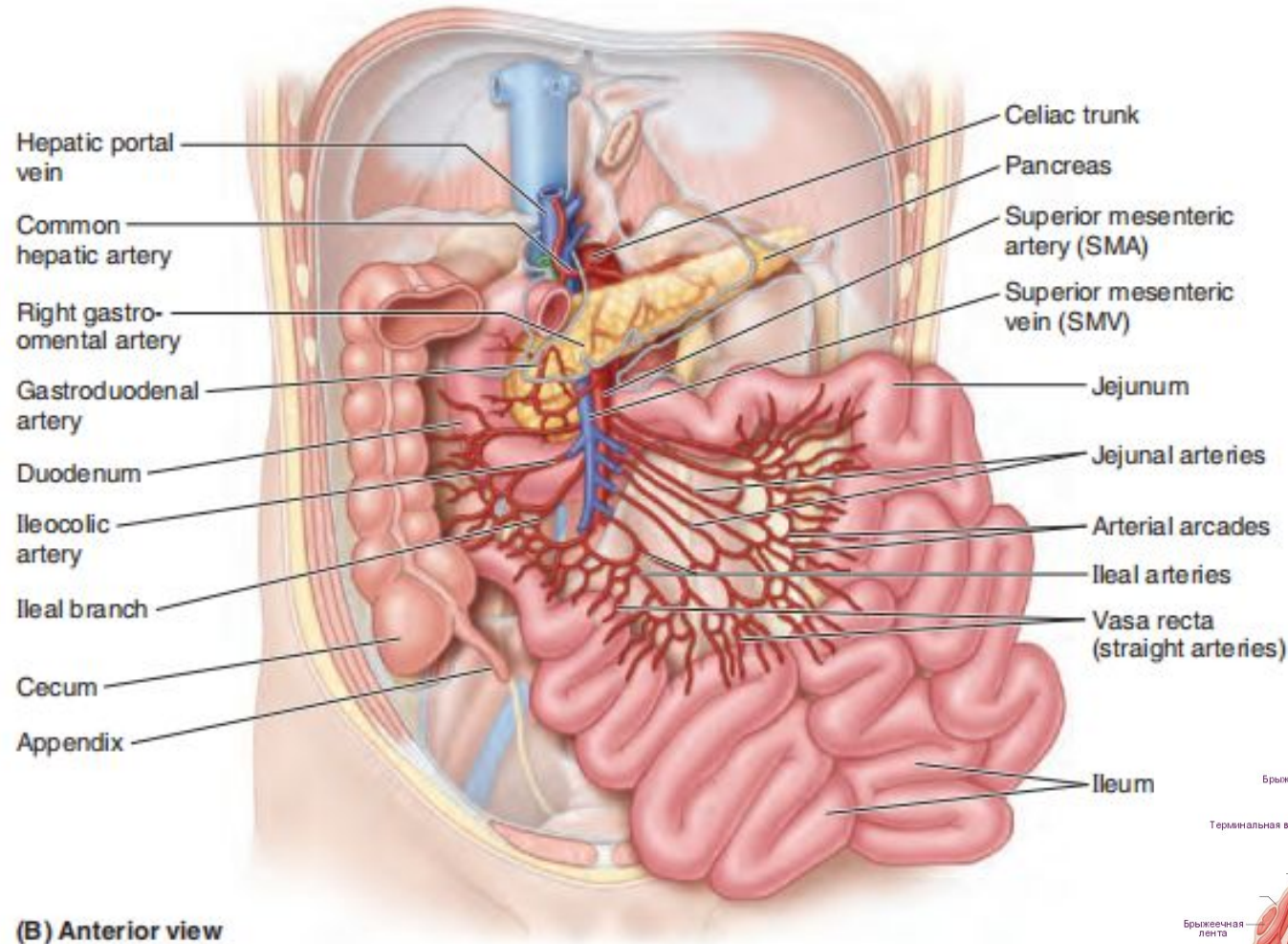
S  
P  
A



# Верхняя и нижняя брыжеечные артерии



# Кровоснабжение кишечника









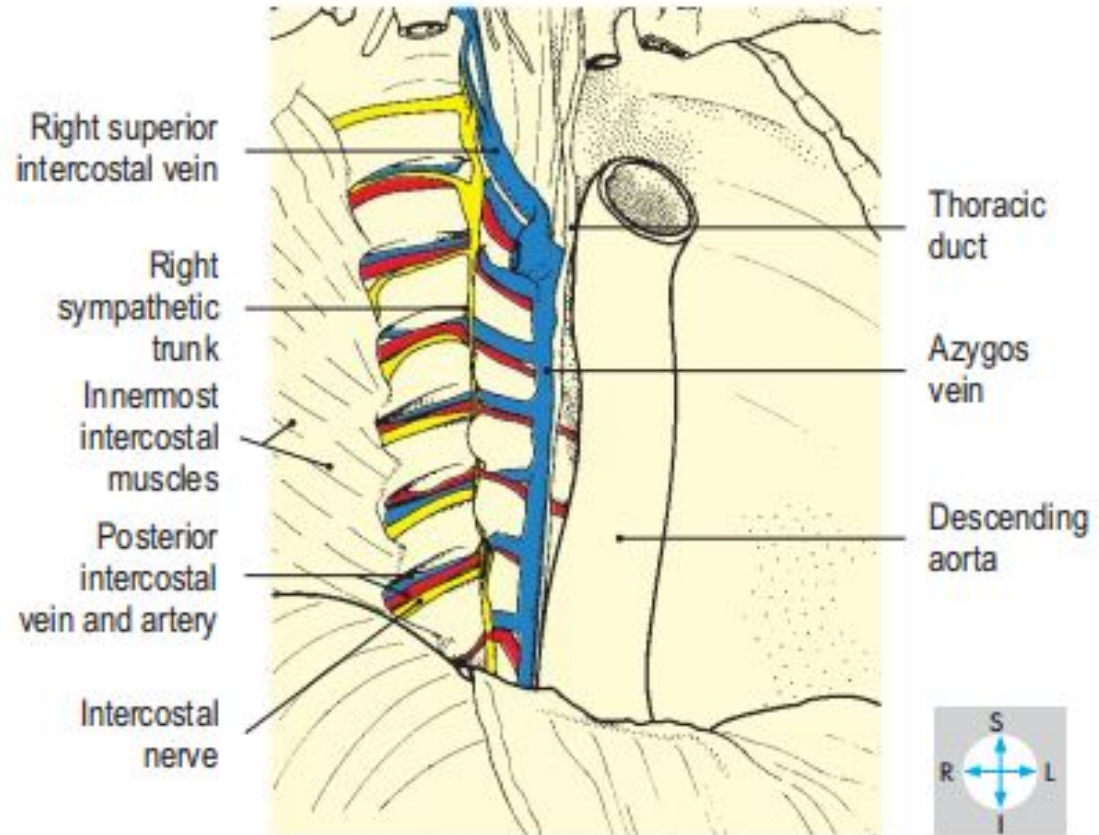
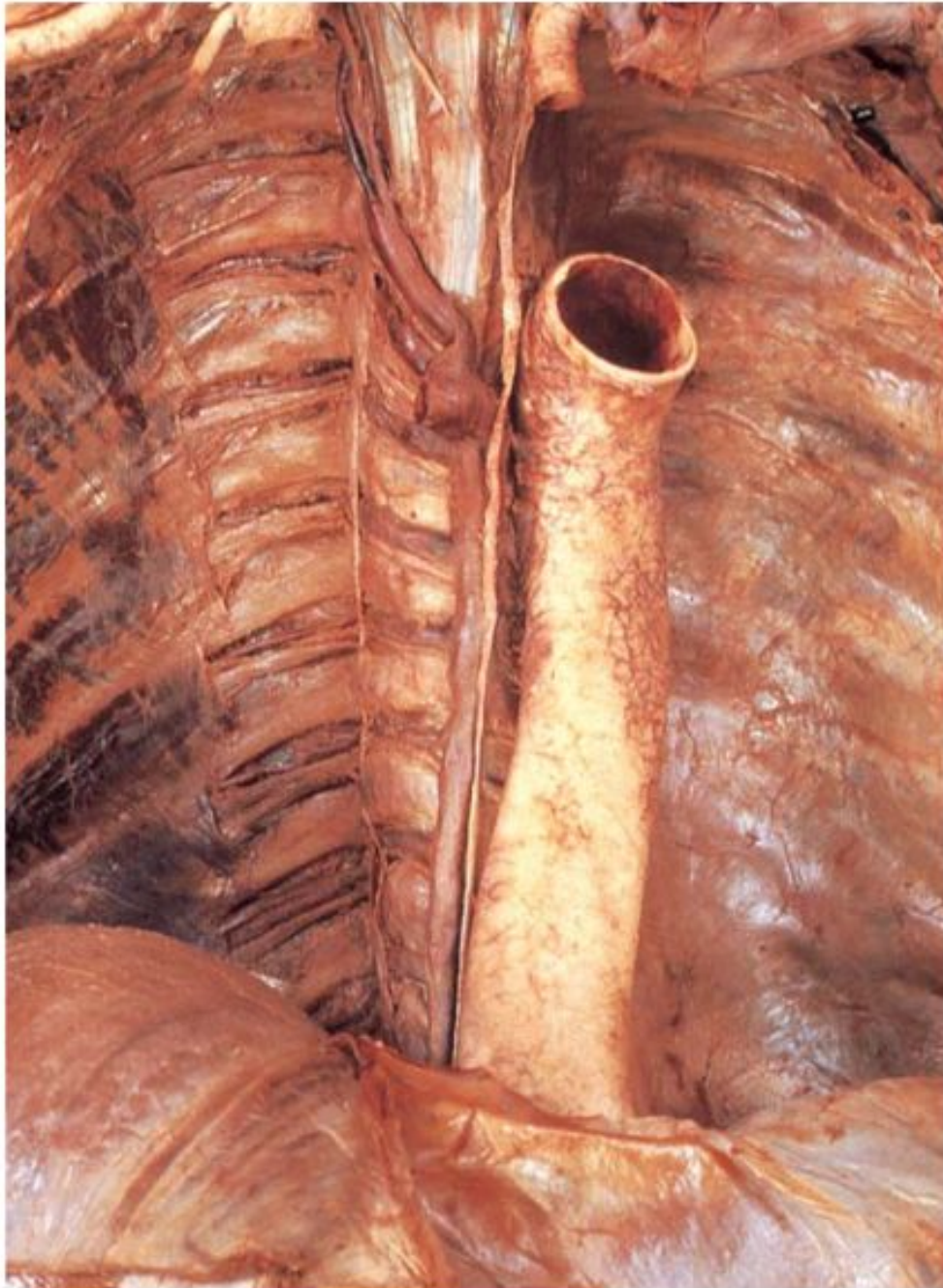
# Ветви грудной аорты



- |  |   |                                   |
|--|---|-----------------------------------|
| 1 Thyroid gland  | 11 Azygos vein  | 21 Brachiocephalic trunk          |
| 2 Right internal jugular vein  | 12 Thoracic duct  | 22 Left vagus nerve               |
| 3 Right vagus nerve  | 13 Posterior intercostal artery and vein (in front of the vertebral column) | 23 Aortic arch                    |
| 4 Point where right recurrent laryngeal nerve is branching off the vagus nerve | 14 Right phrenic nerve  | 24 Left recurrent laryngeal nerve |
| 5 Right brachiocephalic vein   | 15 Inferior vena cava   | 25 Left bronchial artery          |
| 6 Trachea  | 16 Diaphragm  | 26 Lymph node                     |
| 7 Left brachiocephalic vein (reflected)  | 17 Left vagus nerve   | 27 Thoracic aorta                 |
| 8 Esophagus  | 18 Thyrocervical trunk  | 28 Esophageal plexus              |
| 9 Right bronchial artery   | 19 Left subclavian artery   | 29 Left phrenic nerve             |
| 10 Posterior intercostal artery  | 20 Left common carotid artery   |                                   |



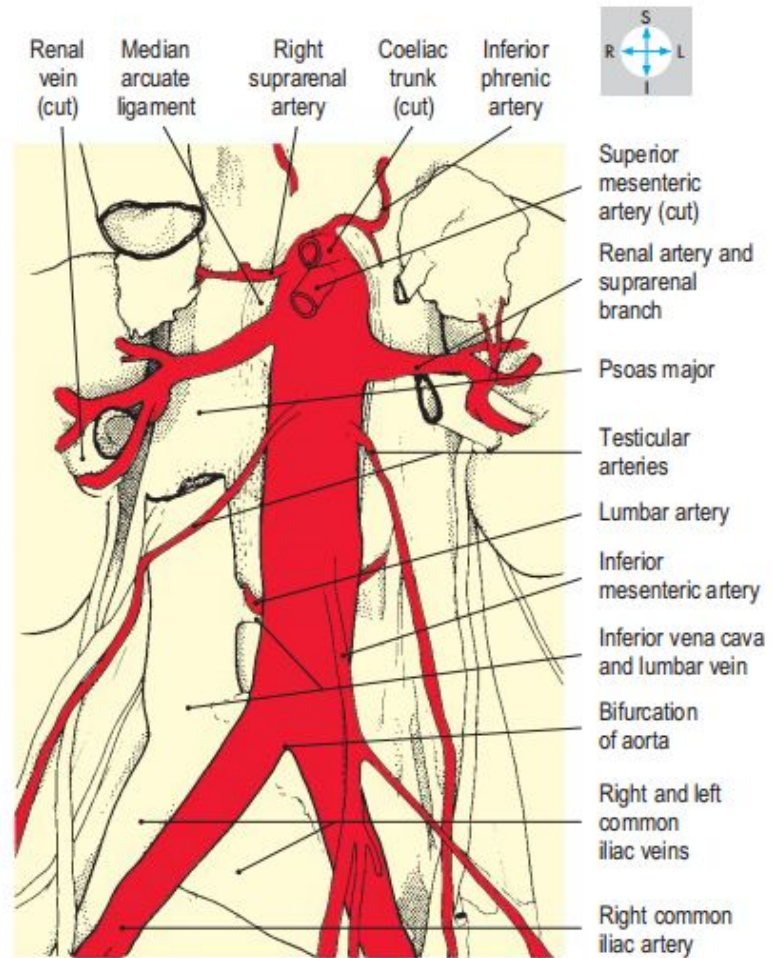
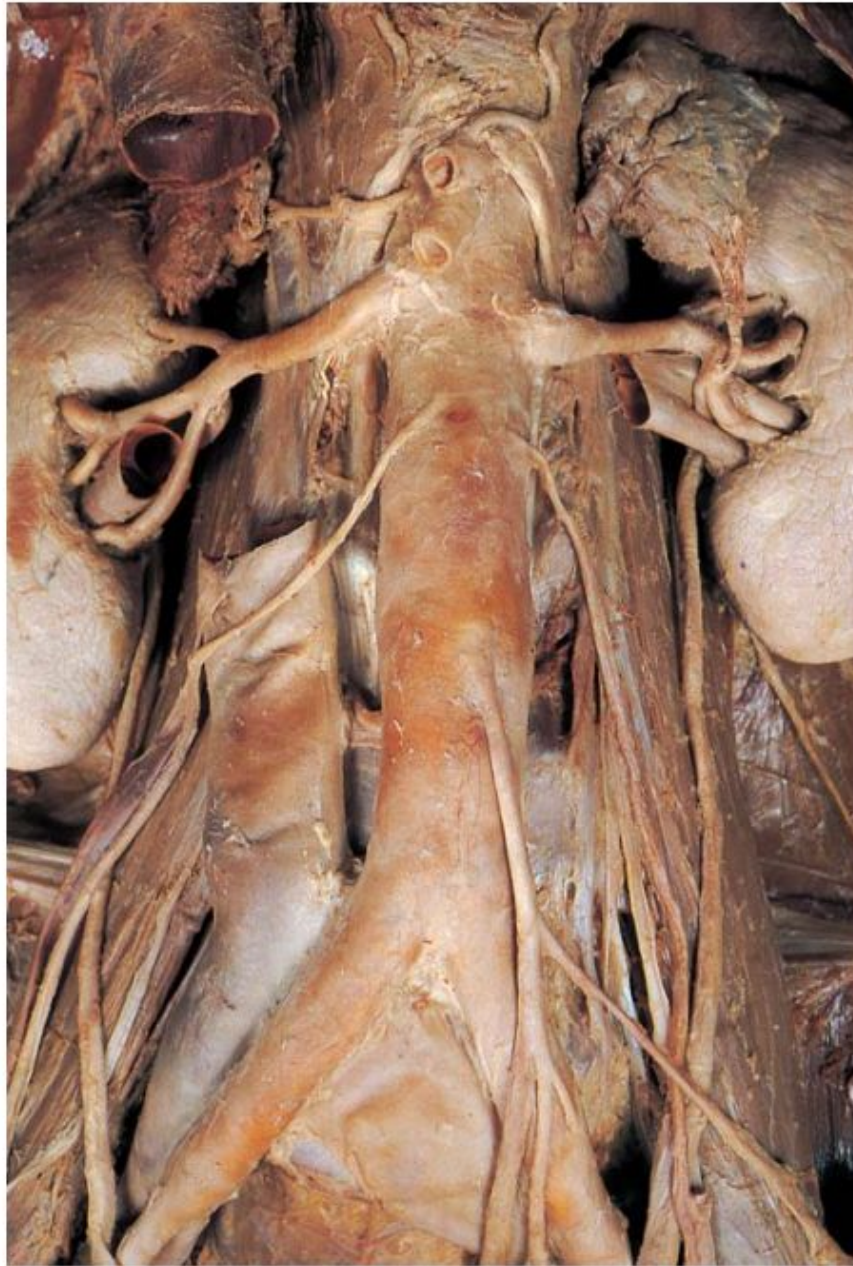
# Задние межреберные артерии



**Fig. 2.63** Azygos vein, right intercostal nerves and posterior intercostal vessels, exposed after removal of the parietal pleura.



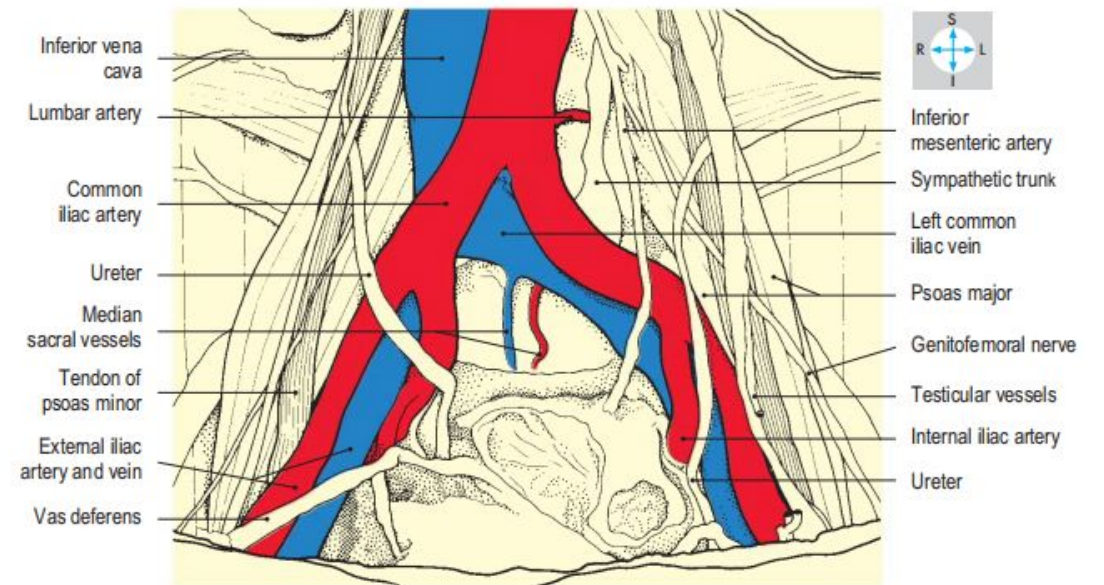
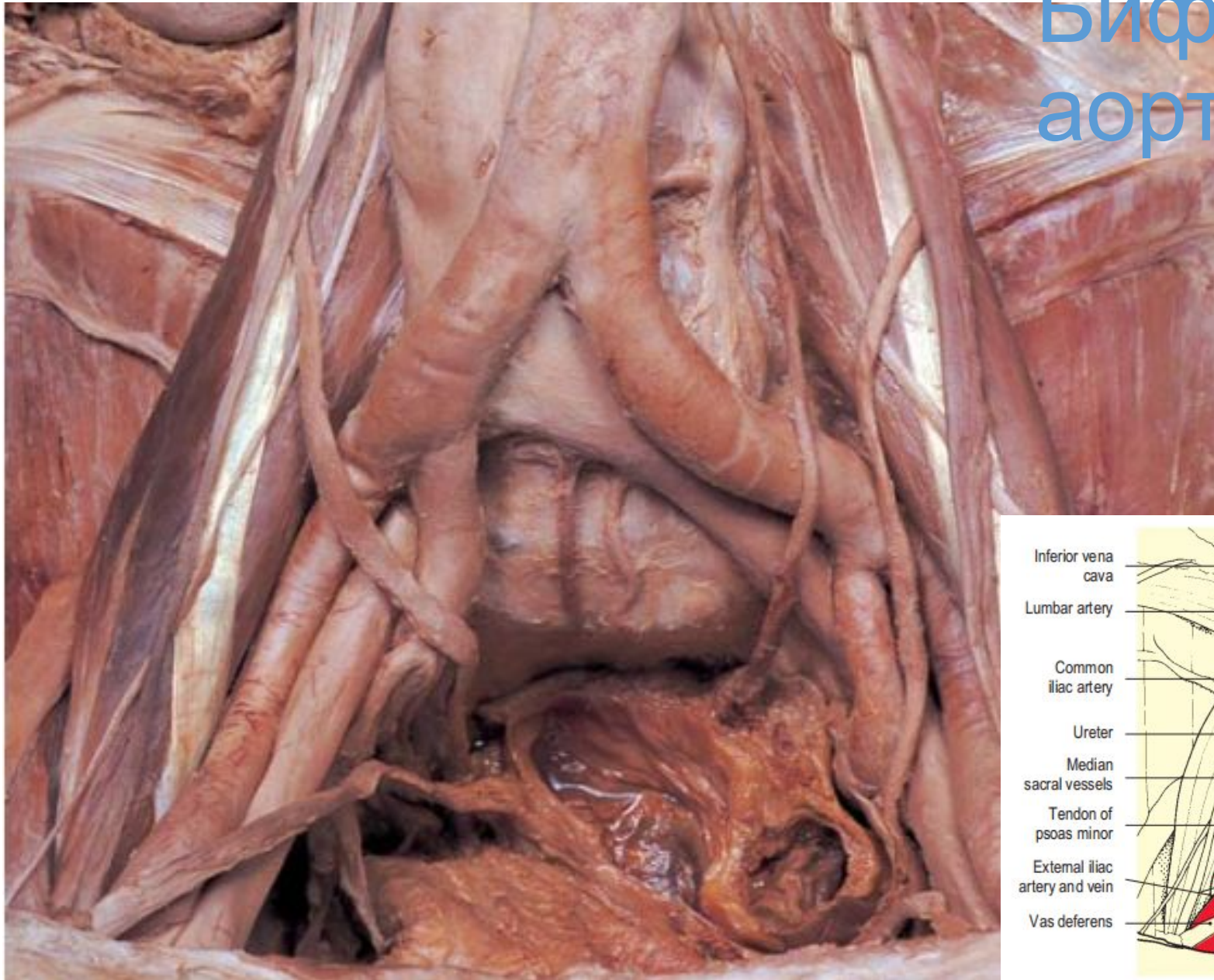
# Ветви брюшной аорты



