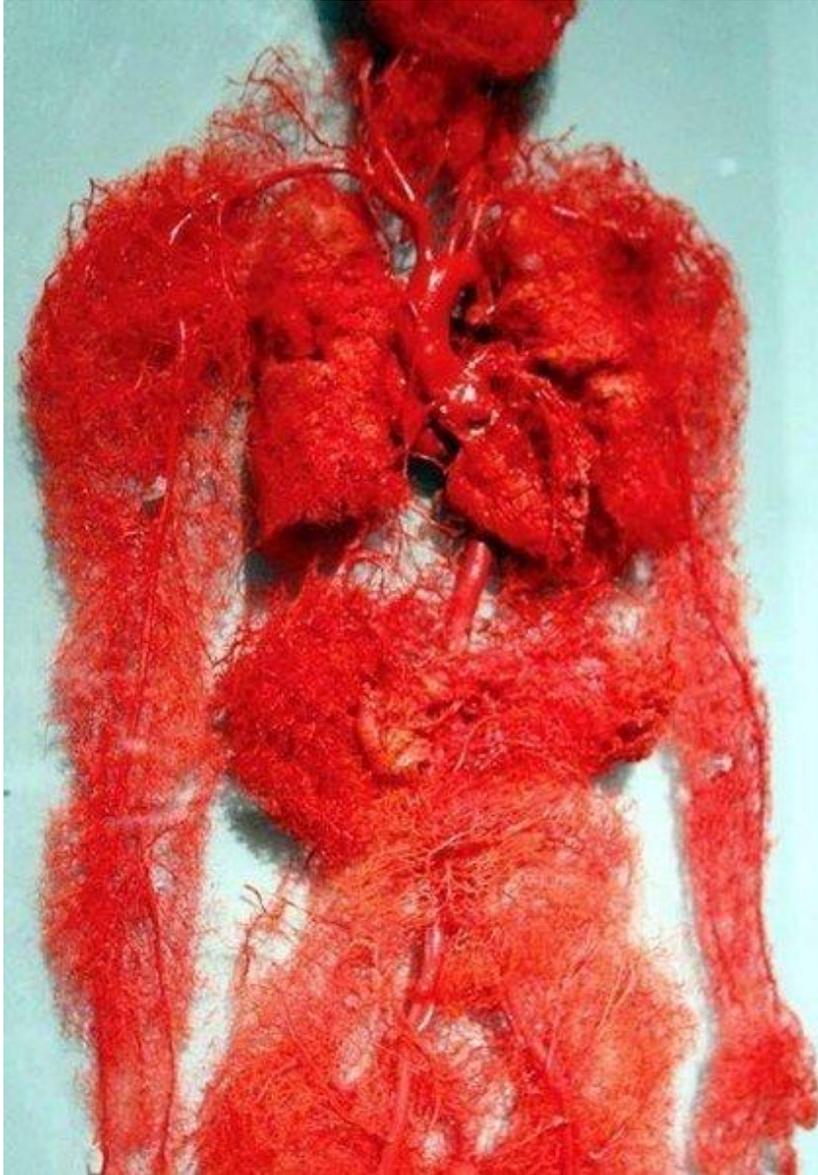


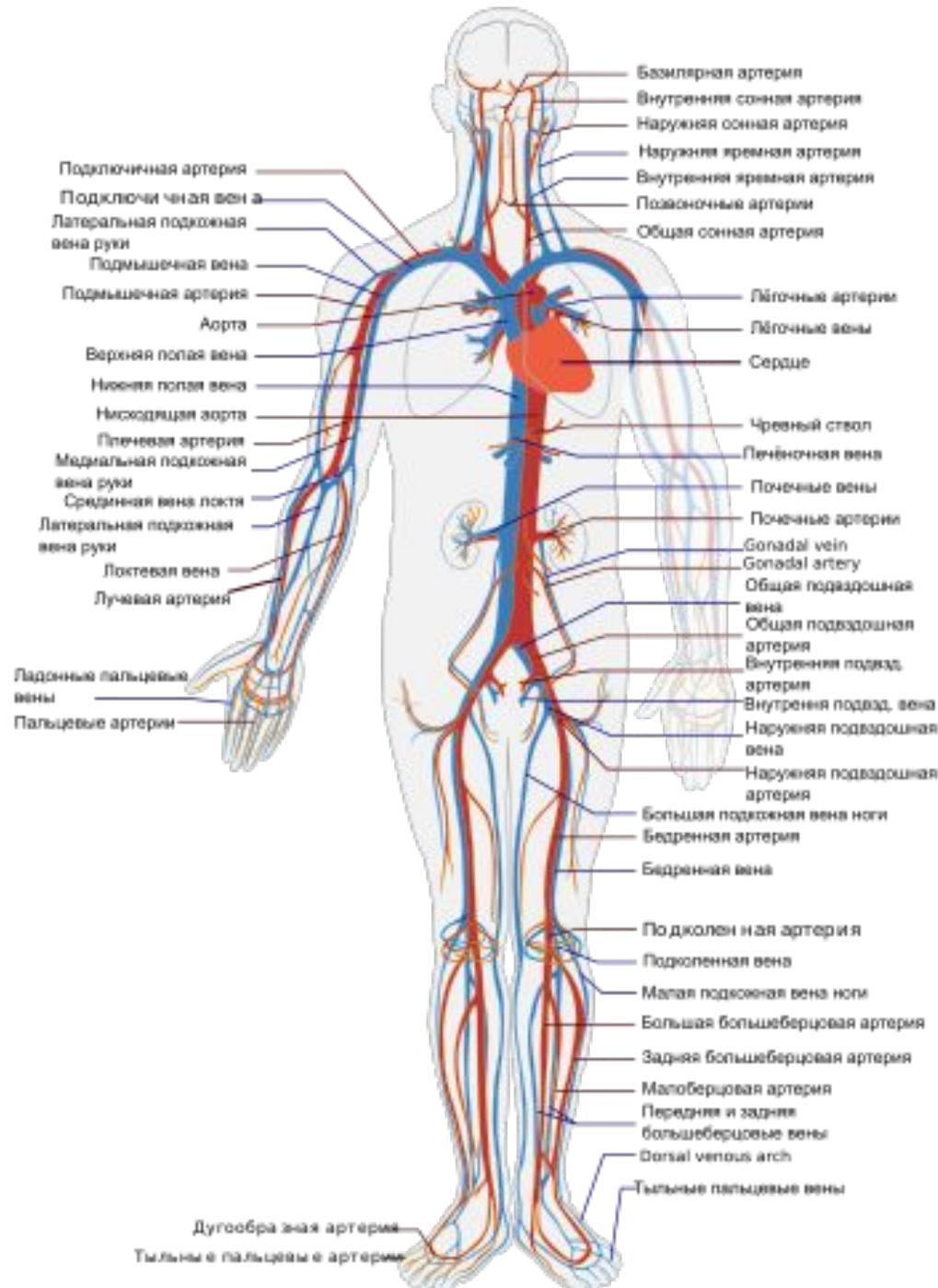
Анатомия кровеносной системы