**Fig. 4.89** Abdominal aorta and its branches, seen after removal of the renal veins and part of the inferior vena

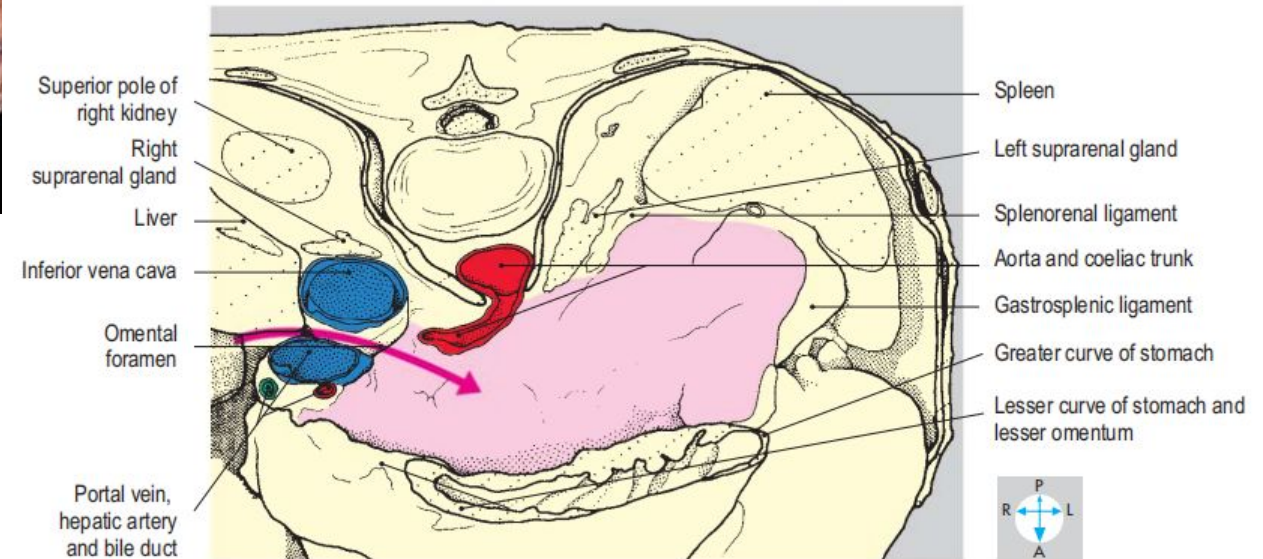
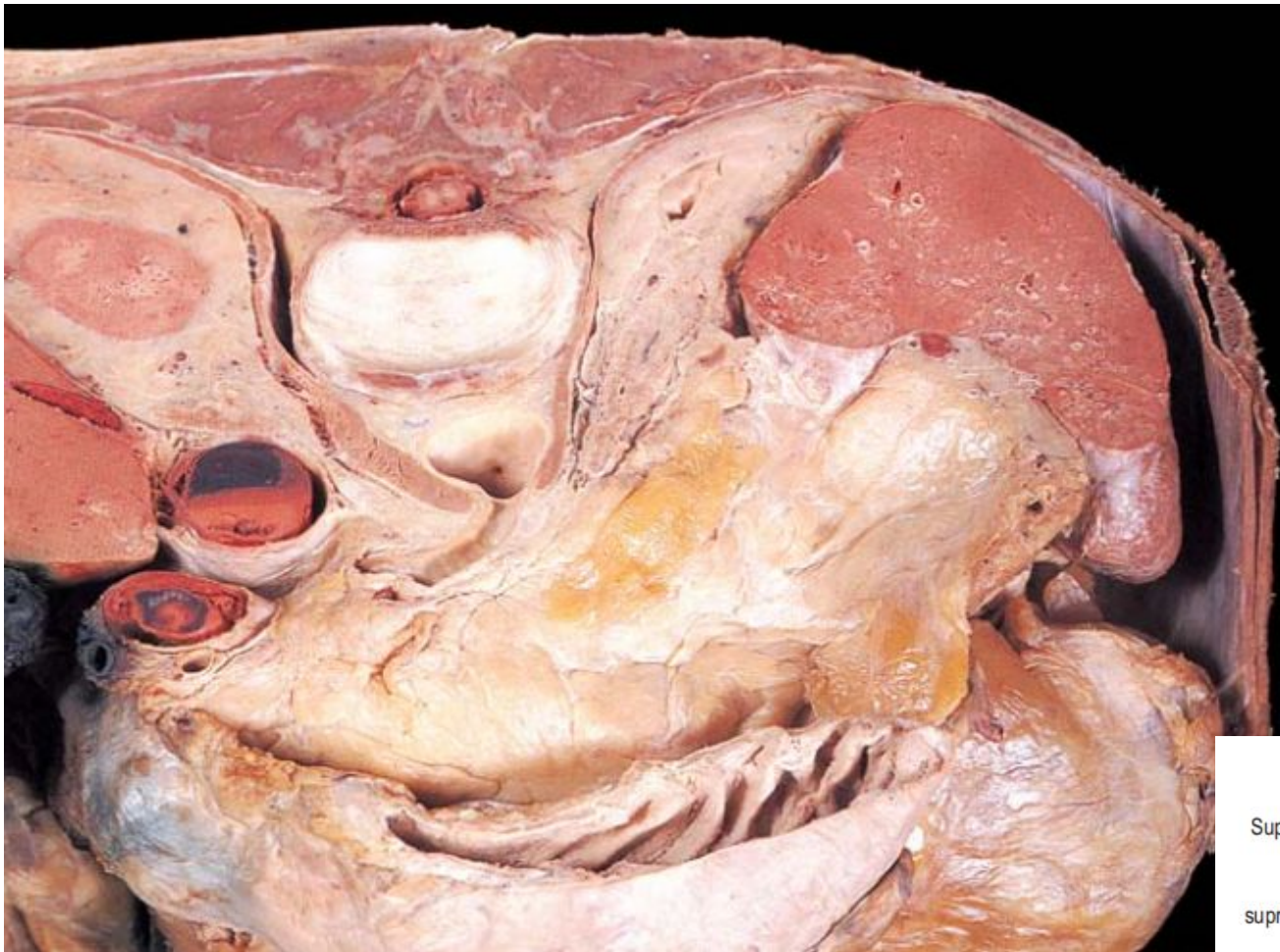


# Бифуркация аорты



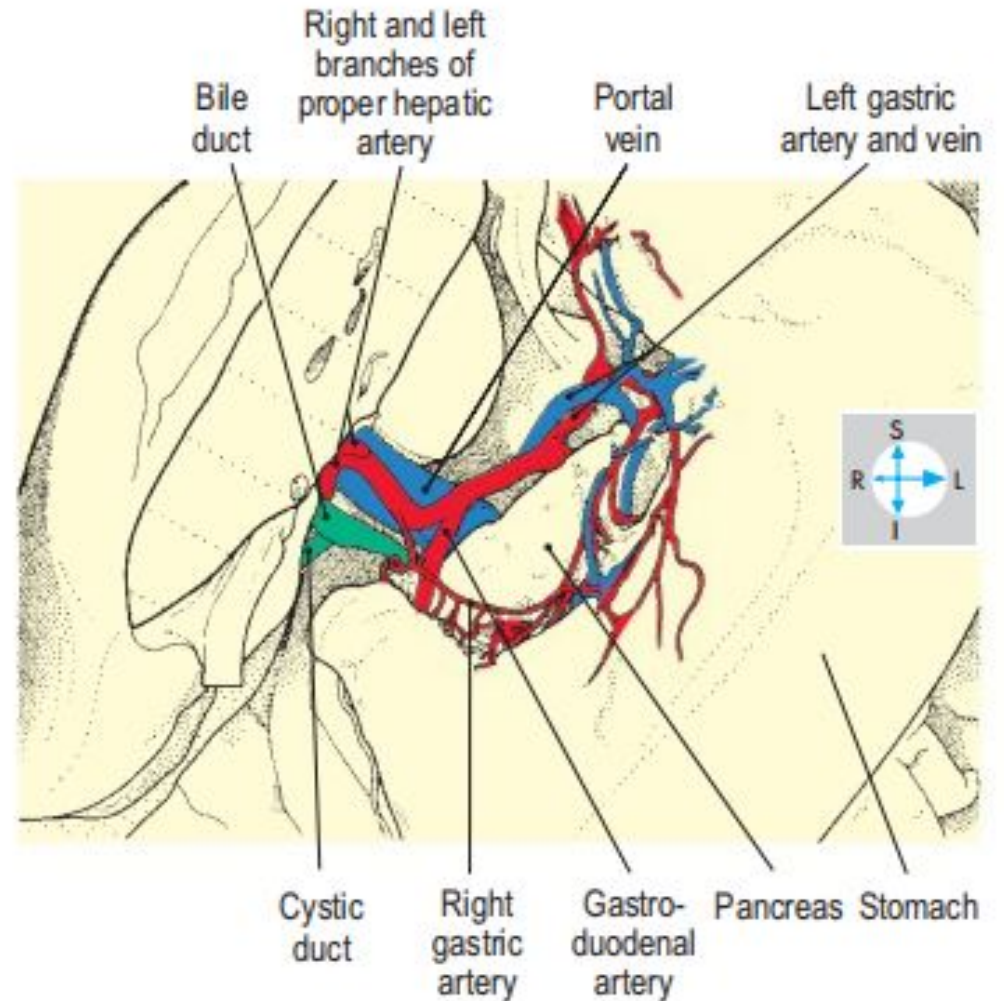
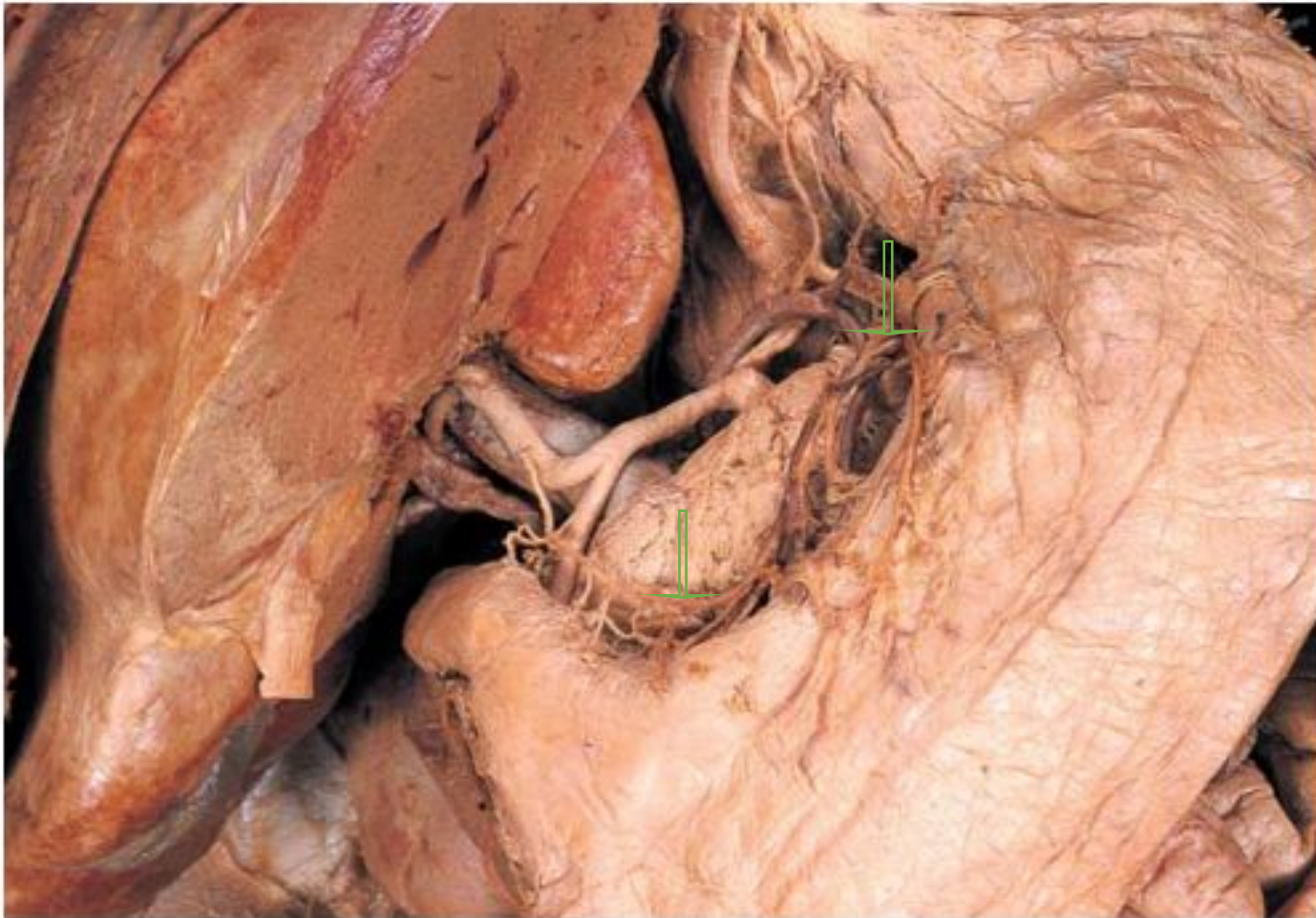


# Чре́вный ство́л





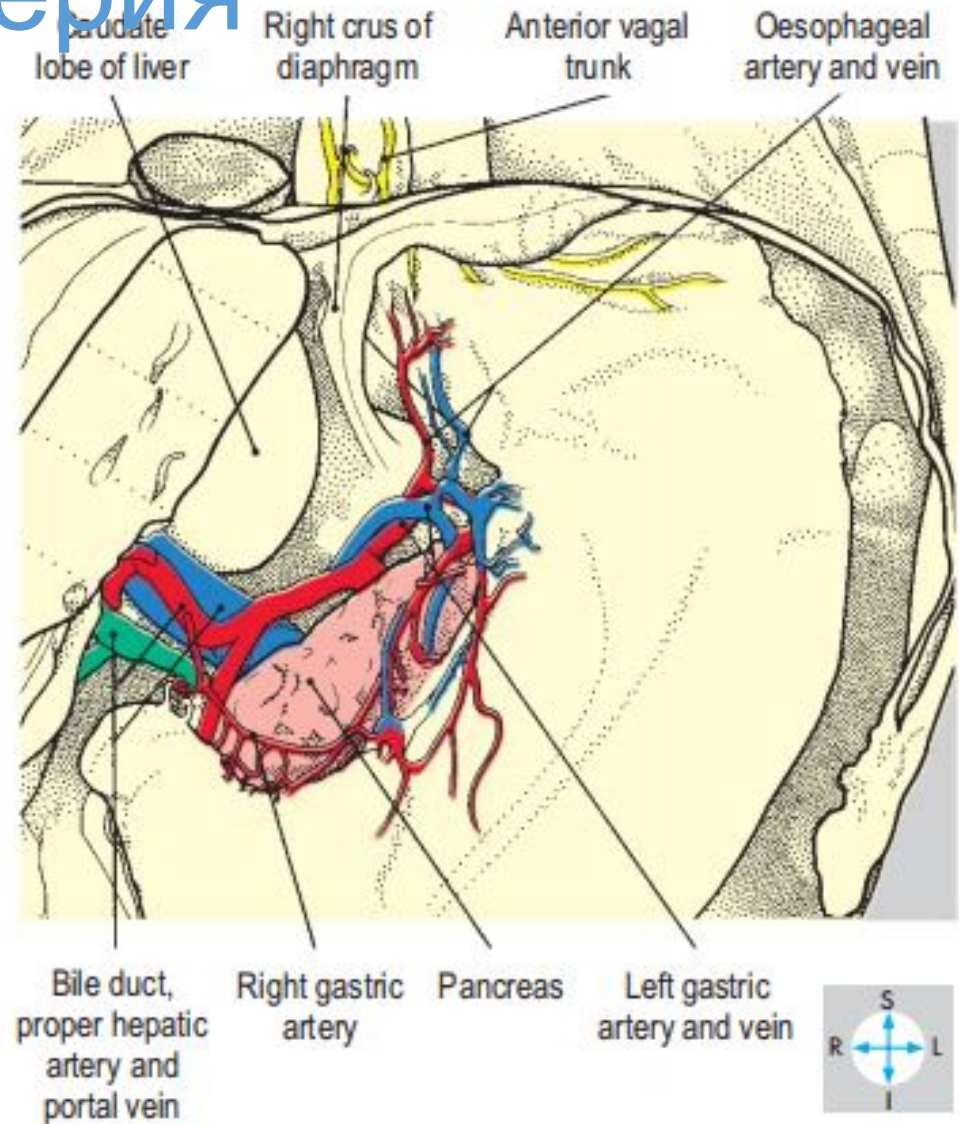
# Левая желудочная артерия



**Fig. 4.62** Course and branches of the common hepatic artery. The lesser omentum has been removed.



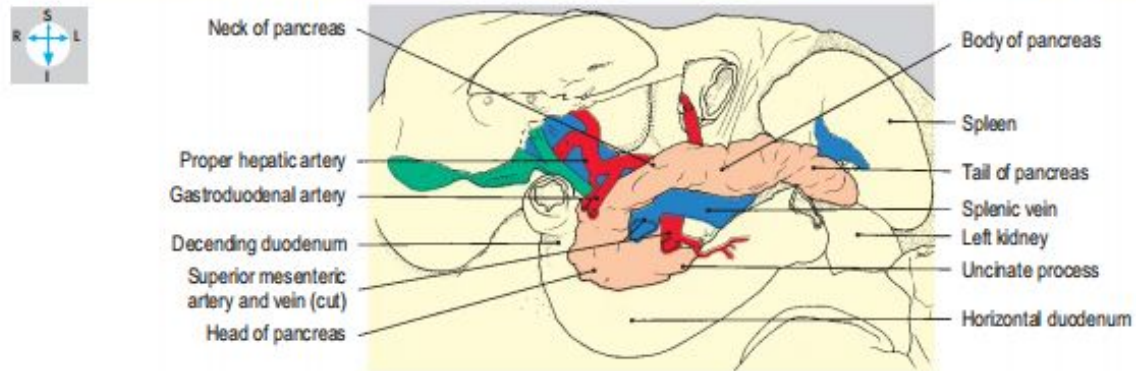
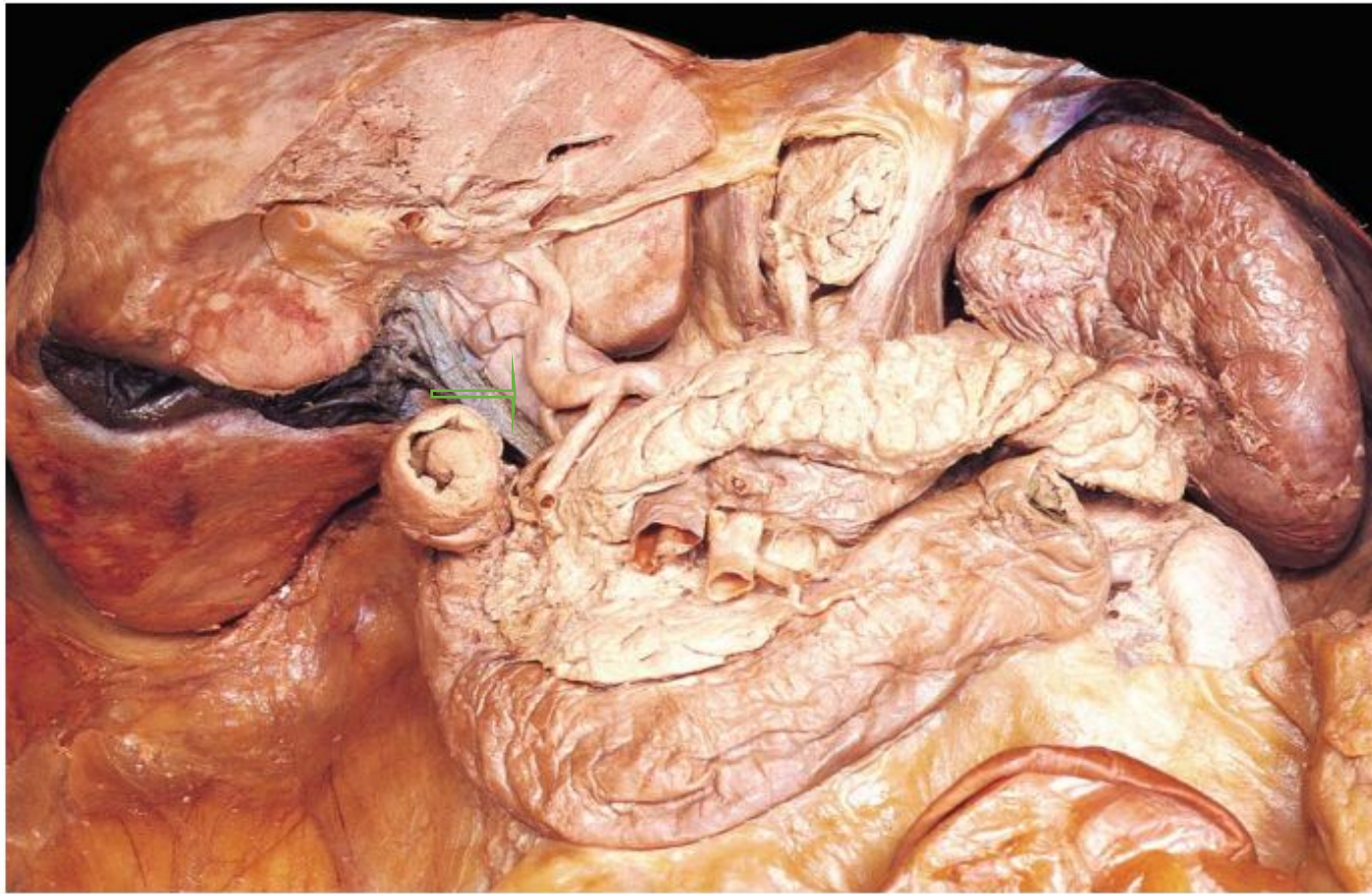
# Общая печеночная артерия



**Fig. 4.44** Dissection of the lesser omentum showing structures along the lesser curvature of the stomach.



# Собственно печеночная артерия

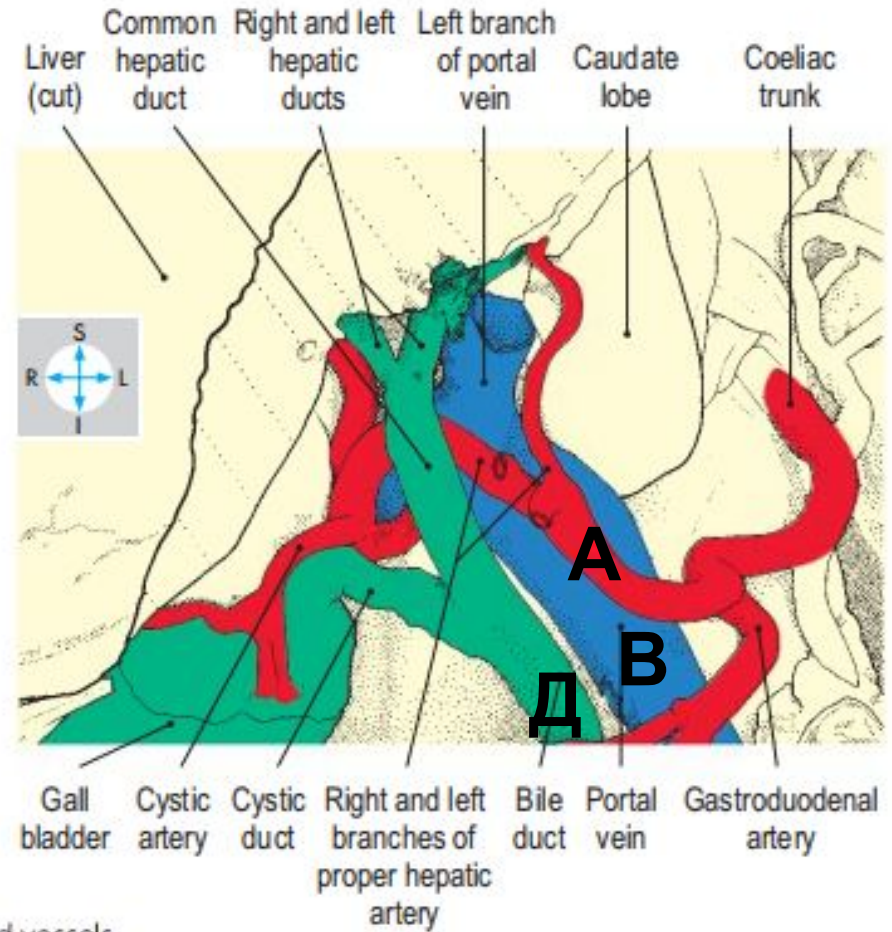


**Fig. 4.53** Principal relations and parts of the pancreas.



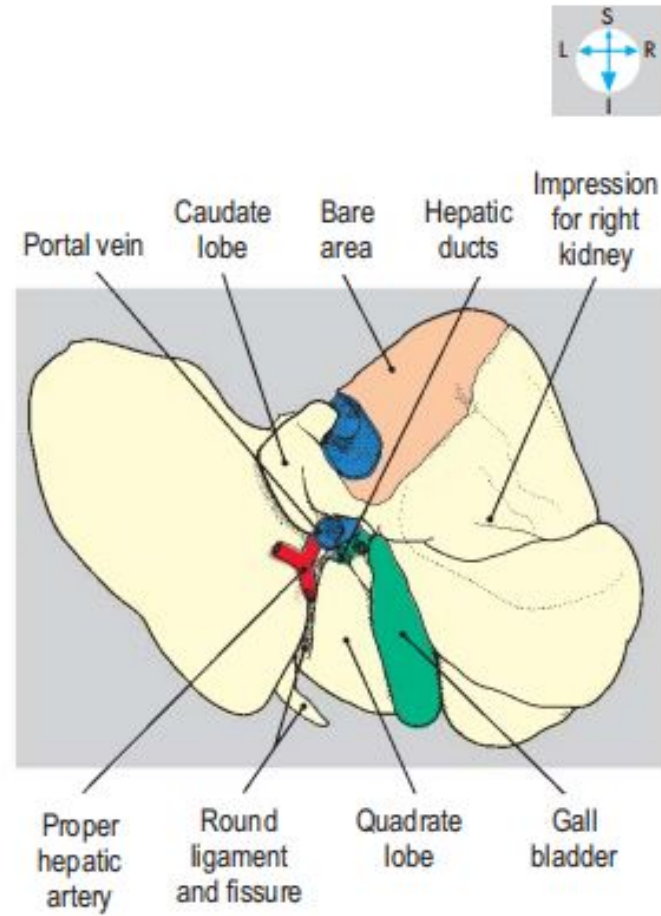
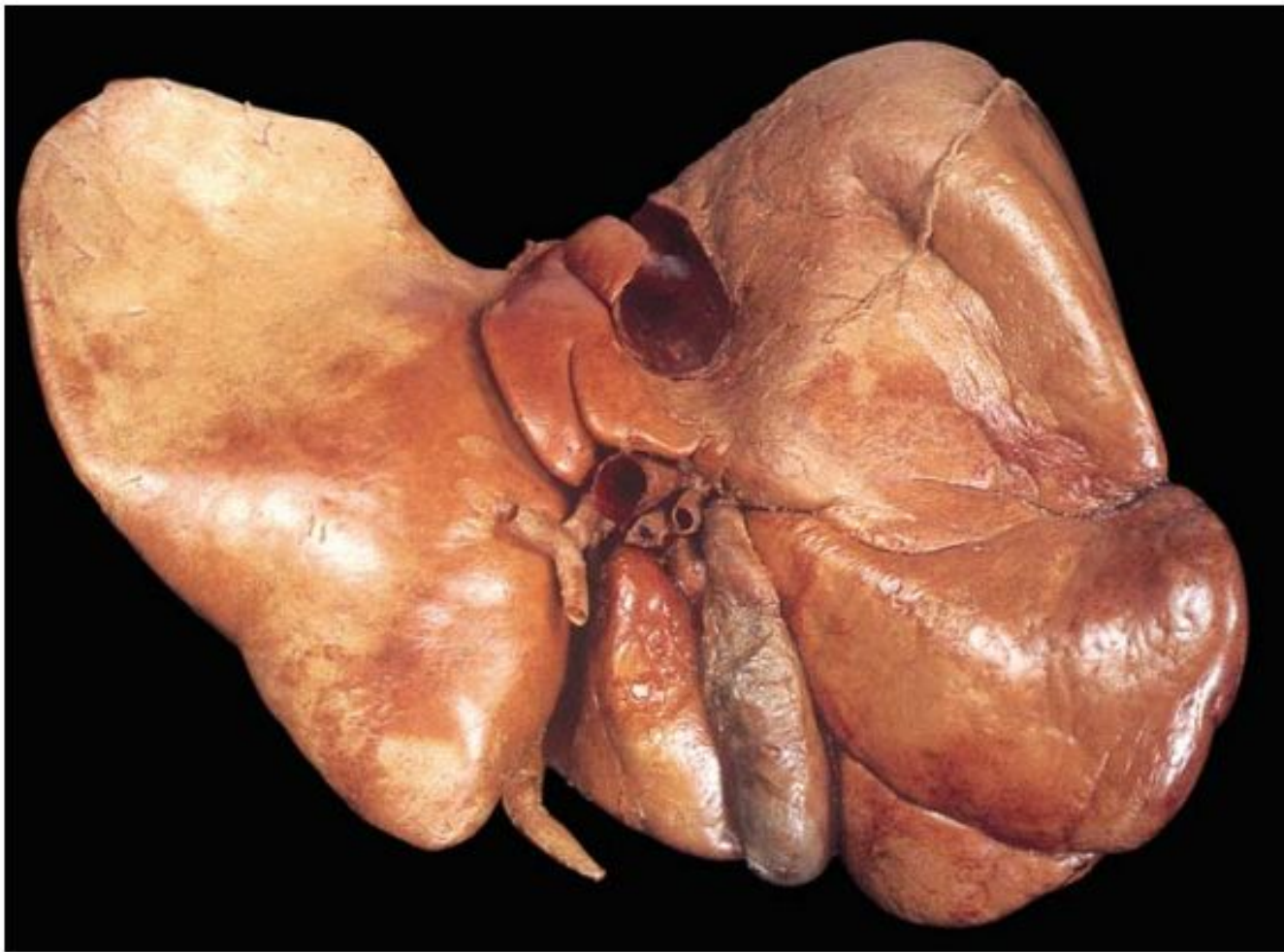


**Fig. 4.59** Exposure of the porta hepatis reveals the hepatic and cystic ducts and related blood vessels.



# Печеночные артерии

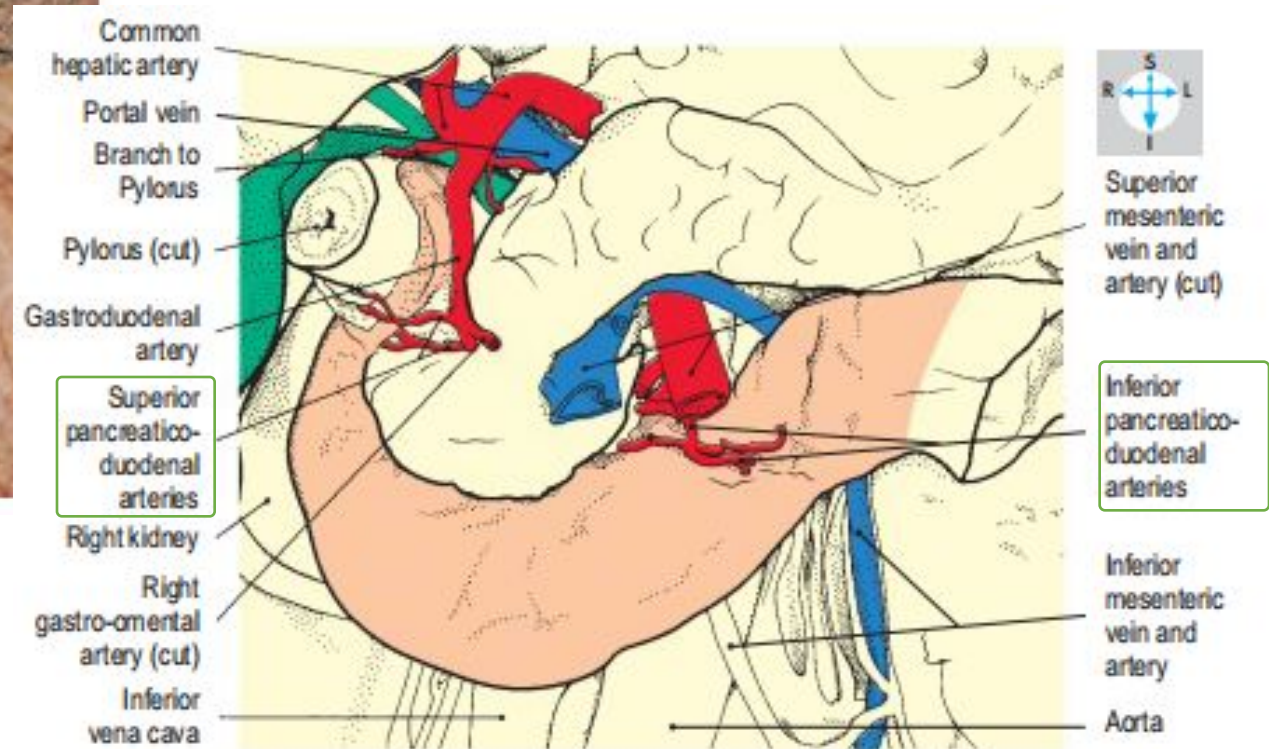




**Fig. 4.61** Inferior view of liver and gall bladder showing porta hepatis and visceral surface.

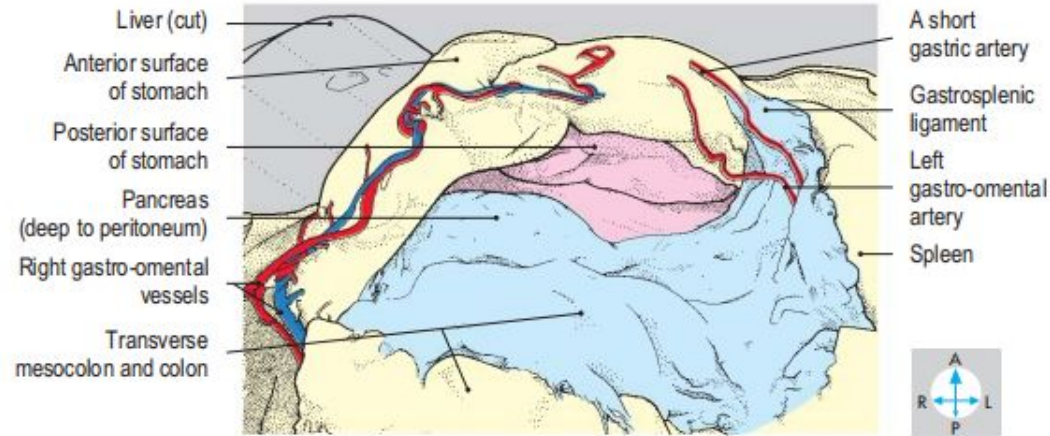
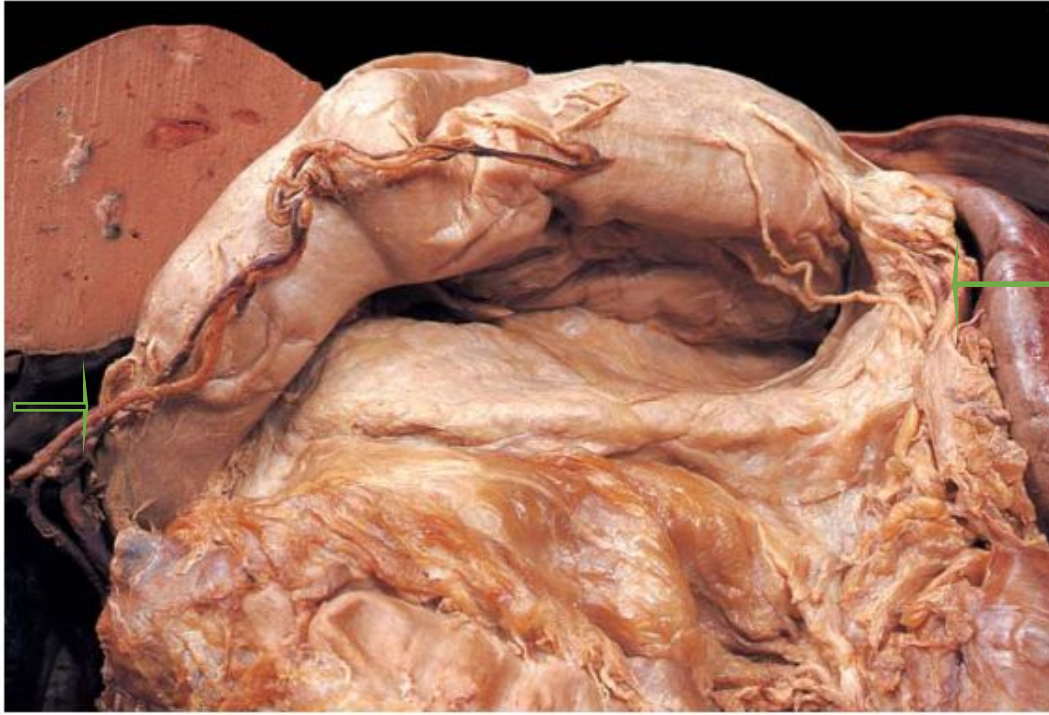
Собственно печеночная артерия в  
воротах печени

# Панкреатодуоденальные артерии



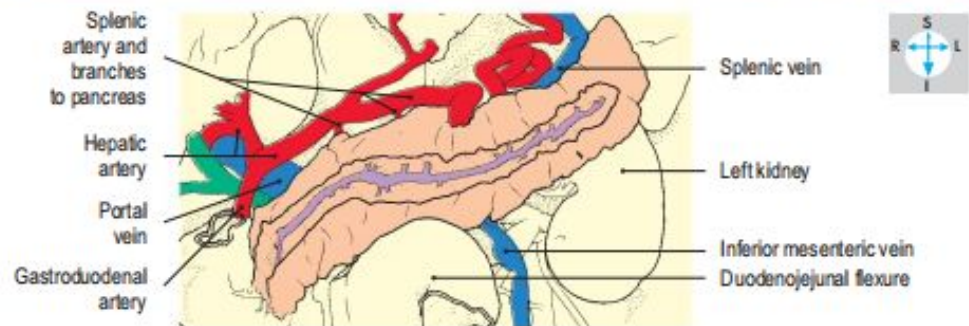


# Желудочно-сальниковые артерии



**Fig. 4.43** Omental bursa (pink) and stomach bed, seen after removal of the greater omentum and lifting the greater curvature upwards.

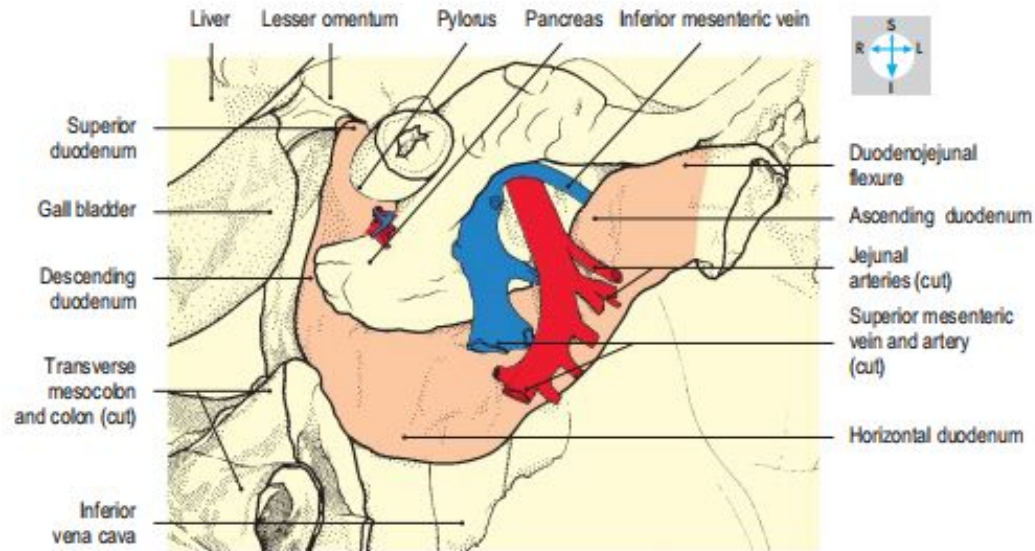
# Селезеночная артерия



**Fig. 4.55** Principal vascular relations of the body and tail of the pancreas.



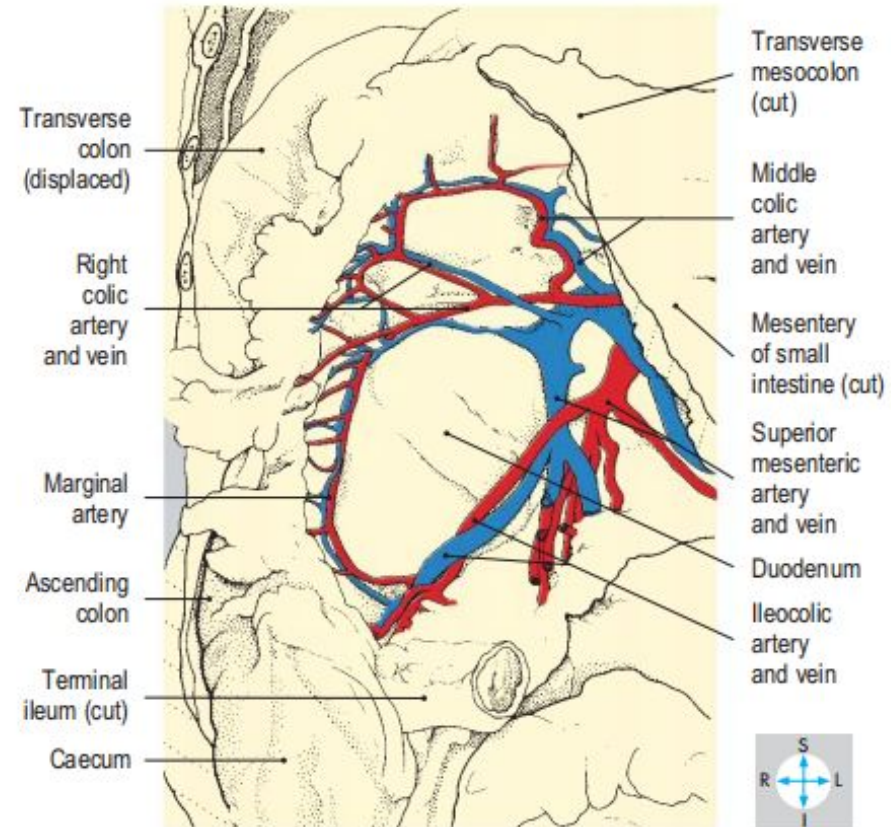
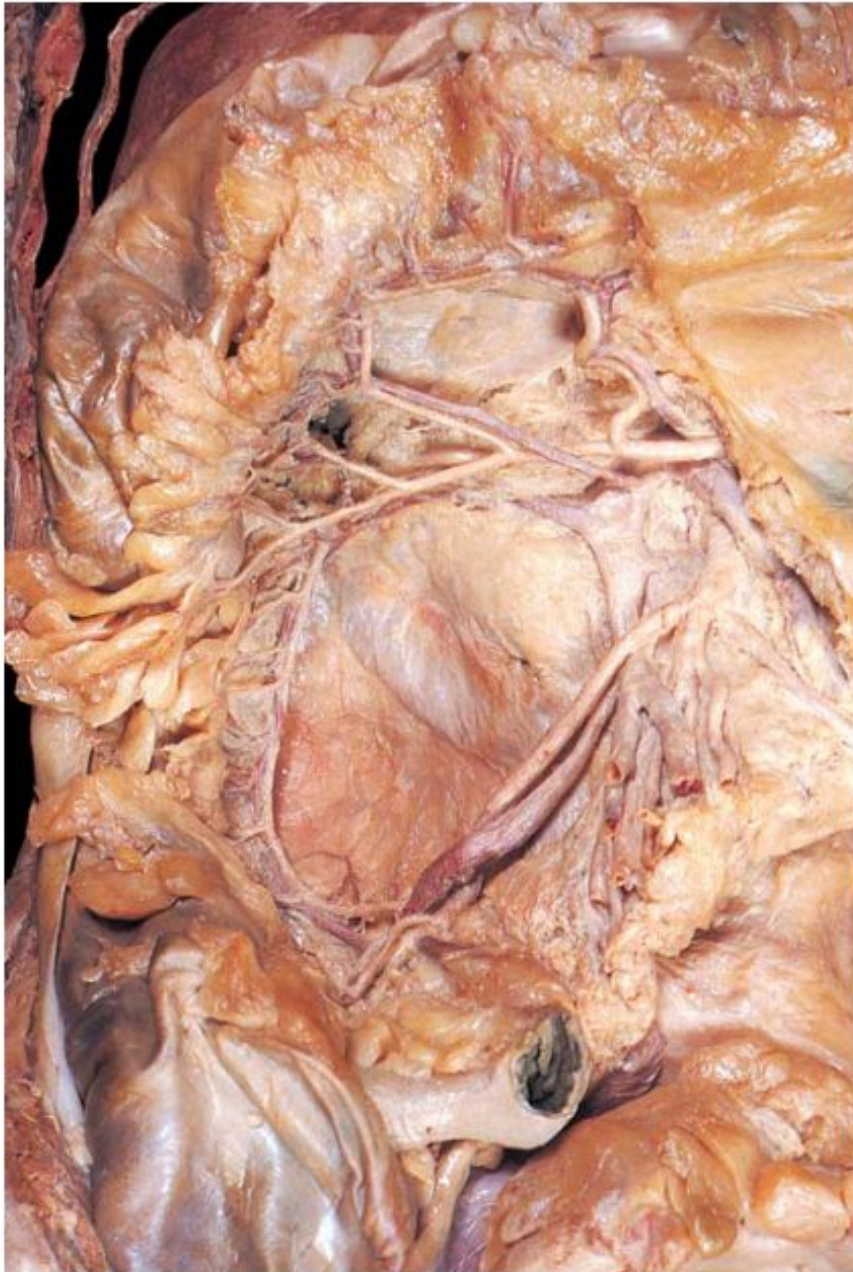
# Верхняя брыжеечная артерия



**Fig. 4.49** Duodenum and some related structures. The liver and gall bladder have been slightly displaced.



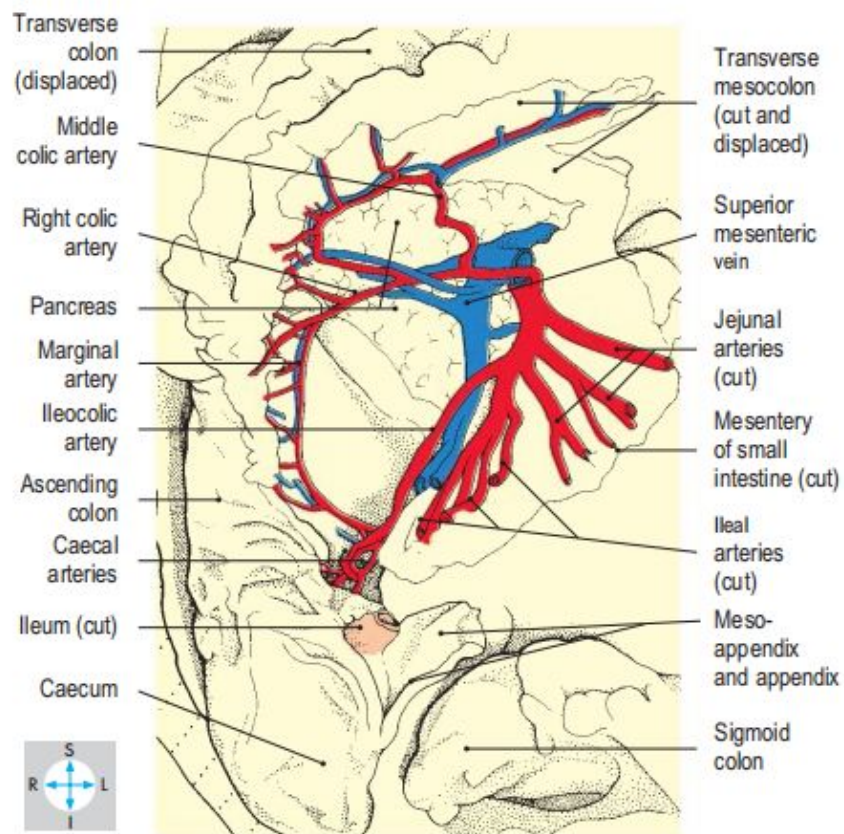
# Верхняя брыжеечная артерия



**Fig. 4.75** Blood supply to the caecum, ascending and transverse colon. The transverse mesocolon and the mesentery of the small intestine have been dissected to reveal the ileocolic, right colic and middle colic vessels.



# Верхняя брыжеечная артерия



**Fig. 4.66** Superior mesenteric artery and its branches. The jejunal and ileal veins have been removed.



# Верхняя брыжеечная артерия

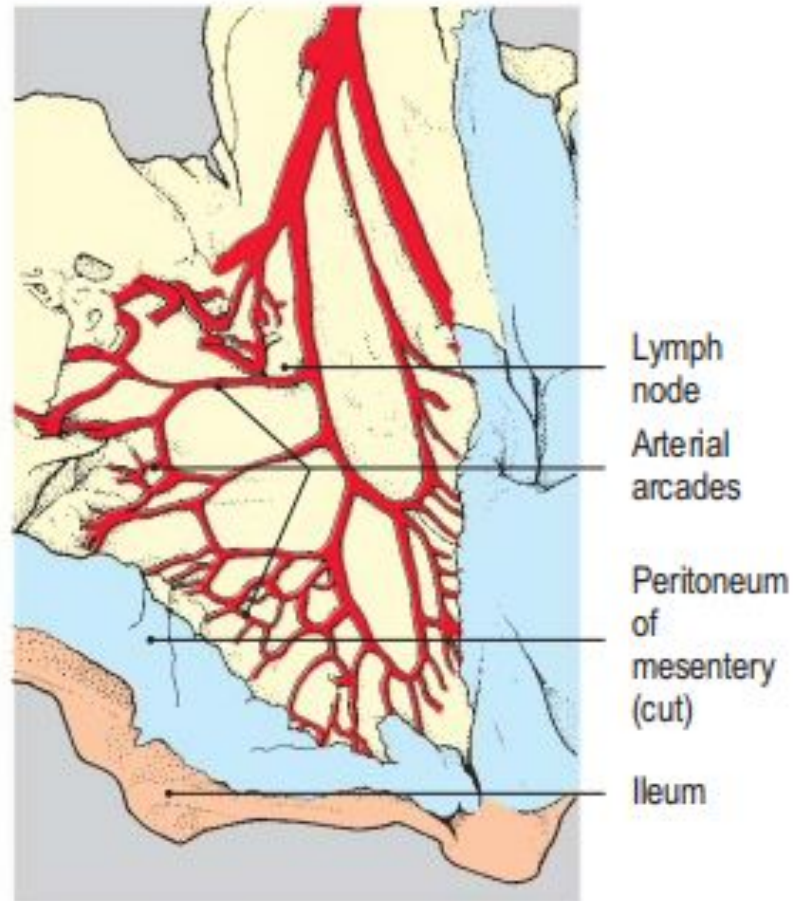


Vessels of upper abdominal organs and small intestine (anterior aspect). Dissection of superior mesenteric artery and vein. Greater omentum and transverse colon are reflected.

- 1 Greater omentum
- 2 Middle colic artery
- 3 Right colic artery
- 4 Duodenum
- 5 Ascending colon
- 6 Ileum
- 7 Transverse colon
- 8 Celiac plexus
- 9 Duodenojejunal flexure
- 10 Superior mesenteric vein
- 11 Superior mesenteric artery
- 12 Jejunum
- 13 Jejunal arteries
- 14 Ileal arteries
- 15 Liver
- 16 Celiac trunk and abdominal aorta
- 17 Gallbladder
- 18 Pancreas
- 19 Ileocolic artery
- 20 Stomach
- 21 Spleen
- 22 Left colic flexure
- 23 Appendicular artery
- 24 Vermiform appendix

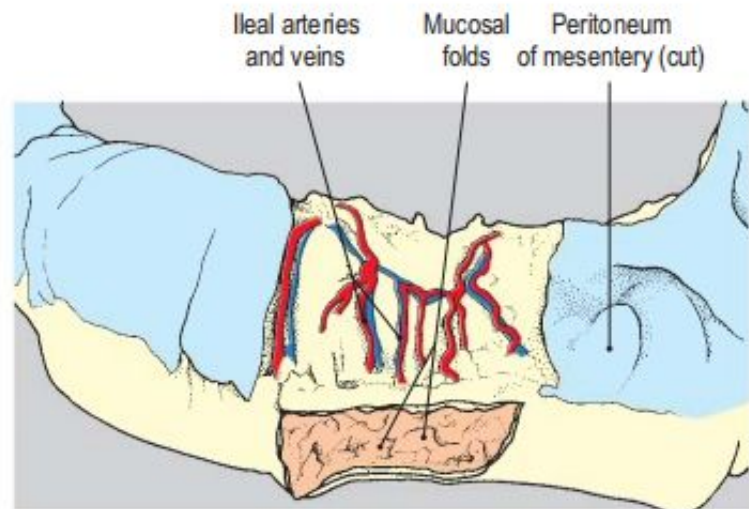
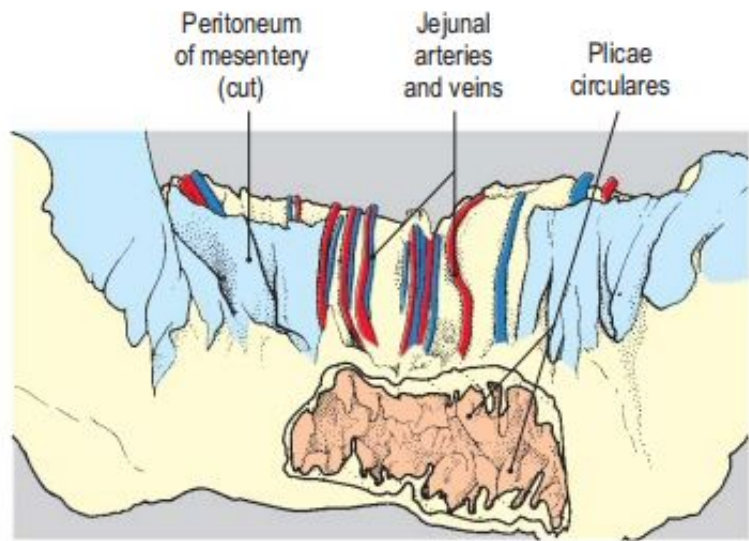
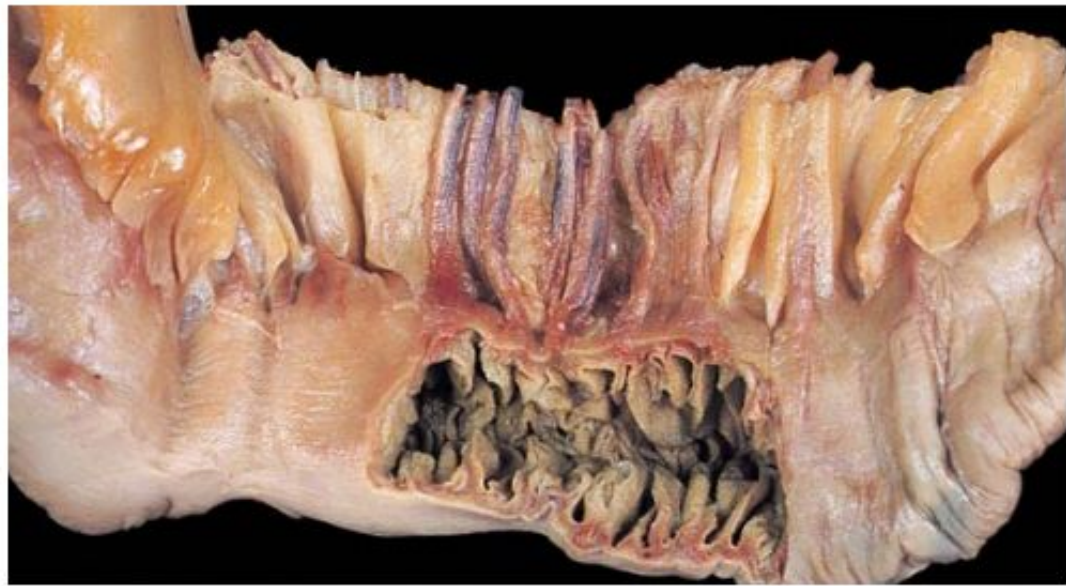


# Артериальные аркады в брыжейке тонкого кишечника



**Fig. 4.67** Ileal arteries and their arcades in the mesentery of the ileum.

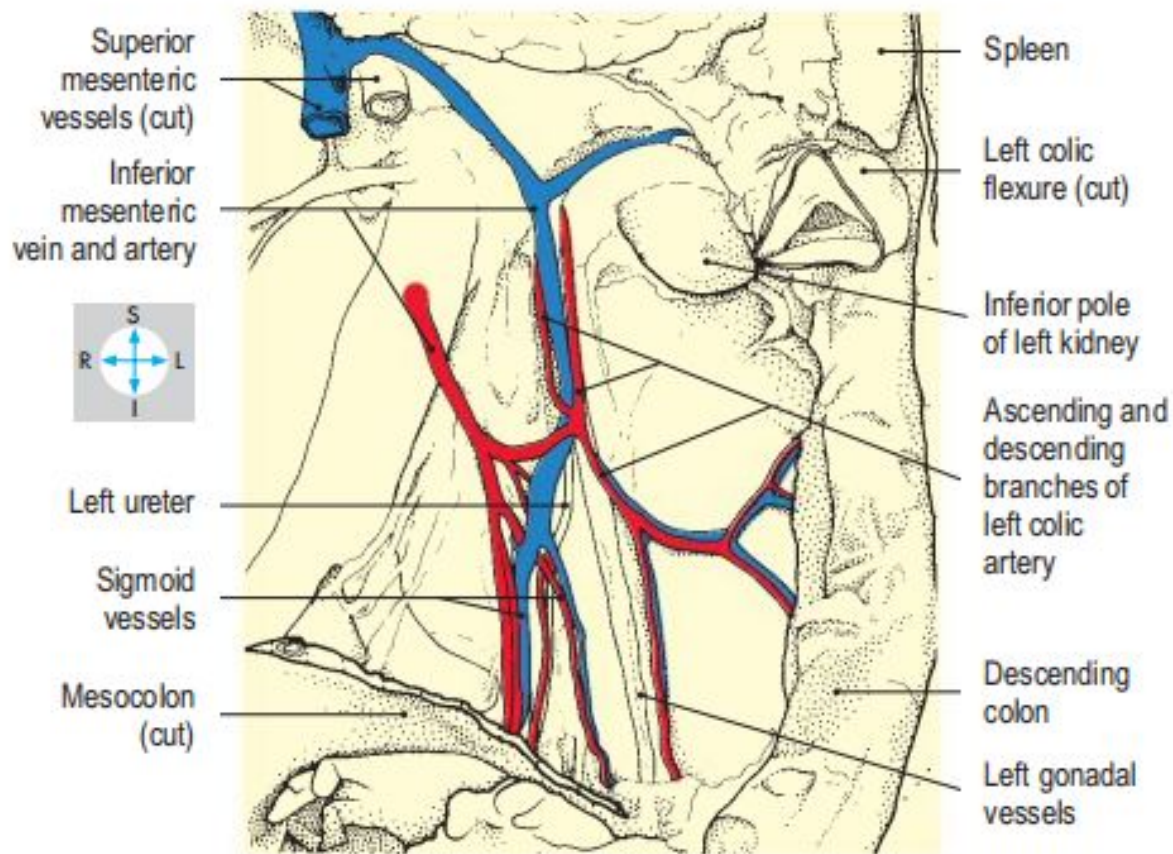
# Кровоснабжение ТОНКОГО КИШЕЧНИКА



**Fig. 4.64** Segments of jejunum (upper) and ileum (lower) opened to show their mucosae. Their mesenteries have been dissected to reveal the blood vessels.



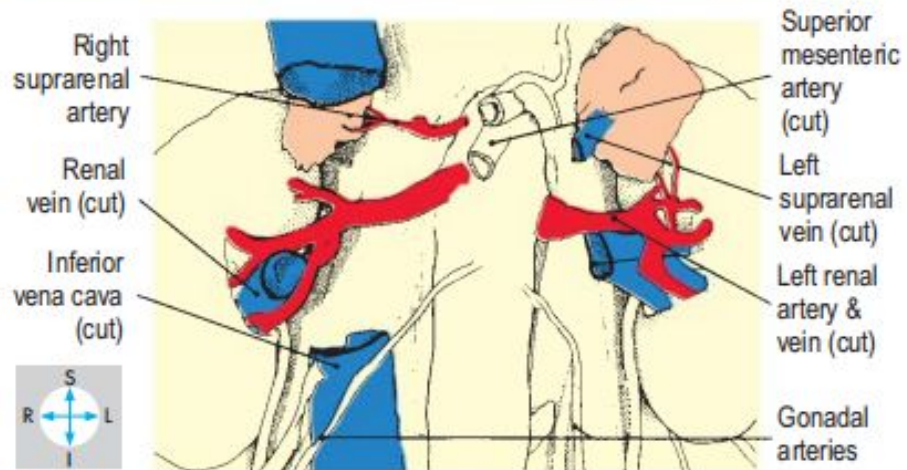
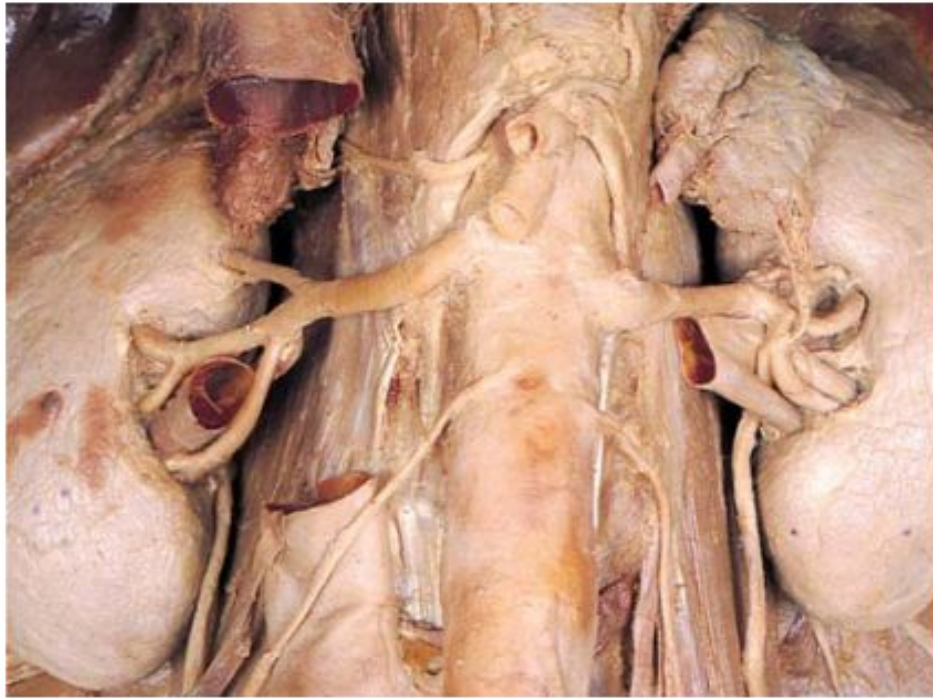
# Нижняя брыжеечная артерия



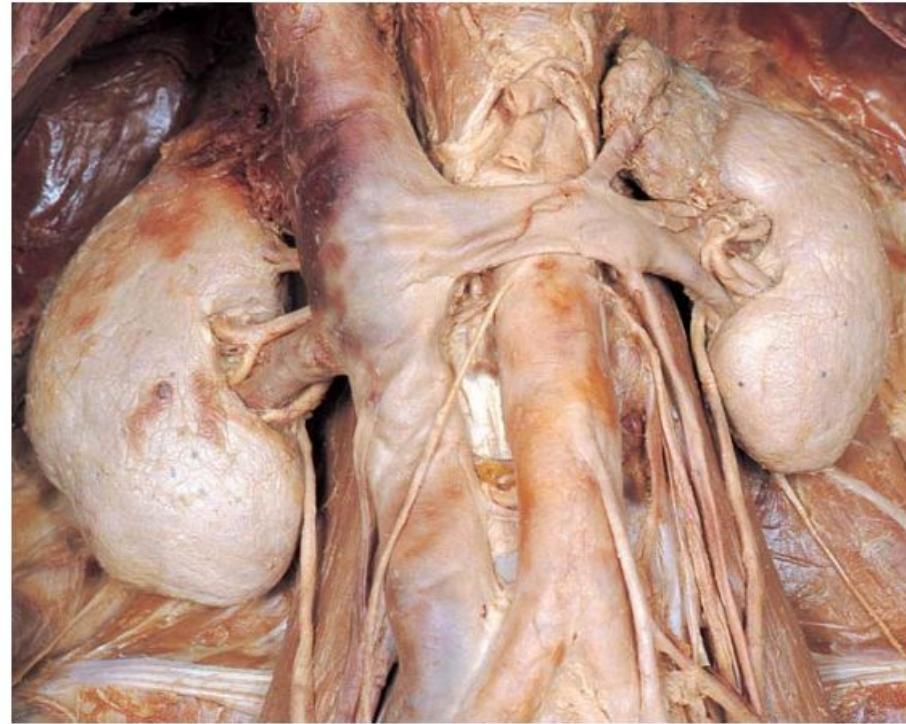
**Fig. 4.76** Blood supply to the left colic flexure, descending colon and sigmoid colon. Removal of peritoneum from the posterior abdominal wall to the left of the aorta displays the inferior mesenteric vessels.



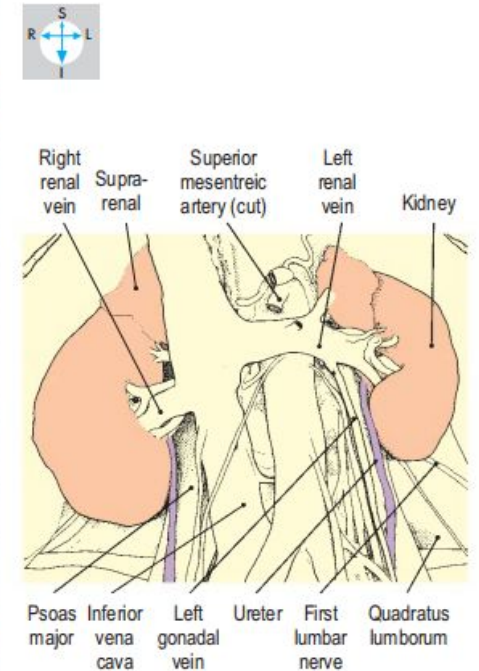
# Почечные артерии



**Fig. 4.85** Renal arteries exposed by removal of the renal veins and a portion of the inferior vena cava.

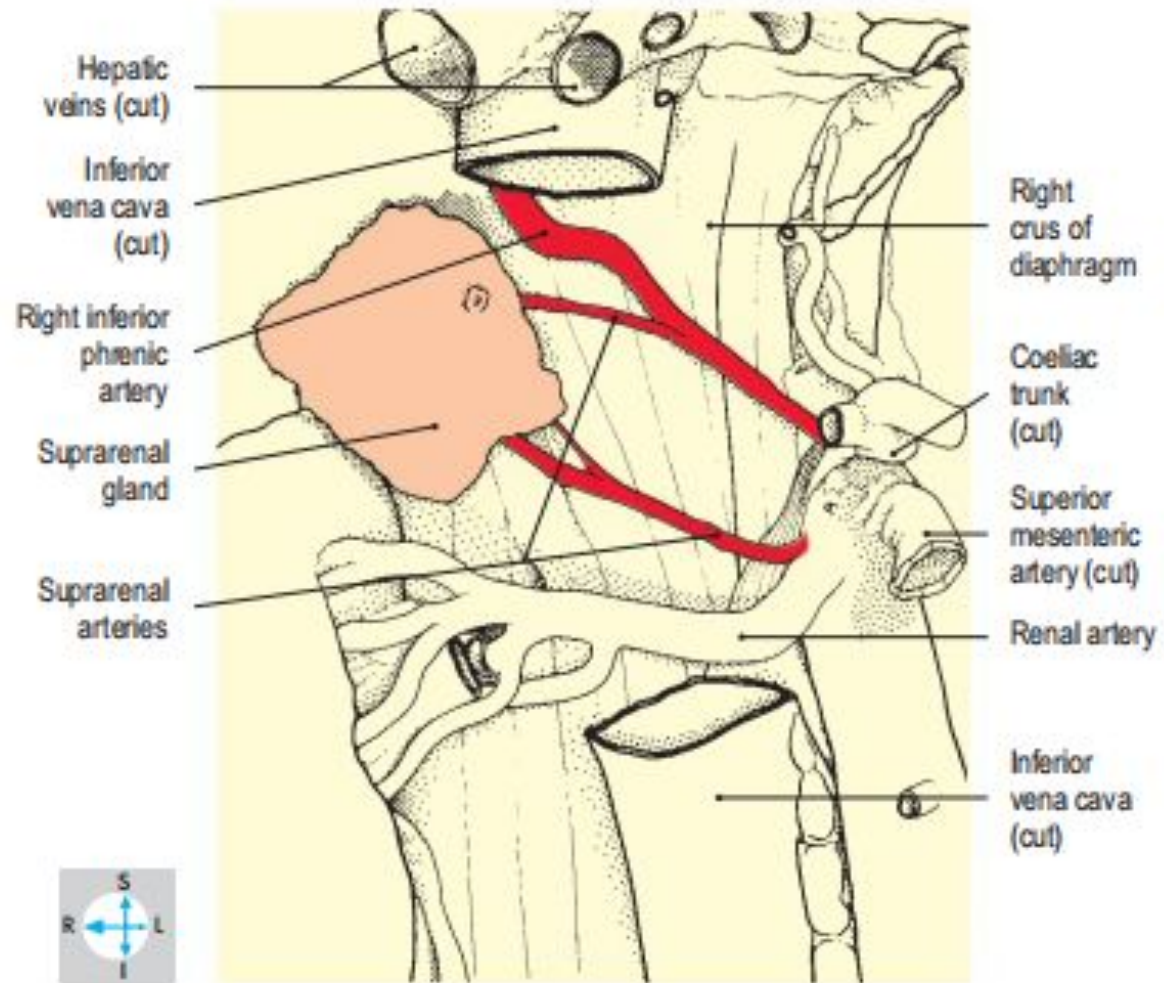


**Fig. 4.79** Kidneys, suprarenal glands and some of the vessels associated with them.





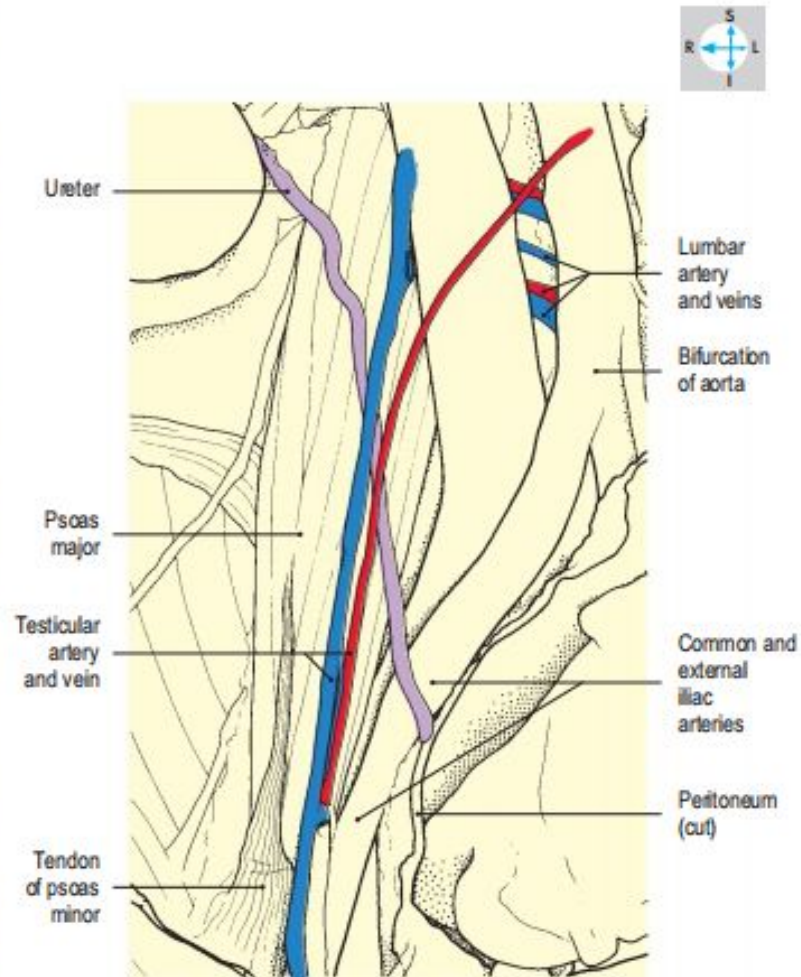
# Кровоснабжение надпочечников



**Fig. 4.86** Right suprarenal gland and its arteries exposed by removal of the renal vein and a portion of the inferior vena cava.

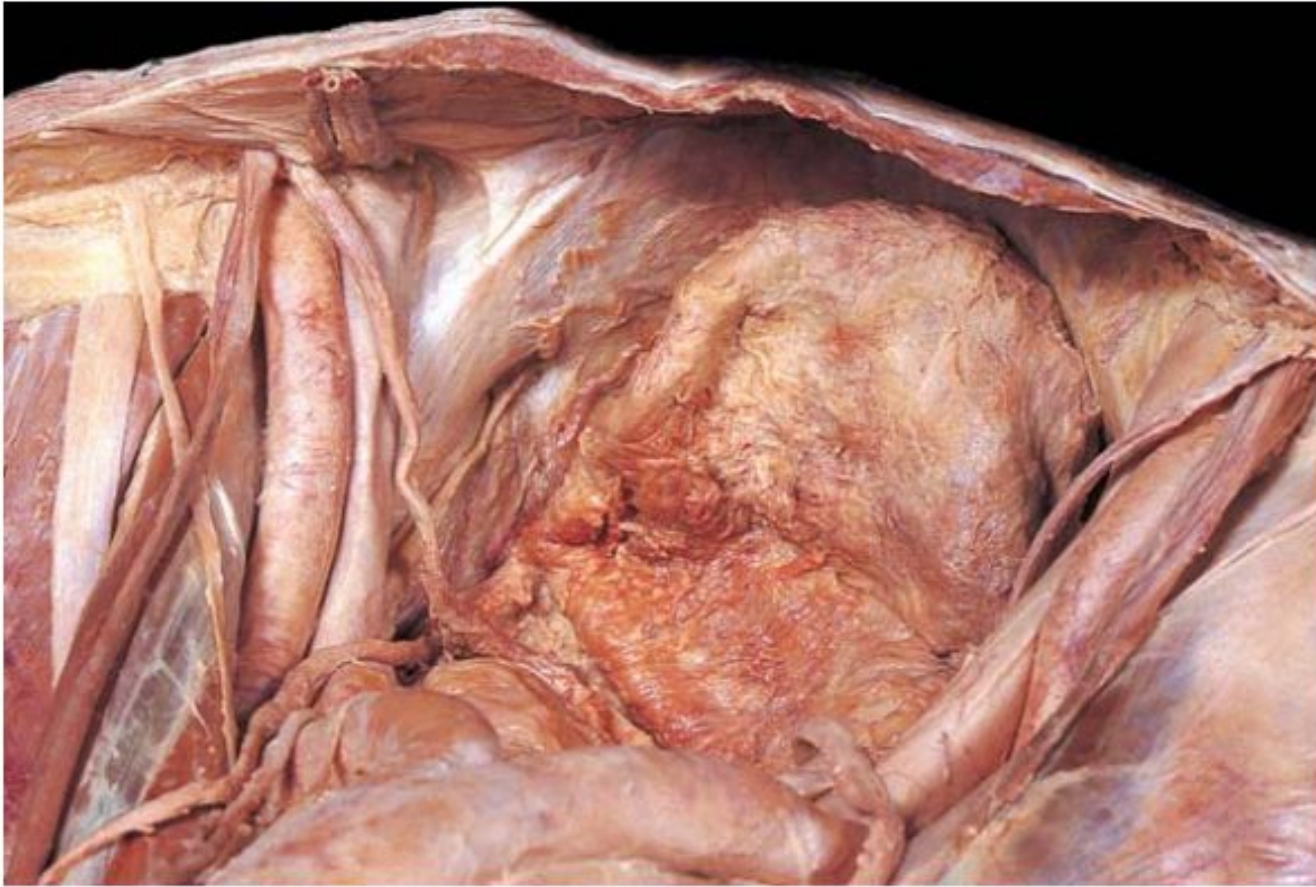


# Яичковые артерии

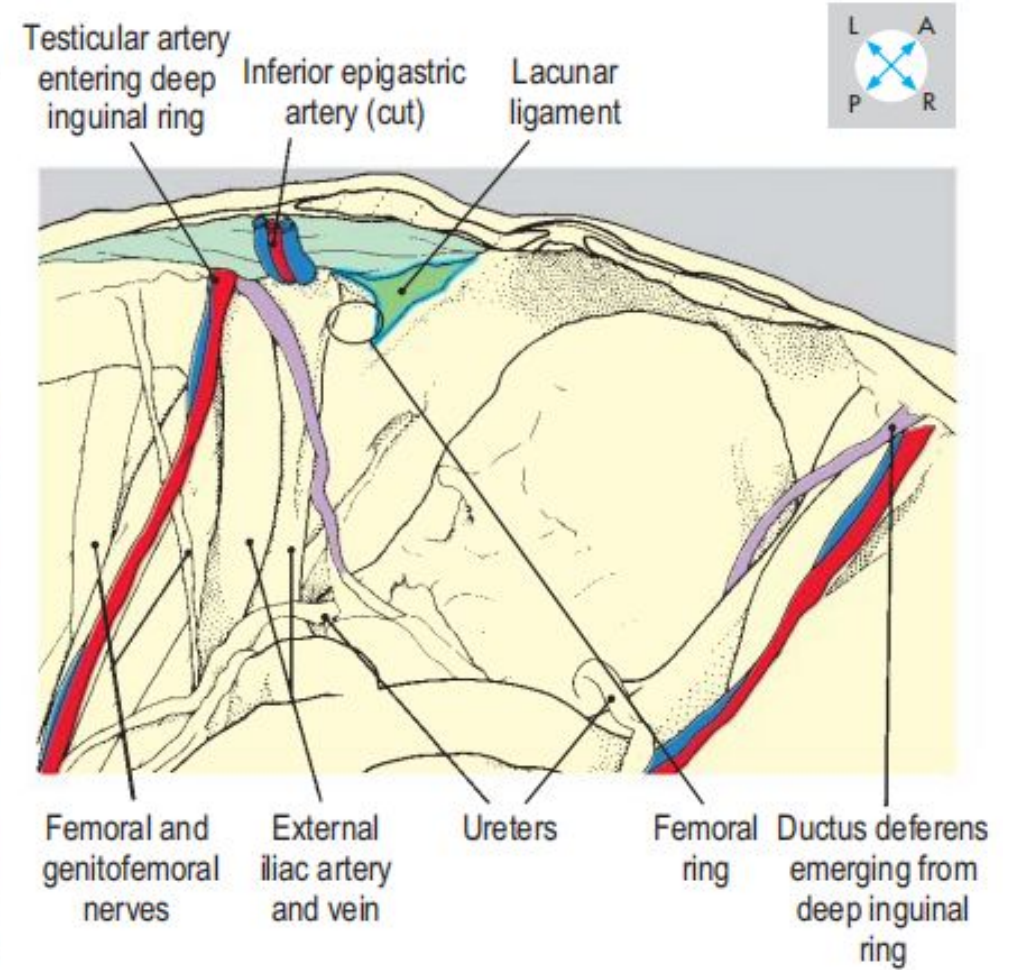




# Яичковые артерии



**Fig. 4.23** Superior view of the male pelvis to show structures near the deep inguinal ring.



Testicular artery  
entering deep  
inguinal ring

Inferior epigastric  
artery (cut)

Lacunar  
ligament



Femoral and  
genitofemoral  
nerves

External  
iliac artery  
and vein

Ureters

Femoral  
ring

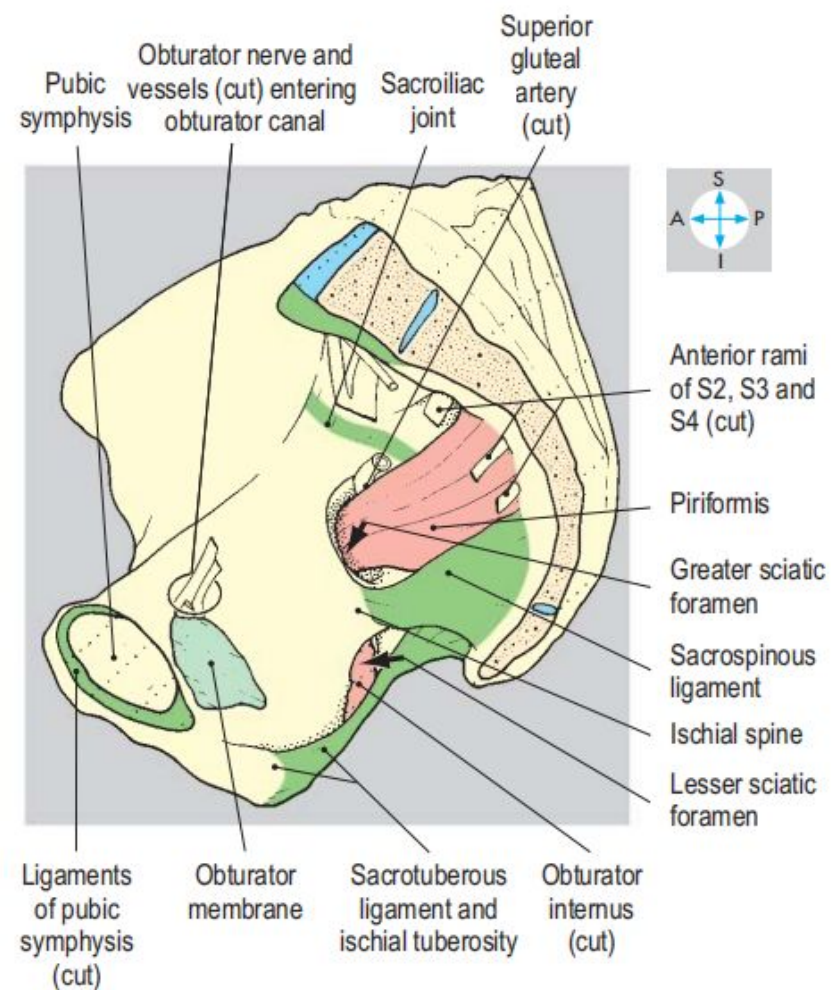
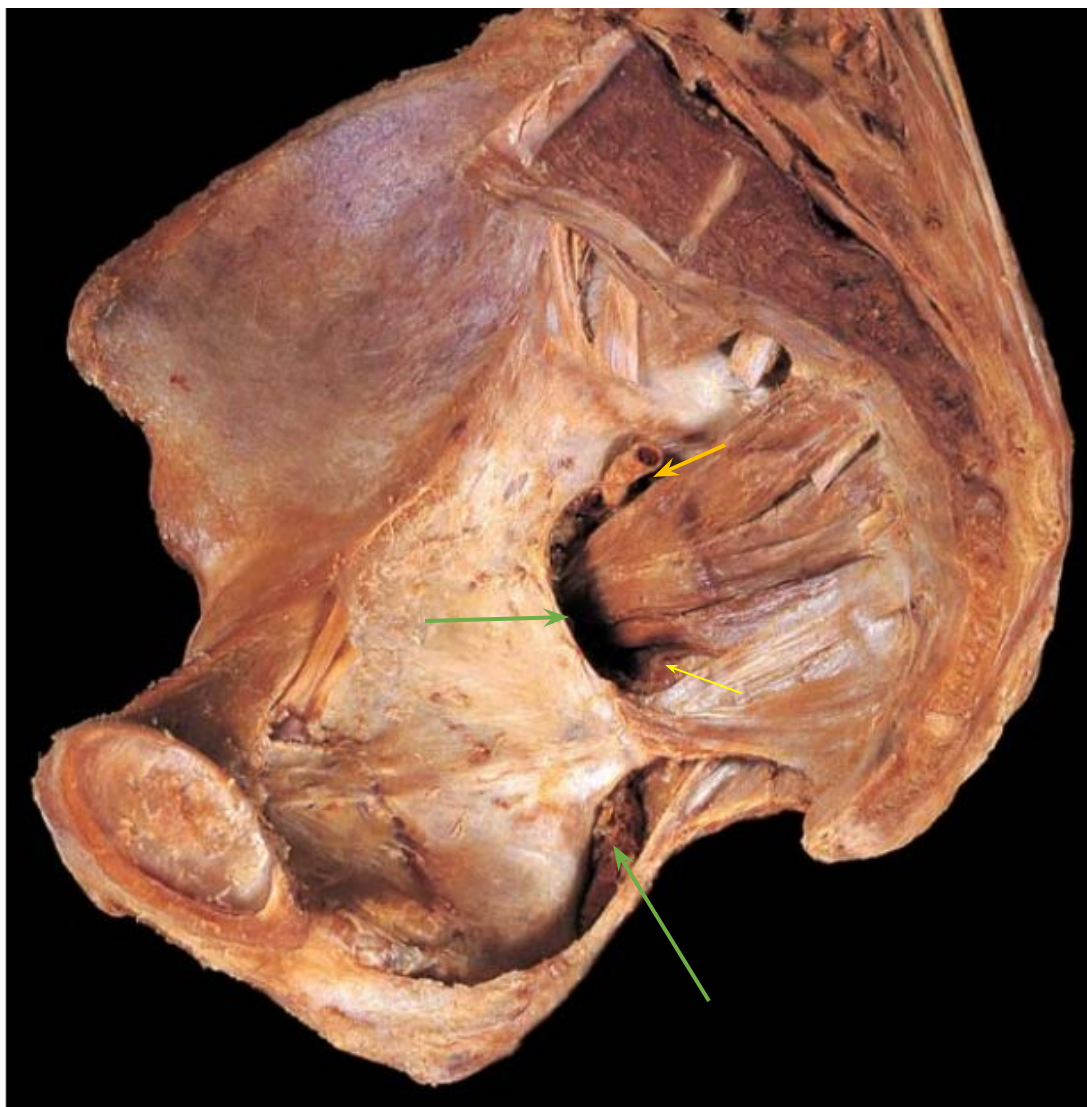
Ductus deferens  
emerging from  
deep inguinal  
ring



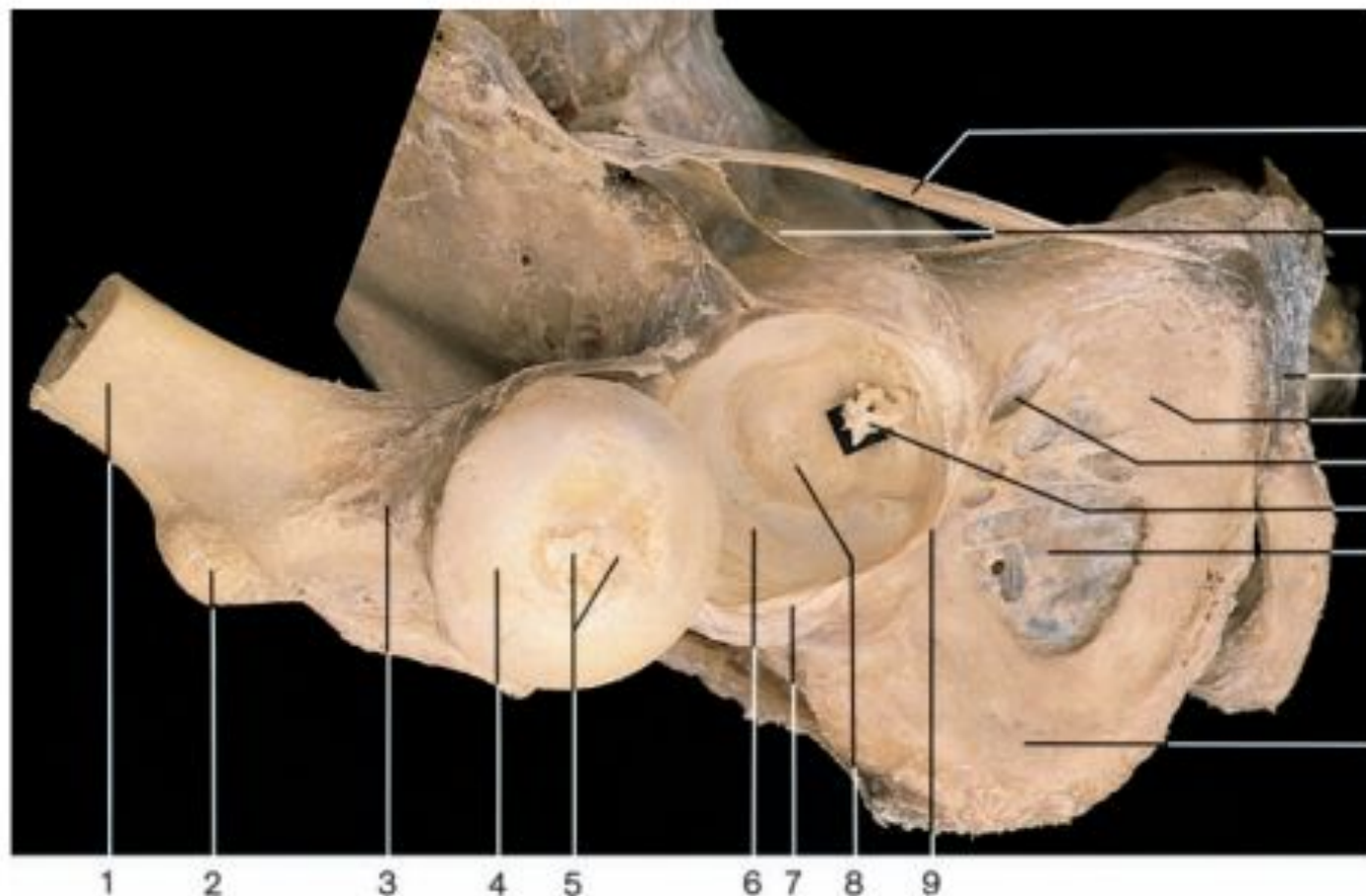
# Подвздошные артерии



# Вспоминаем седалищные отверстия



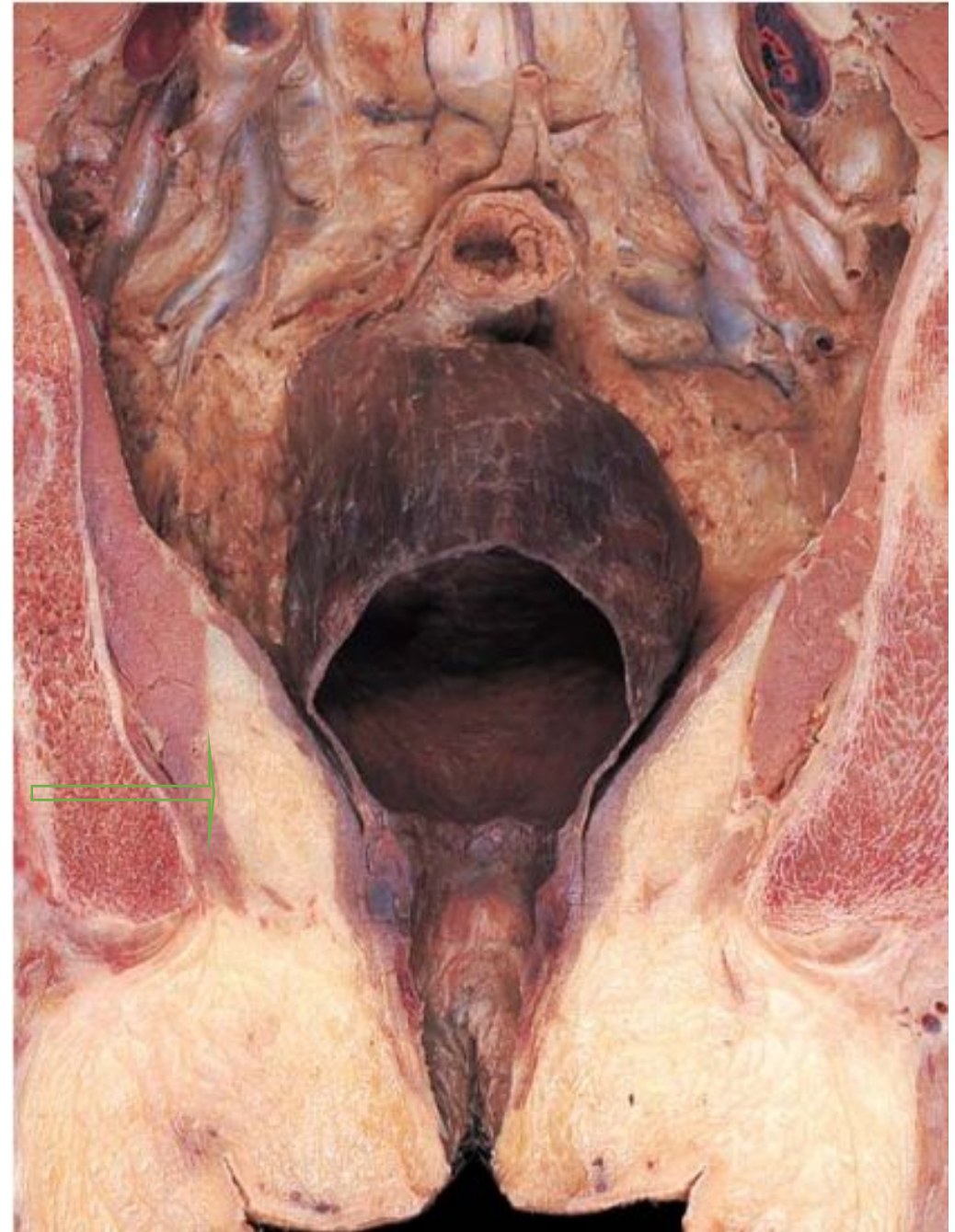
# Вспоминаем запирающий канал



- 1 Femur
- 2 Lesser trochanter
- 3 Neck of femur
- 4 Head of femur
- 5 Fovea of head  
with cut edge of ligament of head
- 6 Lunate surface of acetabulum
- 7 Acetabular lip
- 8 Acetabular fossa
- 9 Transverse acetabular ligament
- 10 Inguinal ligament
- 11 Iliopectineal arch
- 12 Pubic symphysis
- 13 Pubis
- 14 Obturator canal
- 15 Ligament of head of femur
- 16 Obturator membrane
- 17 Ischium
- 18 Anterior longitudinal ligament  
(level of fifth lumbar vertebra)
- 19 Sacral promontory

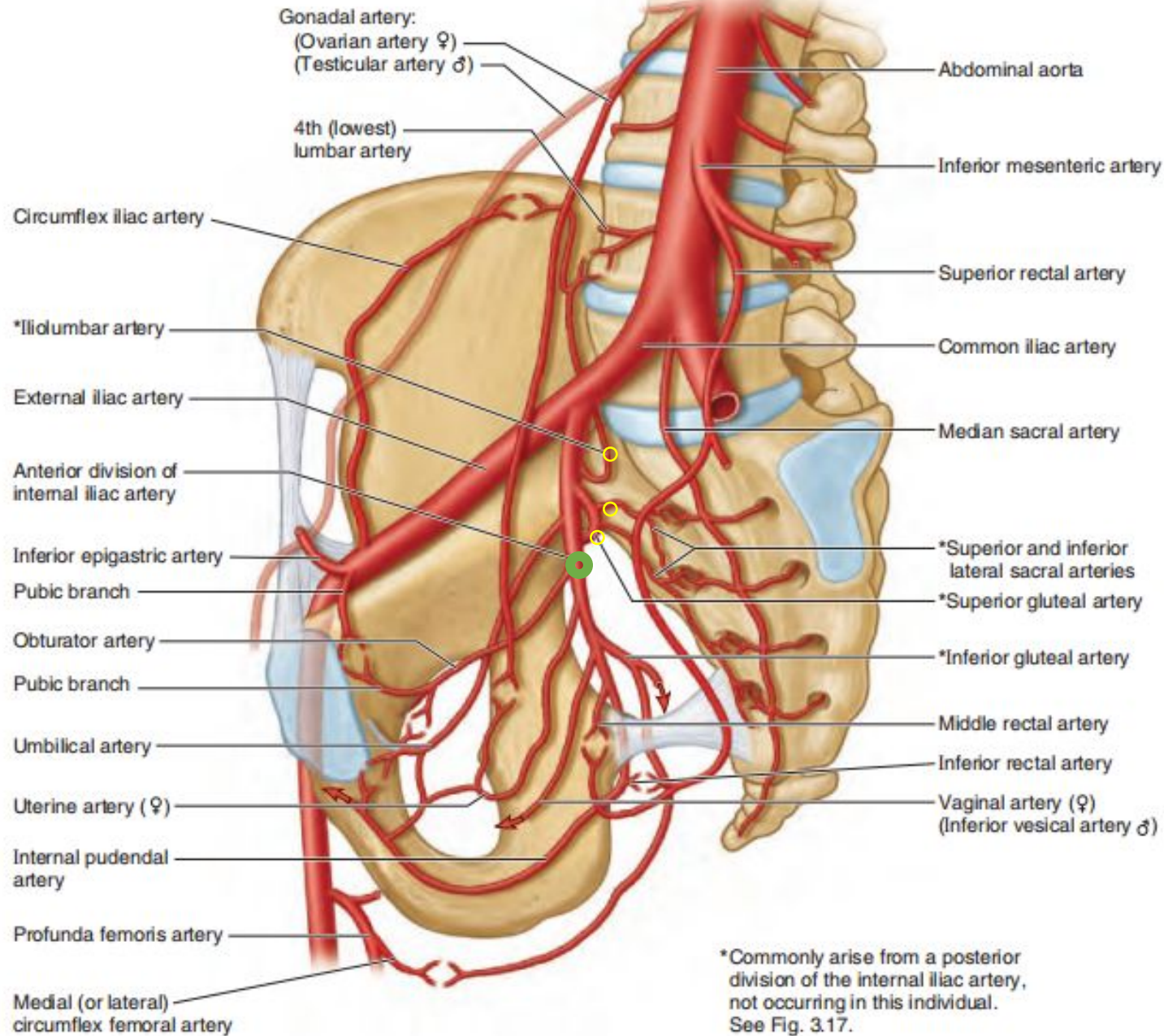


# Вспоминаем седалищно- прямокишечную ямку





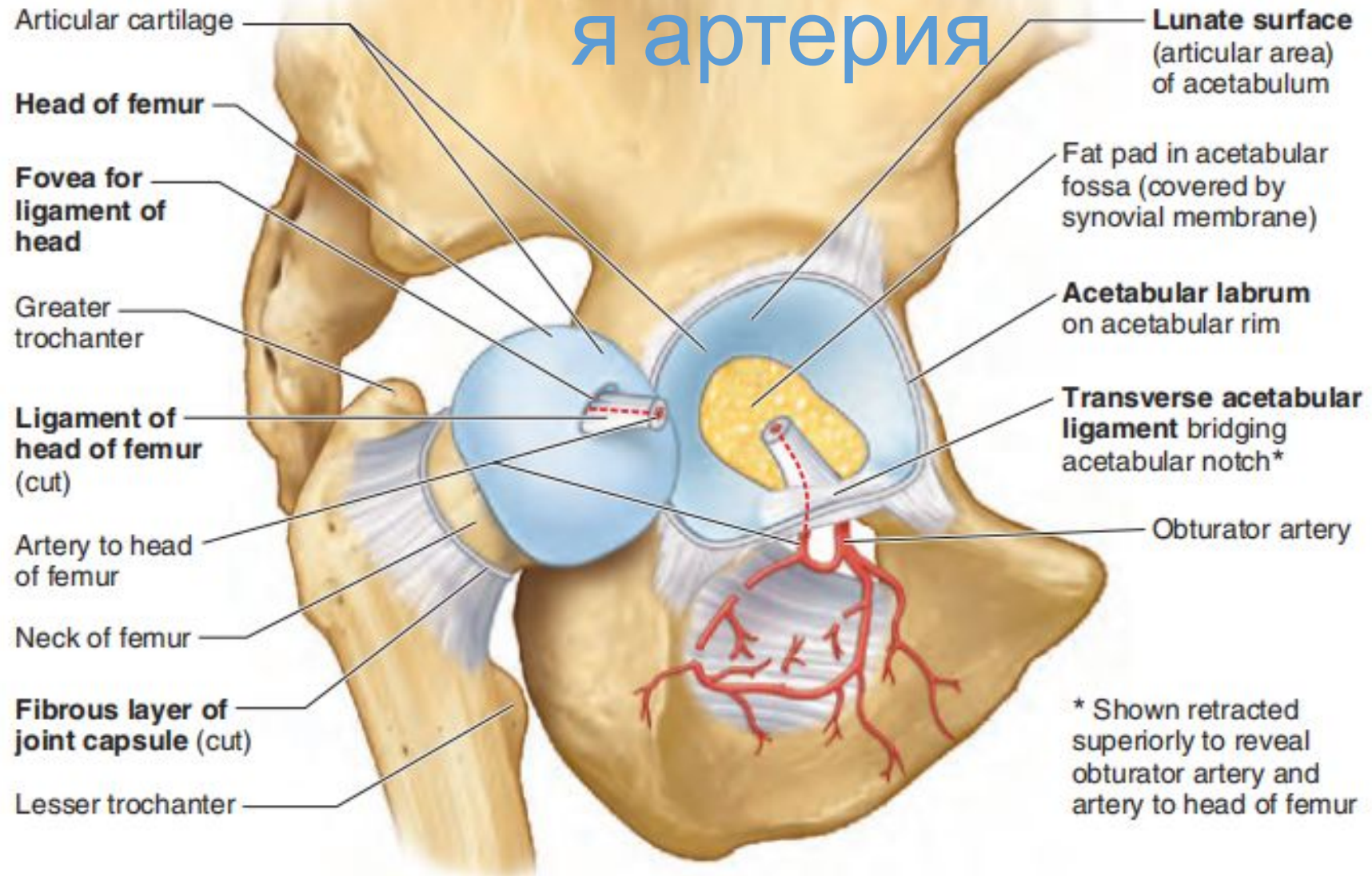
# Ветви подвздошных артерий

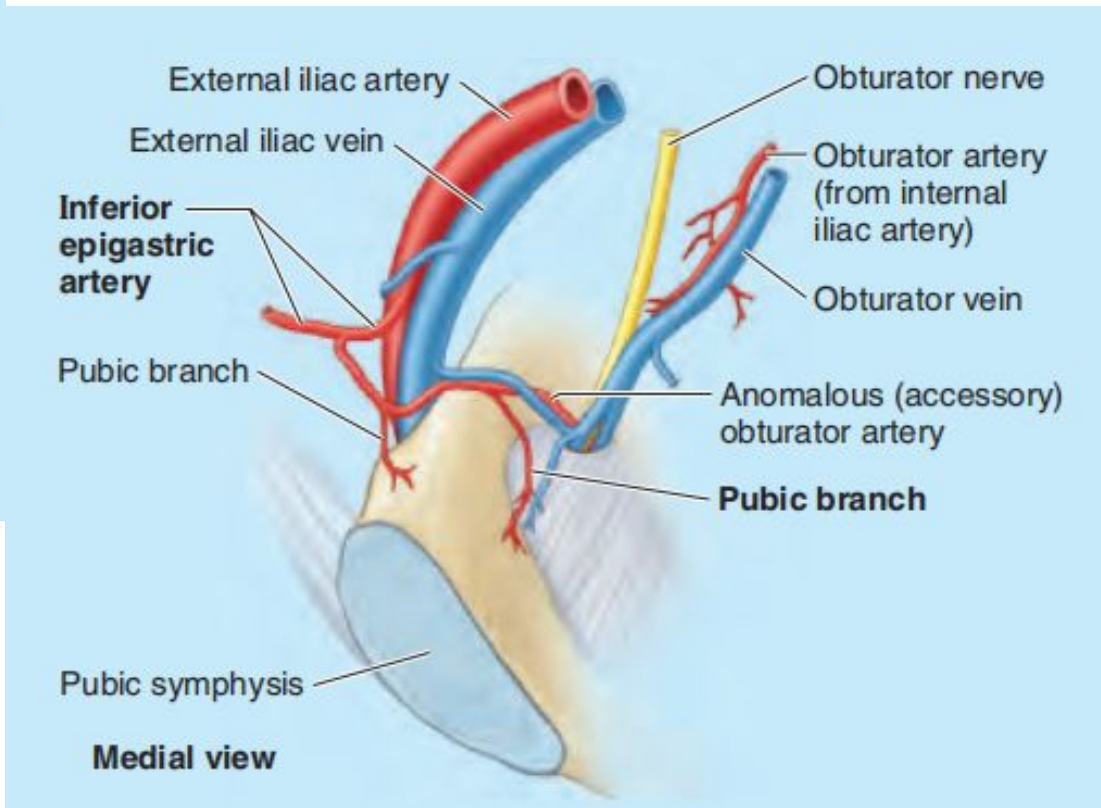
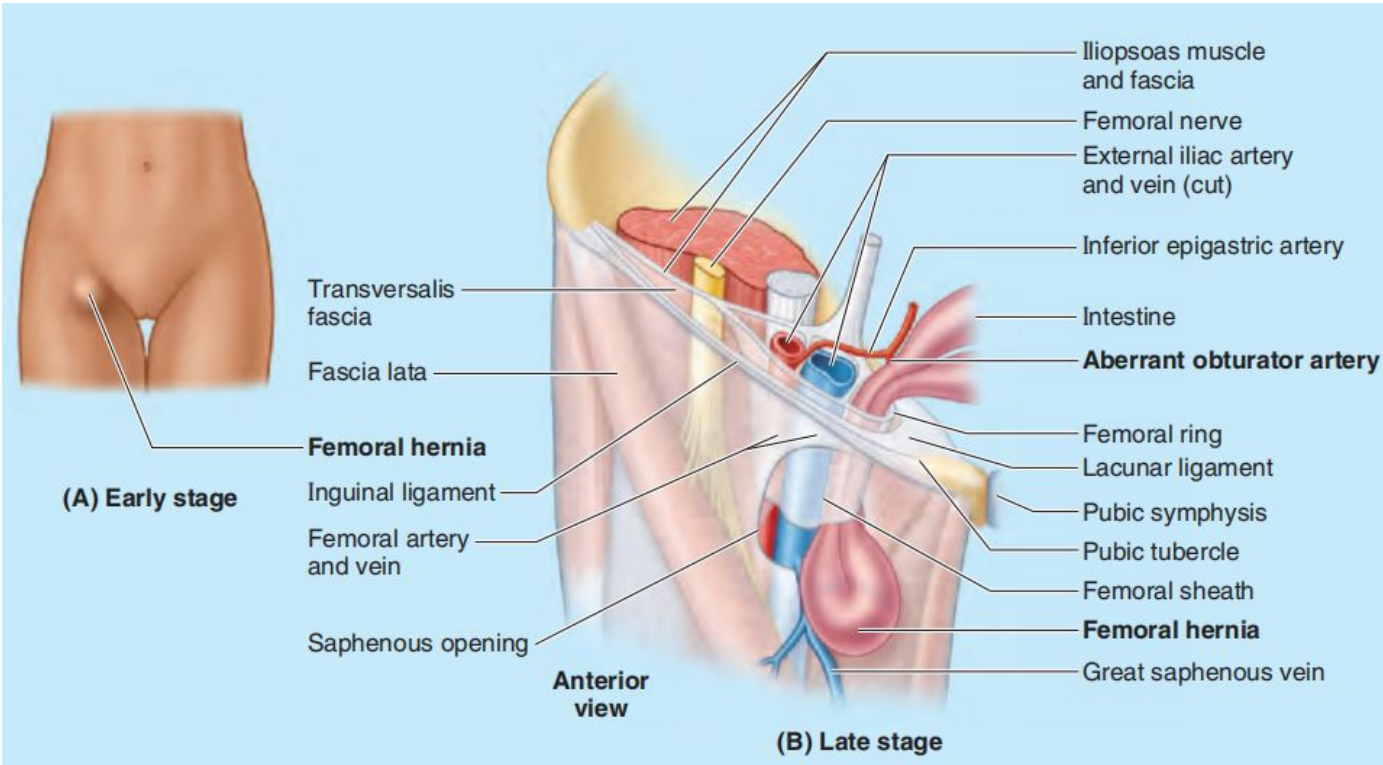


\*Commonly arise from a posterior  
 division of the internal iliac artery,  
 not occurring in this individual.  
 See Fig. 3.17.

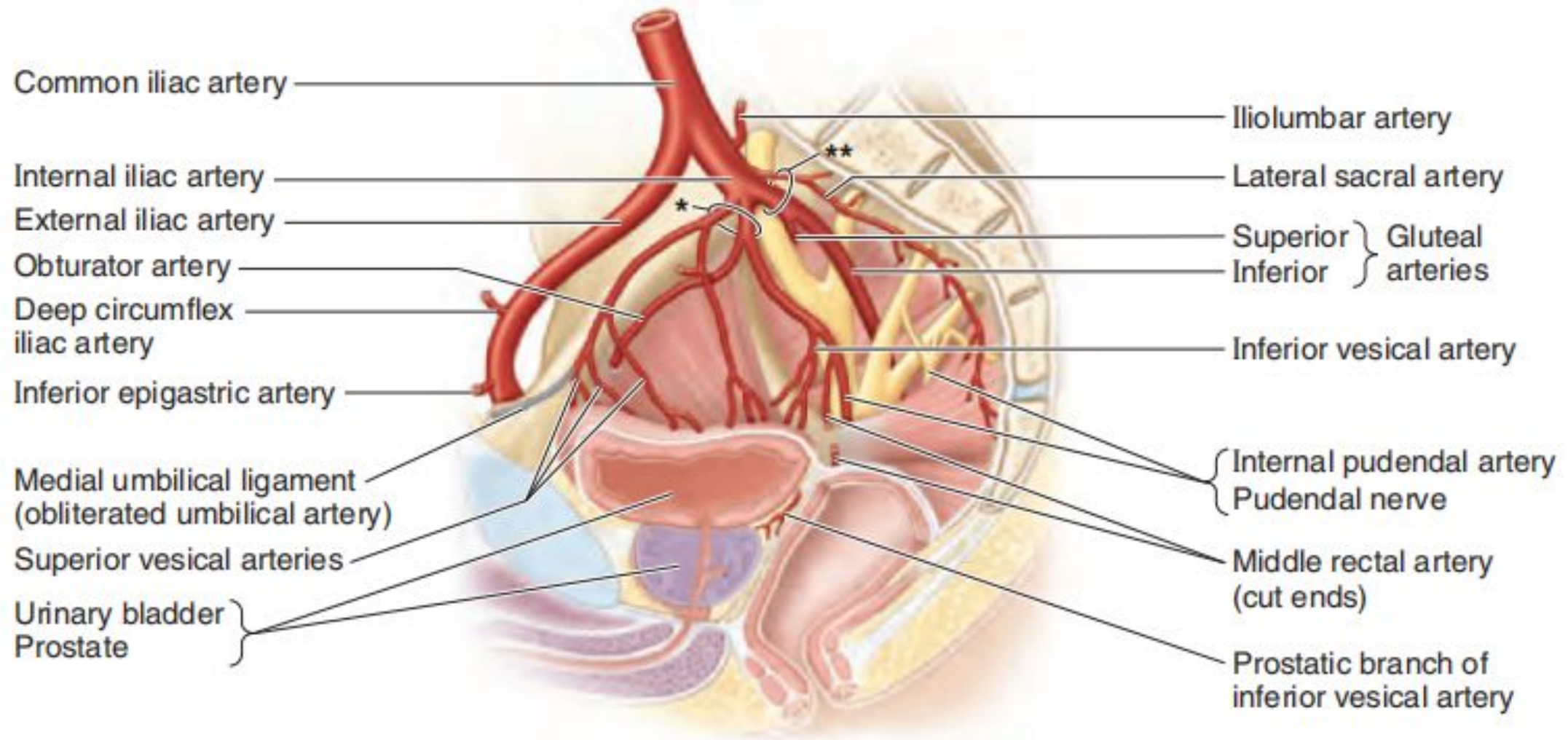


# Запирательна я артерия









Common iliac artery

Internal iliac artery

External iliac artery

Obturator artery

Deep circumflex iliac artery

Inferior epigastric artery

Medial umbilical ligament (obliterated umbilical artery)

Superior vesical arteries

Urinary bladder }  
Prostate }

Iliolumbar artery

Lateral sacral artery

Superior } Gluteal  
Inferior } arteries

Inferior vesical artery

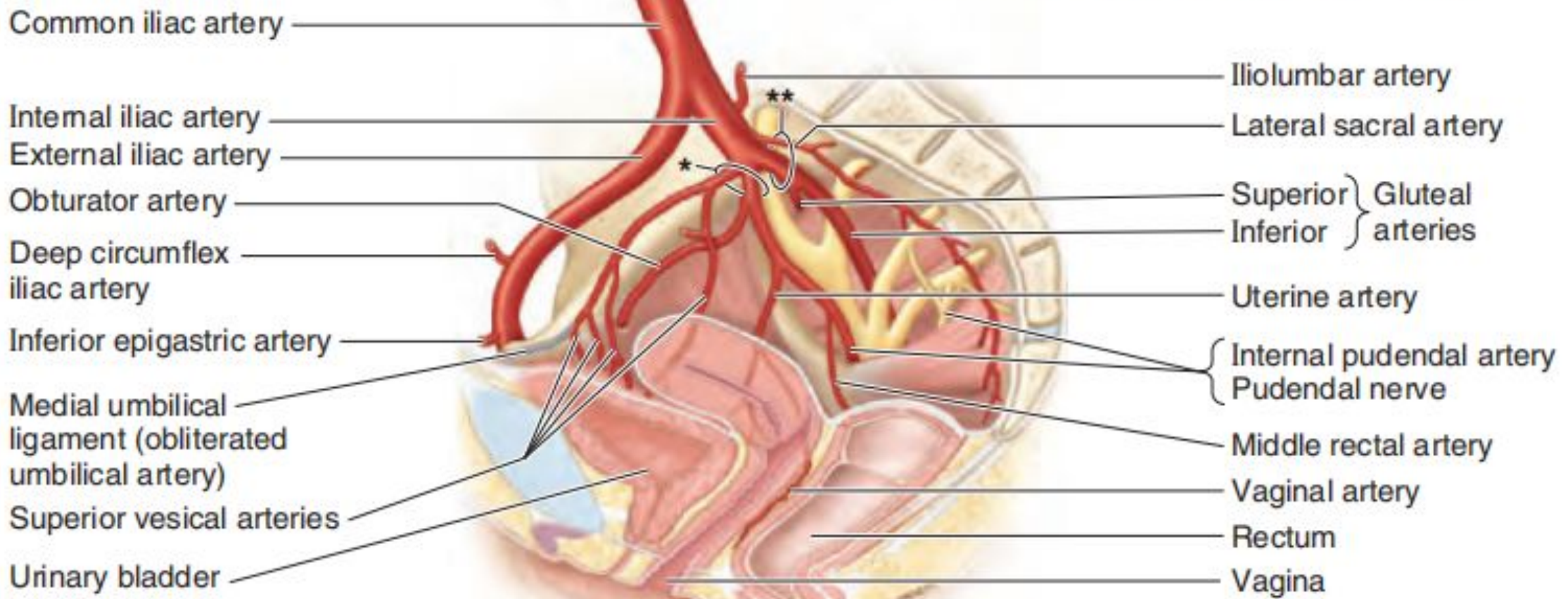
Internal pudendal artery }  
Pudendal nerve }

Middle rectal artery (cut ends)

Prostatic branch of inferior vesical artery

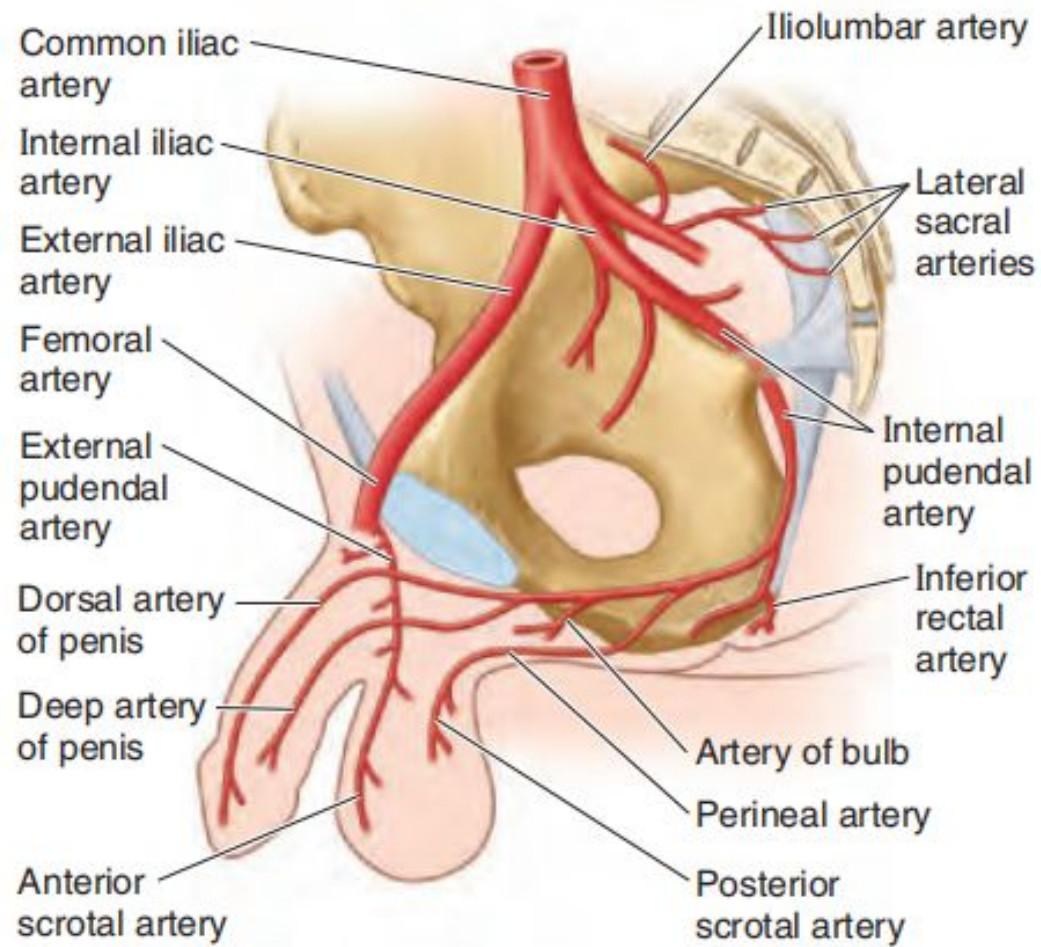
\* Anterior division of internal iliac artery  
\*\* Posterior division of internal iliac artery

\* Anterior division of internal iliac artery  
 \*\* Posterior division of internal iliac artery

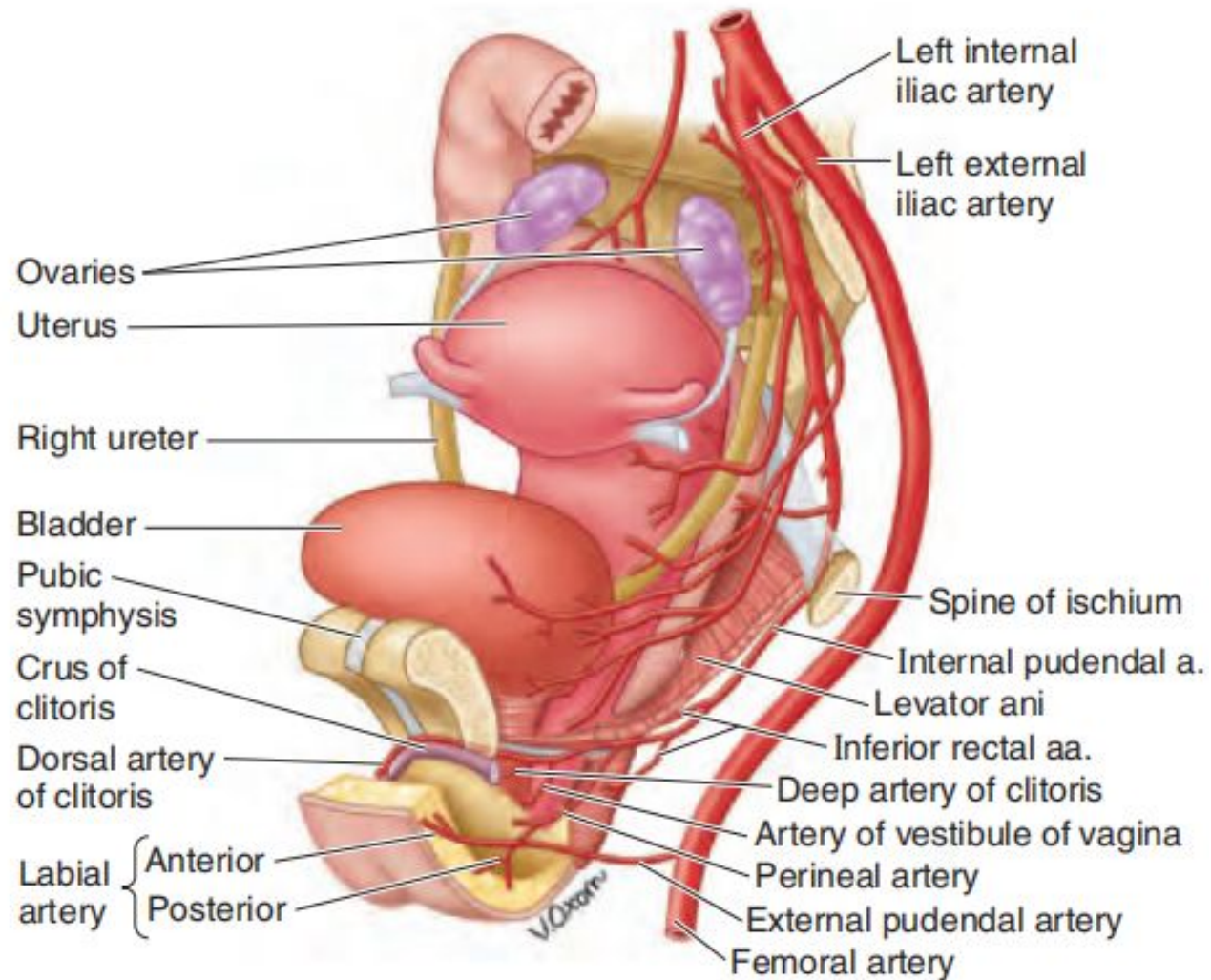


**Arteries of female pelvis**



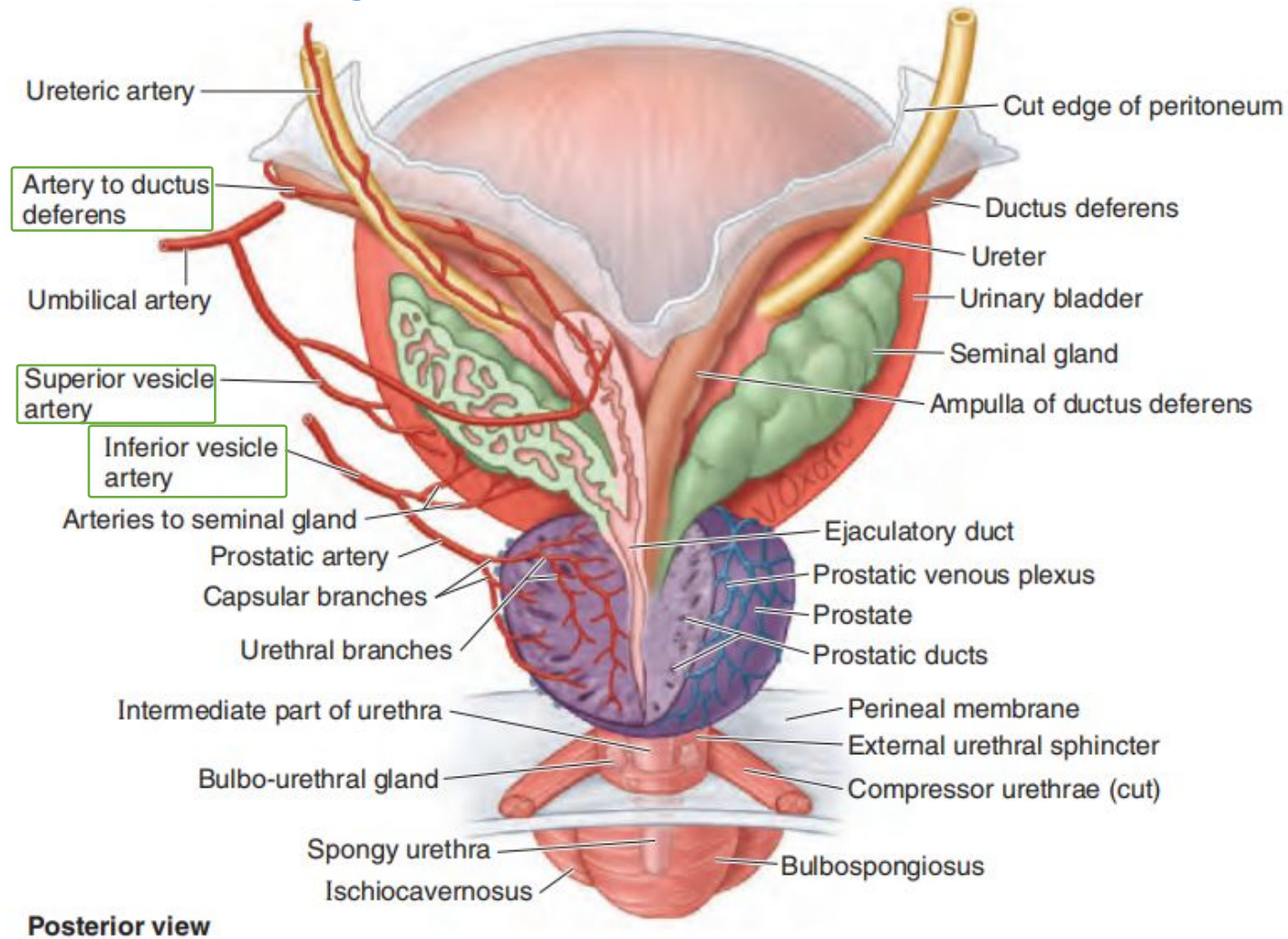


**(A) Medial view of male (from left)**

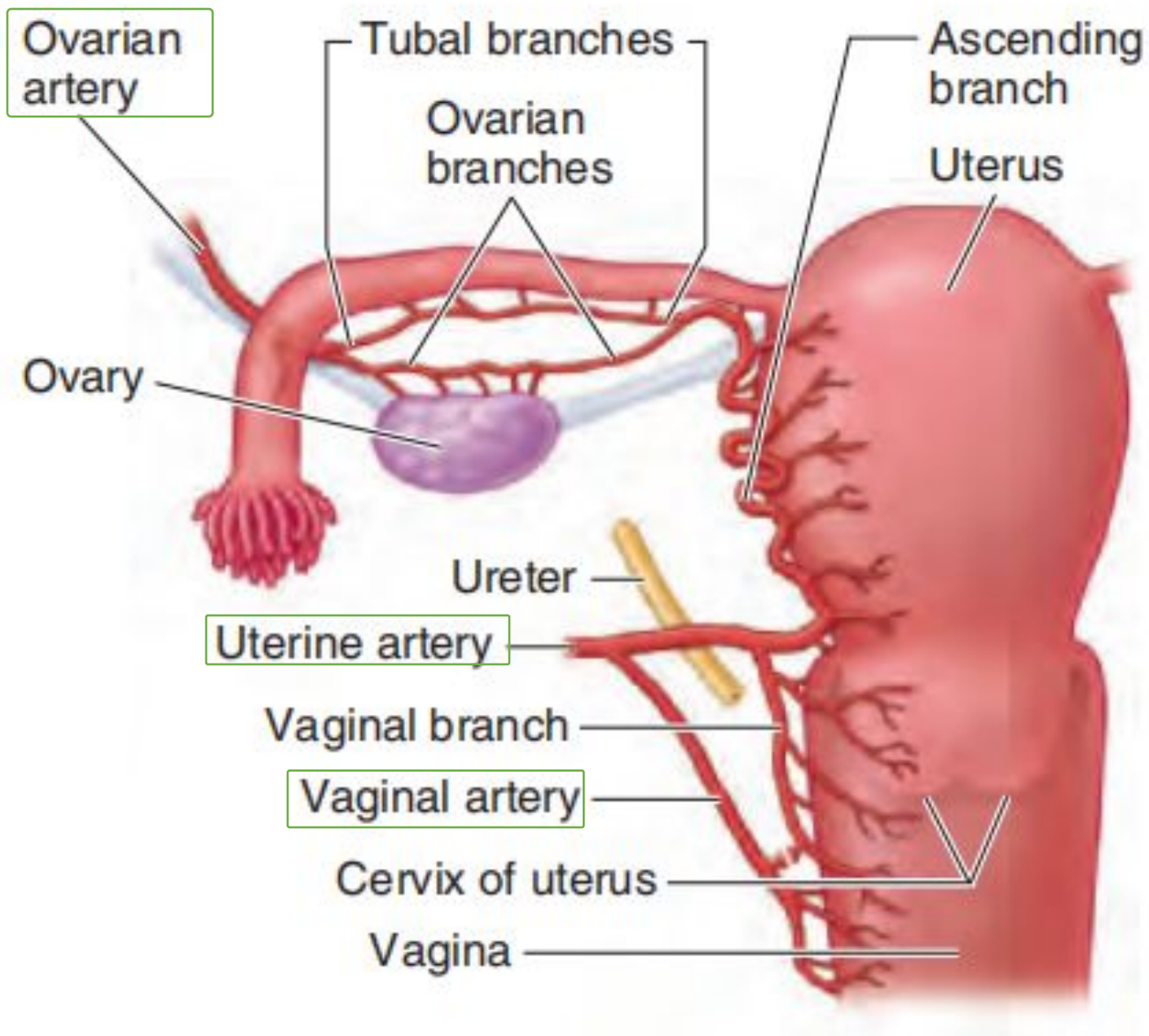


**(B) Left anterolateral view of female**

# Кровоснабжение мочевого пузыря и внутренних мужских половых органов

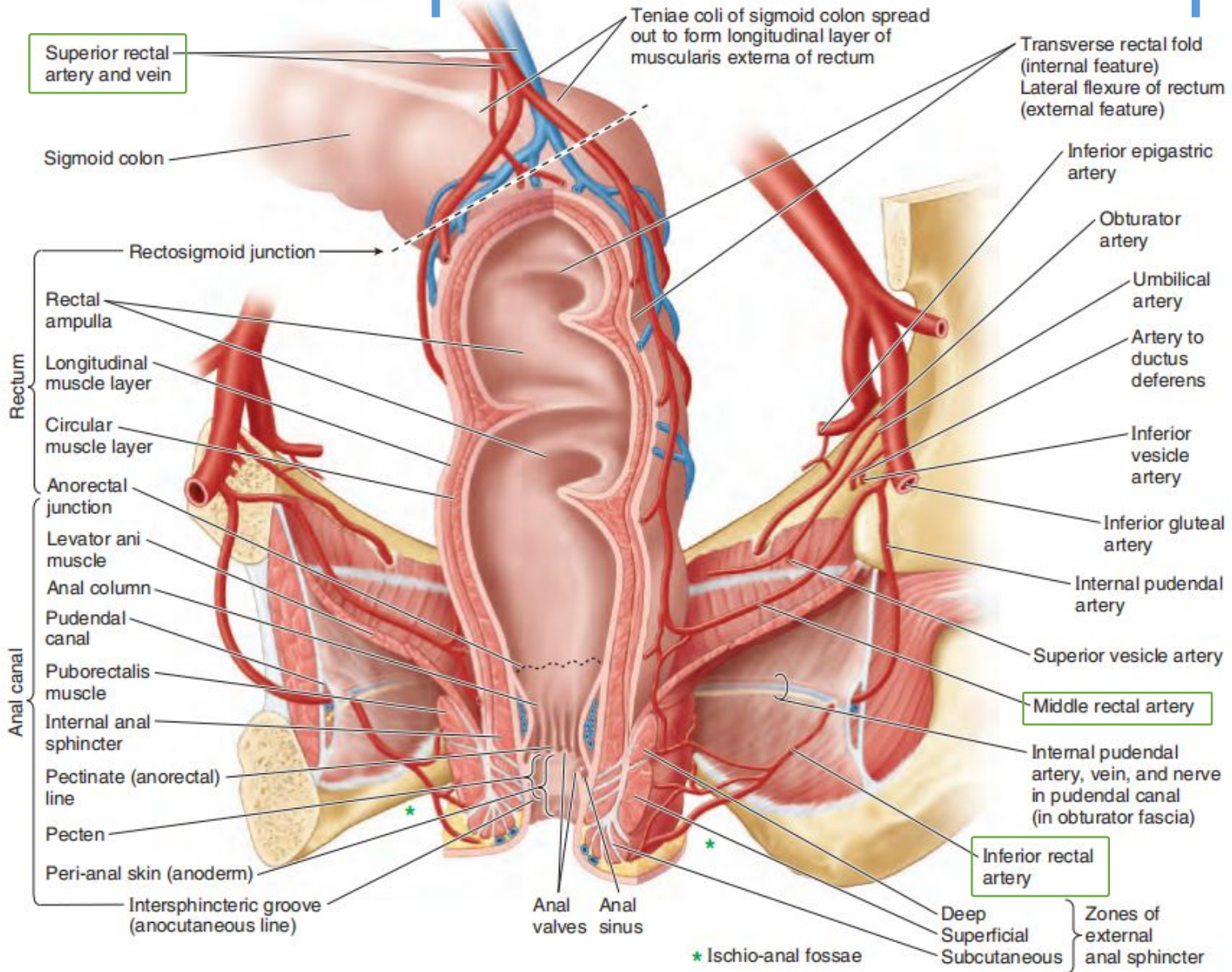






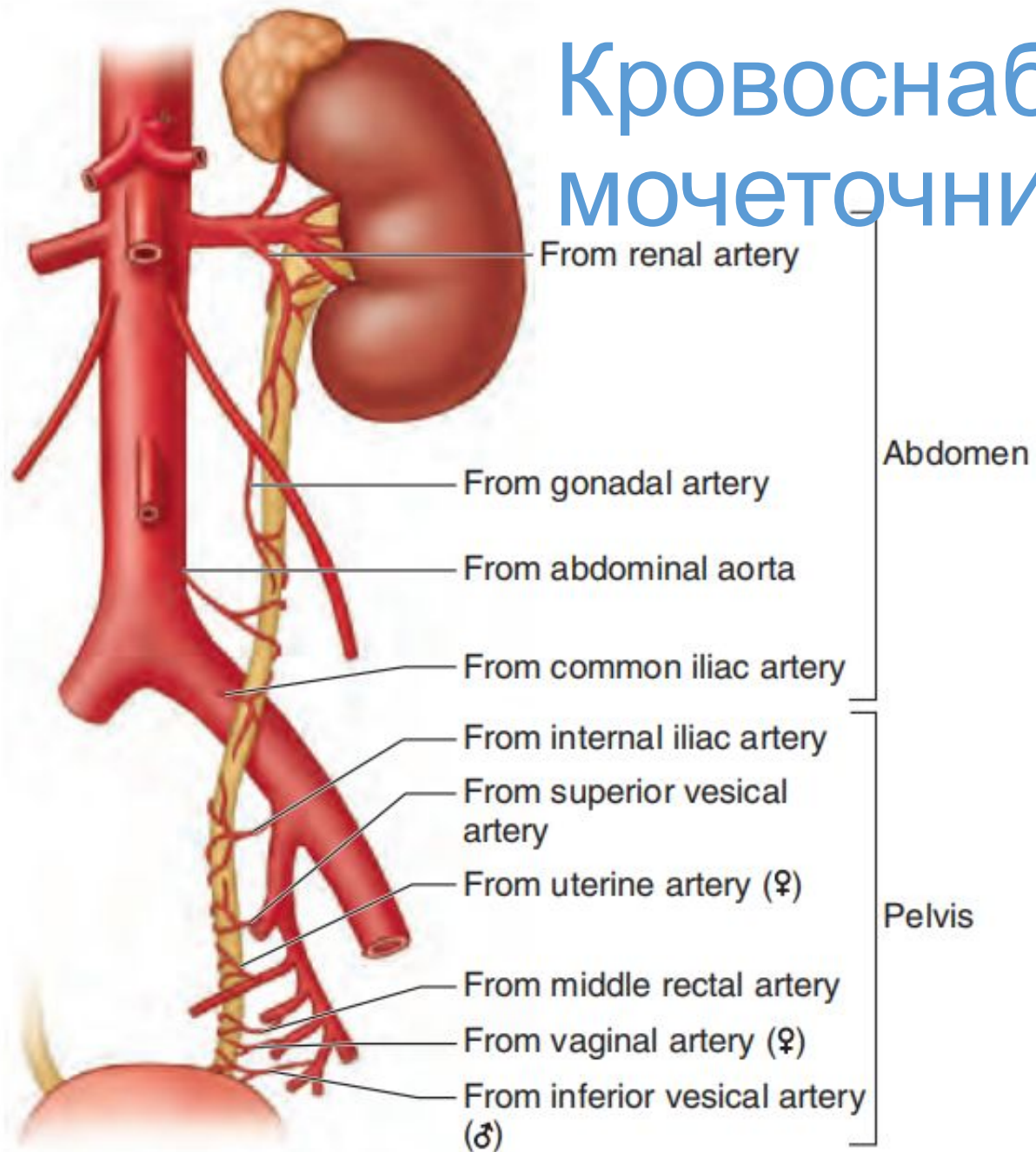
# Кровоснабжени е внутренних женских половых органов

# Кровоснабжение прямой кишки

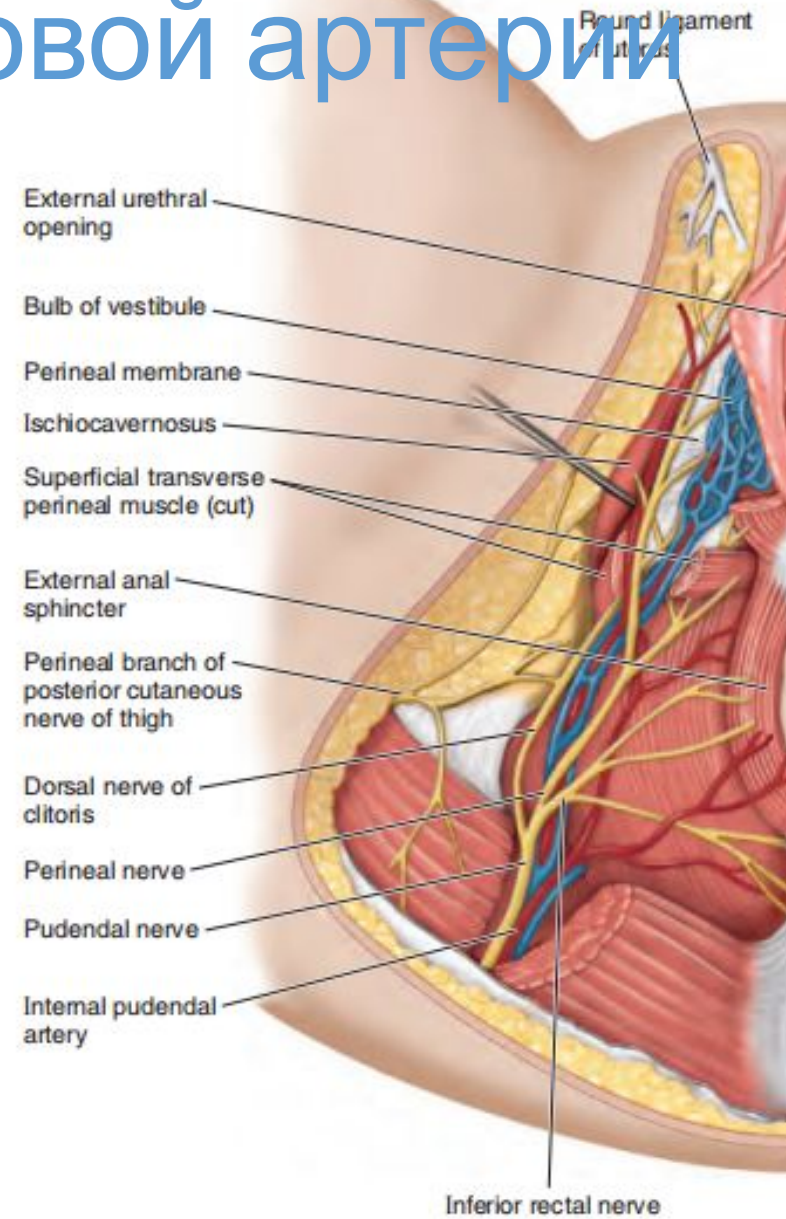
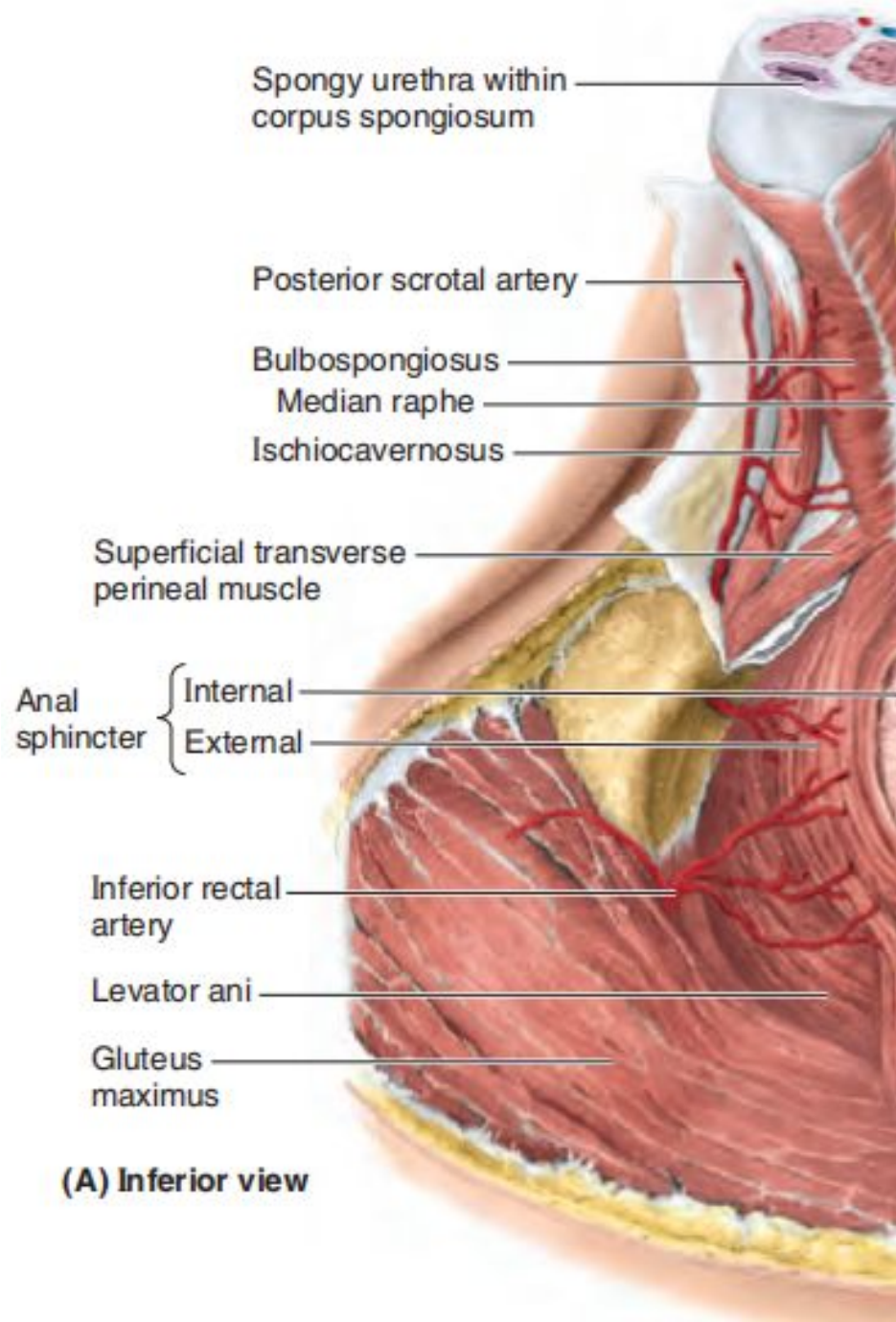




# Кровоснабжение МОЧЕТОЧНИКОВ

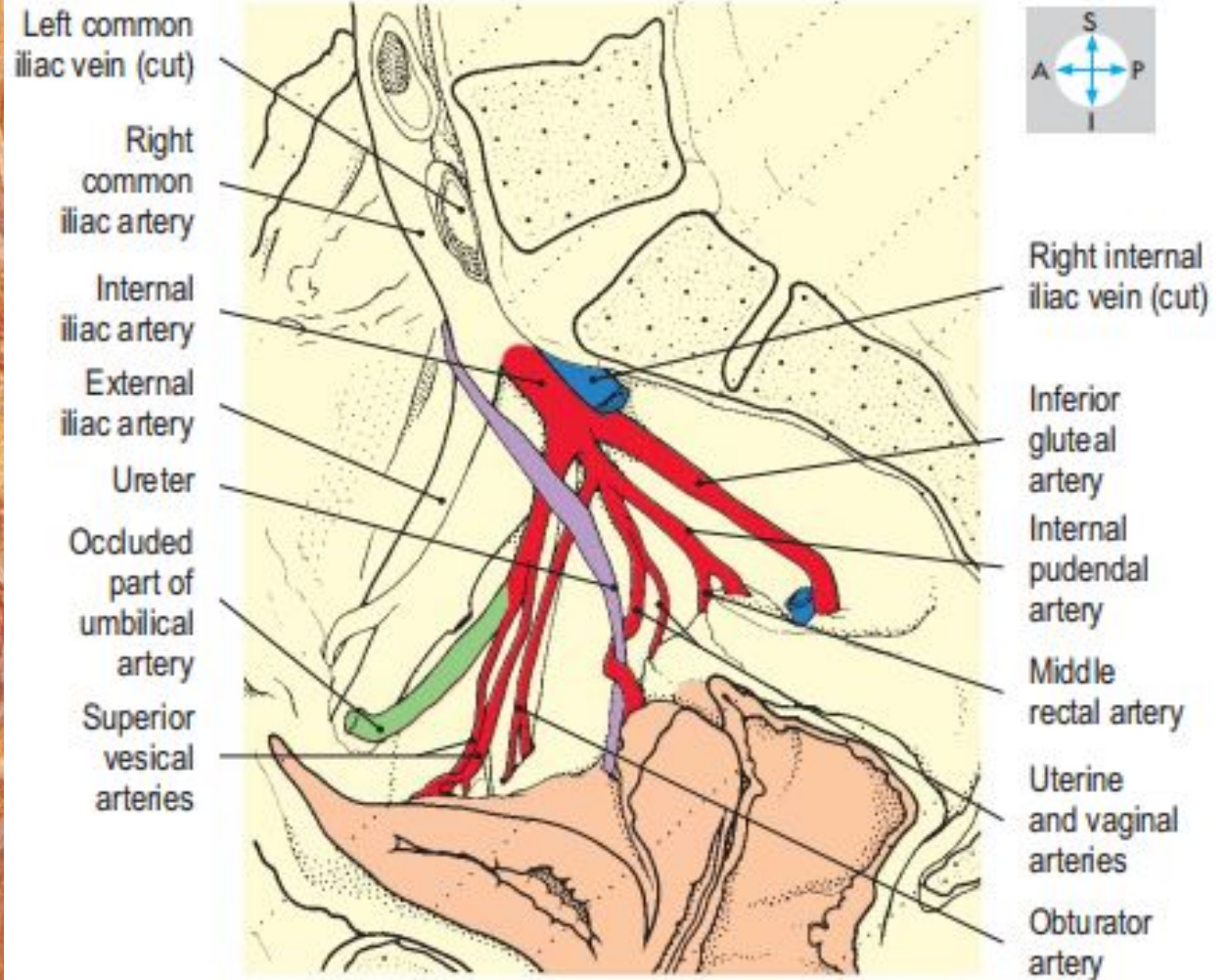


# Ветви внутренней половой артерии



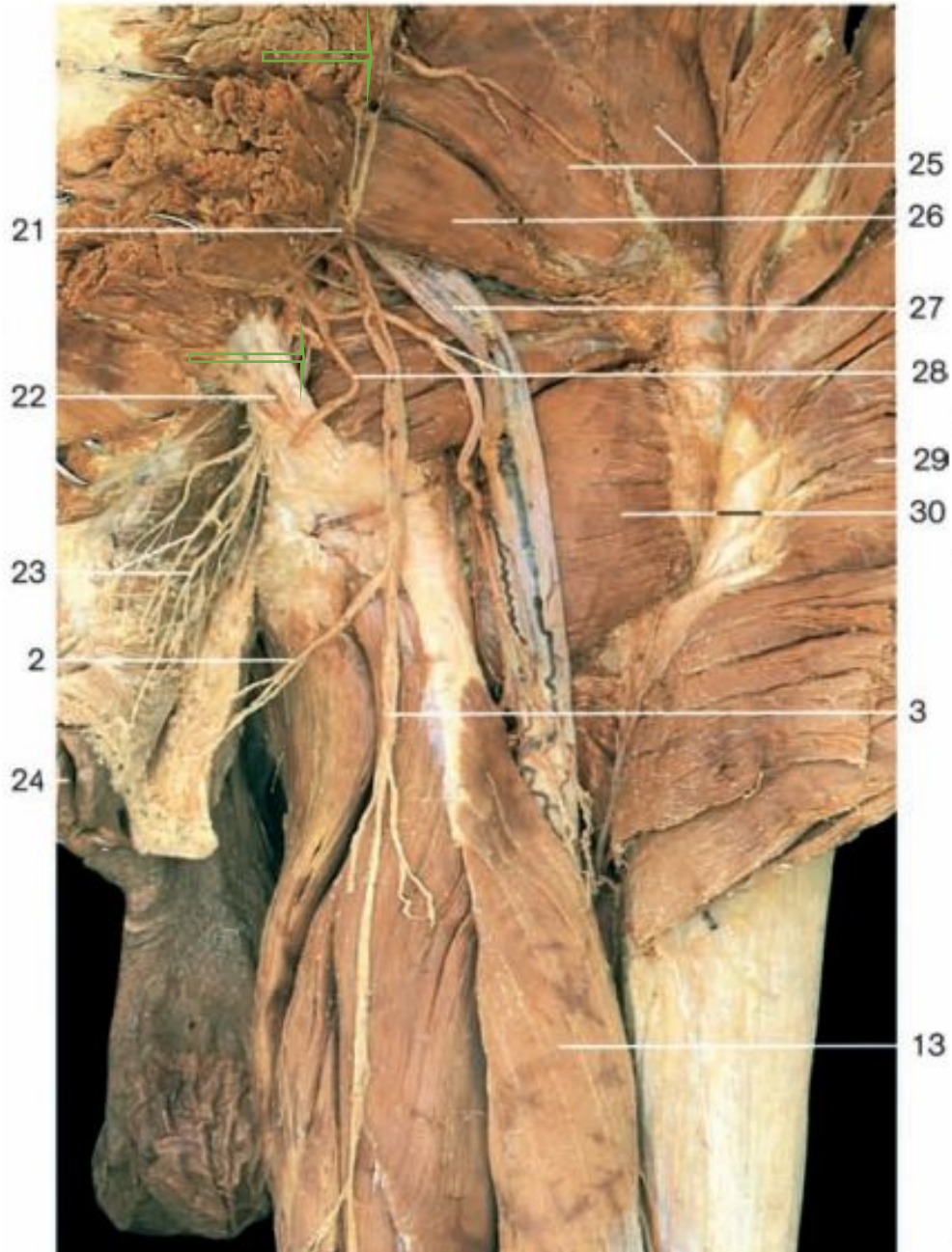


# Ветви внутренней подвздошной артерии





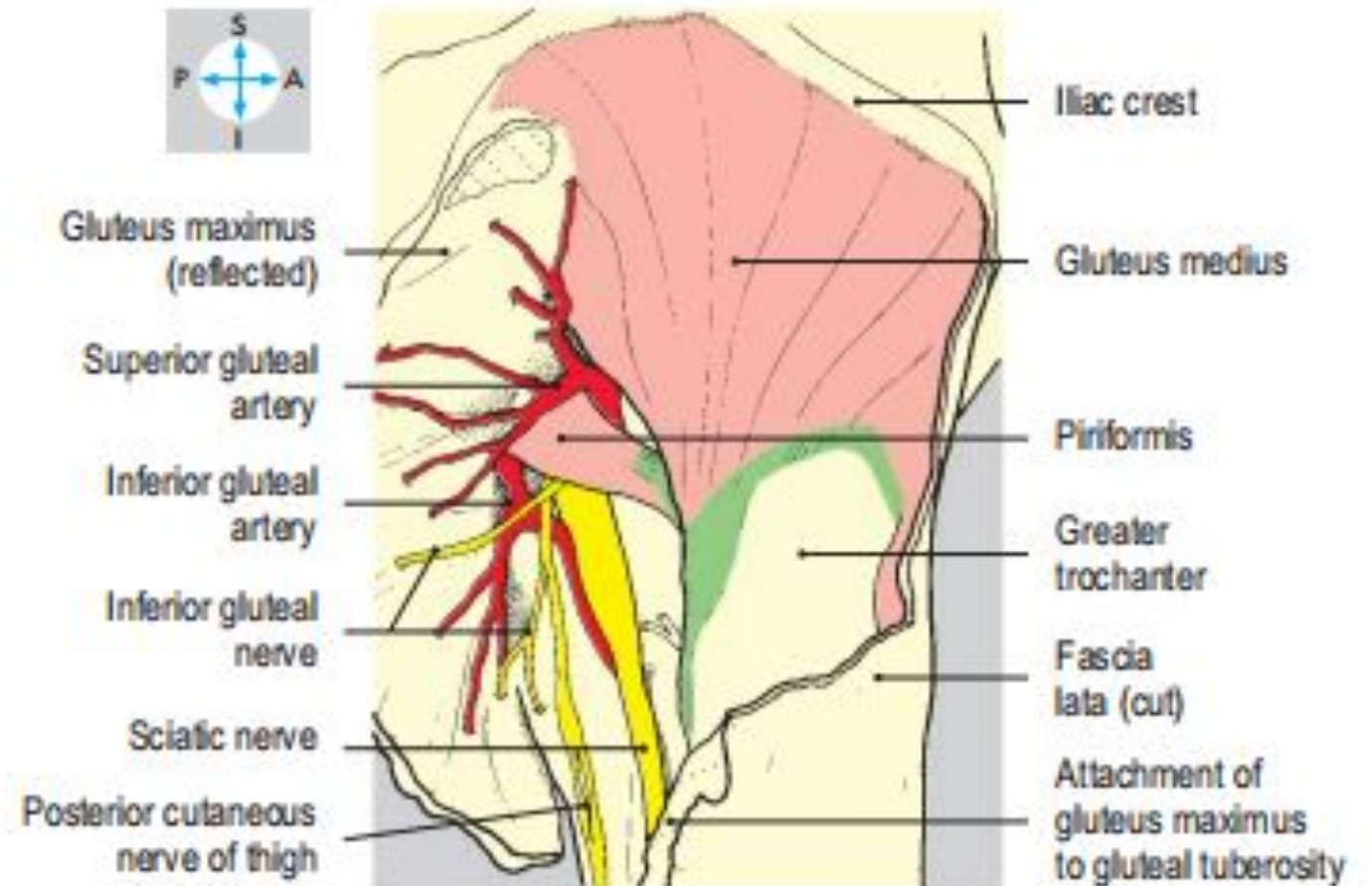
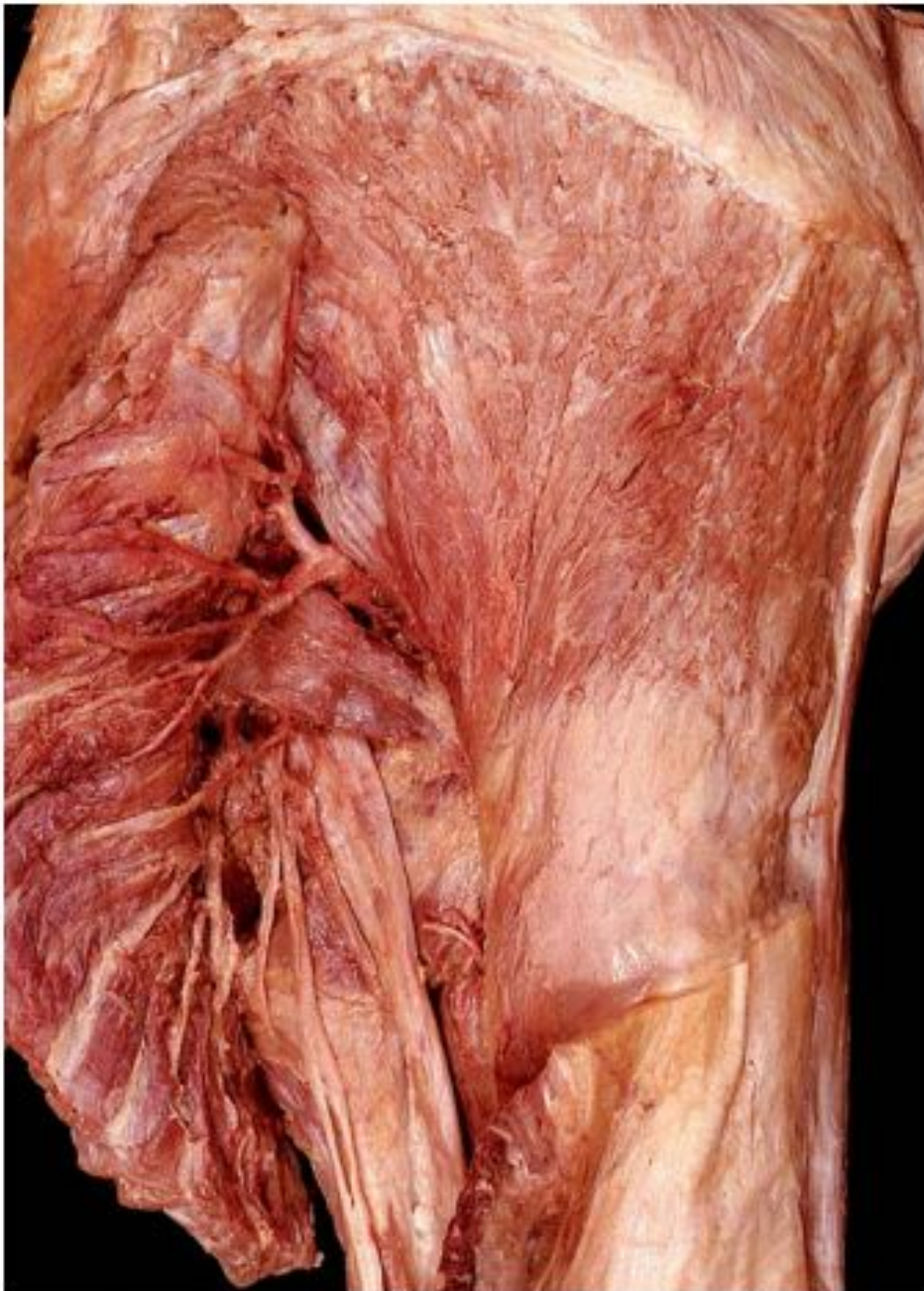
# Верхняя и нижняя ягодичные артерии



- 1 Middle cluneal nerves
- 2 Perineal branch of posterior femoral cutaneous nerve
- 3 Posterior femoral cutaneous nerve
- 4 Semimembranosus muscle
- 5 Semitendinosus muscle
- 6 Tibial nerve
- 7 Medial sural cutaneous nerve
- 8 Small saphenous vein
- 9 Medial head of gastrocnemius muscle
- 10 Gluteus maximus muscle
- 11 Inferior cluneal nerves
- 12 Cutaneous veins
- 13 Long head of biceps femoris muscle
- 14 Iliotibial tract
- 15 Short head of biceps femoris muscle
- 16 Popliteal fossa
- 17 Lateral sural cutaneous nerve
- 18 Lateral head of gastrocnemius muscle
- 19 Common fibular nerve
- 20 Tendon of biceps femoris muscle
- 21 Inferior gluteal nerve
- 22 Sacrotuberous ligament
- 23 Inferior rectal branches of pudendal nerve
- 24 Anus
- 25 Gluteus medius muscle
- 26 Piriformis muscle
- 27 Sciatic nerve
- 28 Inferior gluteal artery
- 29 Gluteus maximus muscle (cut)
- 30 Quadratus femoris muscle
- 31 Sciatic nerve dividing into its two branches  
(the common fibular nerve and the tibial nerve)
- 32 Muscular branches of sciatic nerve to the ischiocrural muscles

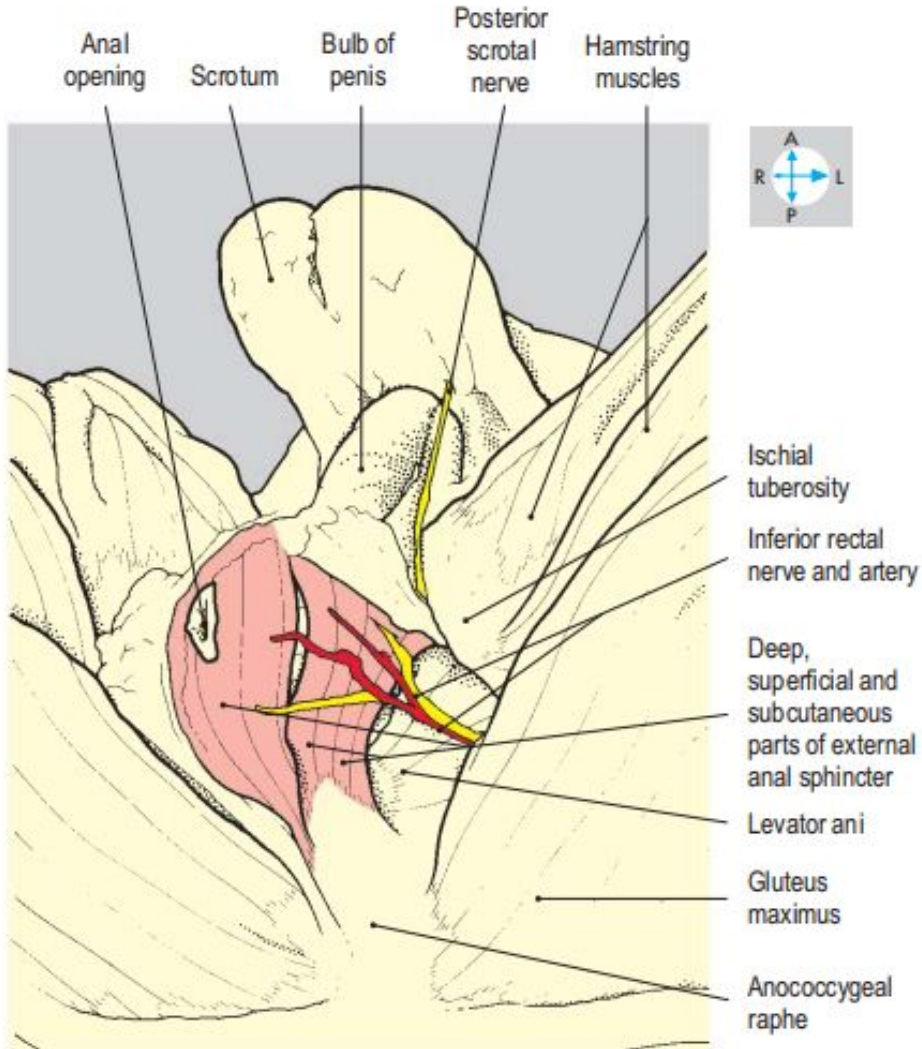


# Верхняя и нижняя ягодичные артерии





# Нижняя прямокишечная артерия





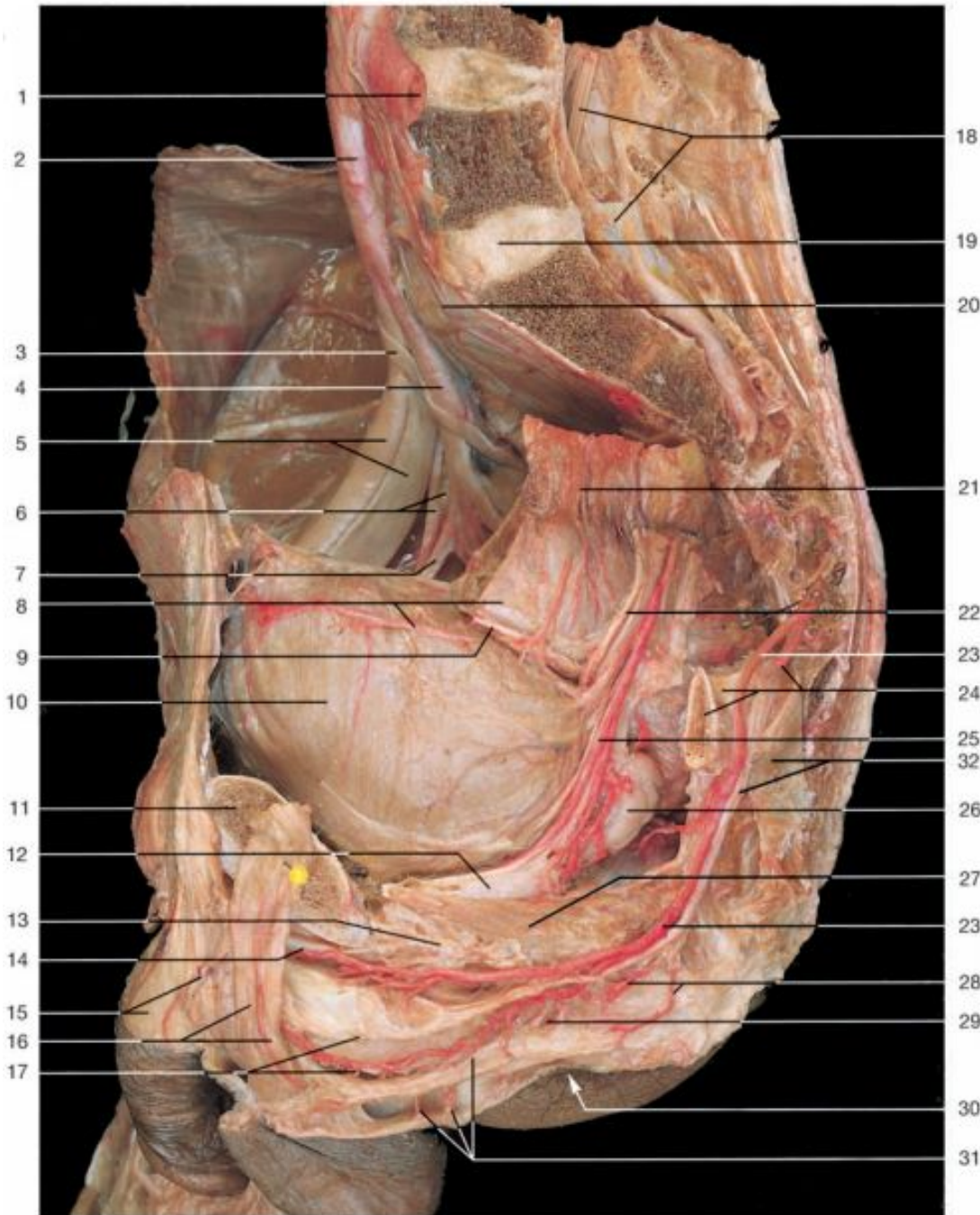


- 1 Internal iliac artery
- 2 External iliac artery
- 3 Ureter
- 4 Obturator nerve
- 5 Umbilical artery
- 6 Deep inguinal ring
- 7 Urinary bladder (vesica urinaria)
- 8 Symphysis
- 9 Prostatic part of urethra
- 10 Sphincter muscle of urethra
- 11 Urethra (spongy part)
- 12 Cavernous body of penis
- 13 Glans penis
- 14 Sacrum
- 15 Promontory
- 16 Lateral sacral artery
- 17 Plexus sacralis
- 18 Inferior gluteal artery
- 19 Internal pudendal artery
- 20 Obturator artery
- 21 Inferior hypogastric plexus
- 22 Ductus deferens
- 23 Seminal vesicle (vesicula seminalis)
- 24 Rectum
- 25 Prostatic venous plexus
- 26 Prostate
- 27 Anal canal
- 28 Spongy part of penis
- 29 Pampiniform plexus
- 30 Testis and epididymis
- 31 Common iliac artery
- 32 Umbilical artery
- 33 Medial umbilical ligament
- 34 Branches of superior vesical artery
- 35 Urogenital diaphragm
- 36 Deep artery of penis

# Ветви внутренней подвздошной артерии



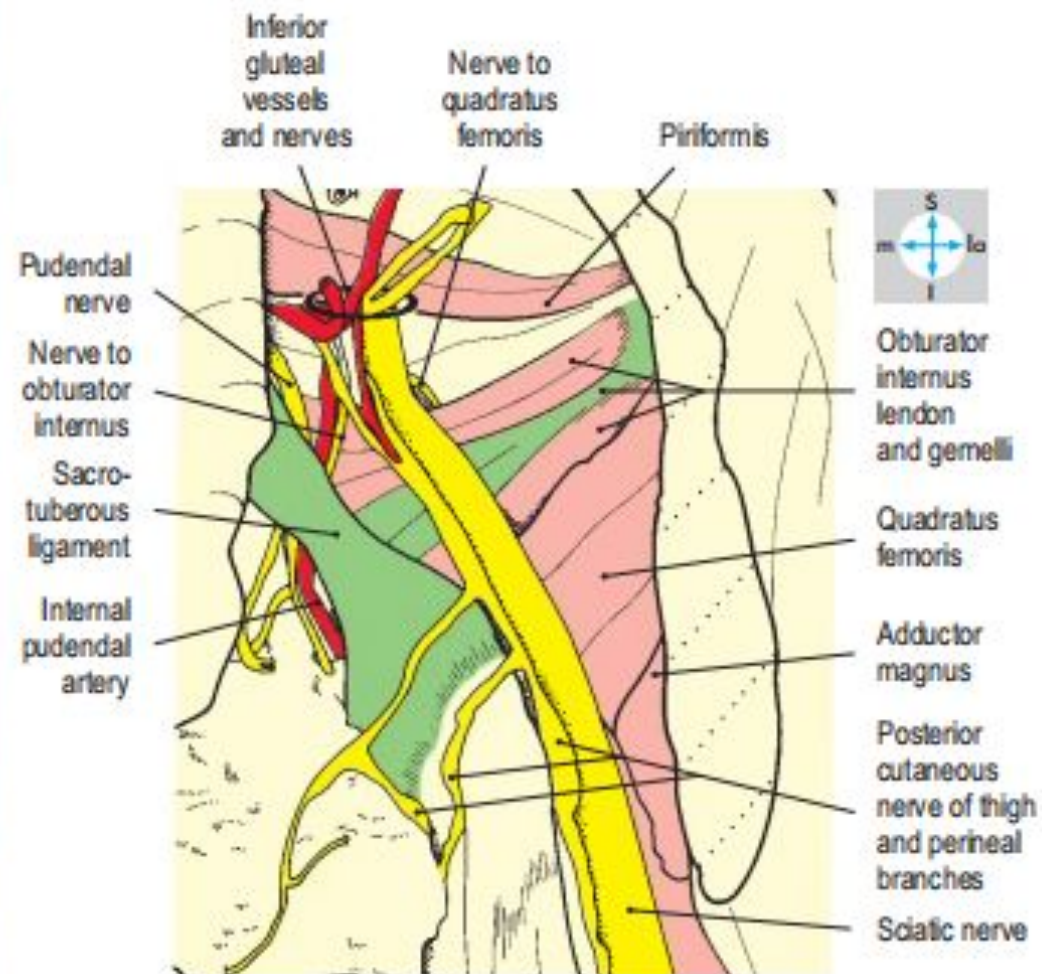
# Внутренняя половая артерия



- |    |  |    |  |
|----|--|----|--|
| 1  | Left common iliac artery                             | 18 | Cauda equina and dura mater (divided)                                  |
| 2  | Right common iliac artery                            | 19 | Intervertebral disc between fifth lumbar vertebra and sacrum           |
| 3  | Right ureter   | 20 | Sacral promontory  |
| 4  | Right internal iliac artery                          | 21 | Mesosigmoid  |
| 5  | Right external iliac artery and vein                 | 22 | Left ureter  |
| 6  | Right obturator artery and nerve                     | 23 | Left internal pudendal artery  |
| 7  | Umbilical artery                                     | 24 | Ischial spine (cut), sacrospinal ligament, and inferior gluteal artery |
| 8  | Sigmoid and superior vesical artery                  | 25 | Left inferior vesical artery   |
| 9  | Left ductus deferens                                 | 26 | Seminal vesicle  |
| 10 | Urinary bladder                                      | 27 | Levator ani muscle   |
| 11 | Pubis (cut)  | 28 | Branches of inferior rectal artery                                     |
| 12 | Prostate   | 29 | Perineal artery  |
| 13 | Vesicoprostatic venous plexus                        | 30 | Anus   |
| 14 | Deep dorsal vein of penis and dorsal artery of penis | 31 | Posterior scrotal branches   |
| 15 | Penis and superficial dorsal vein                    | 32 | Pudendal nerve and sacrotuberous ligament                              |
| 16 | Spermatic cord and testicular artery                 |    |  |
| 17 | Bulb of penis and deep artery of penis               |    |  |



# Внутренняя половая артерия



Конец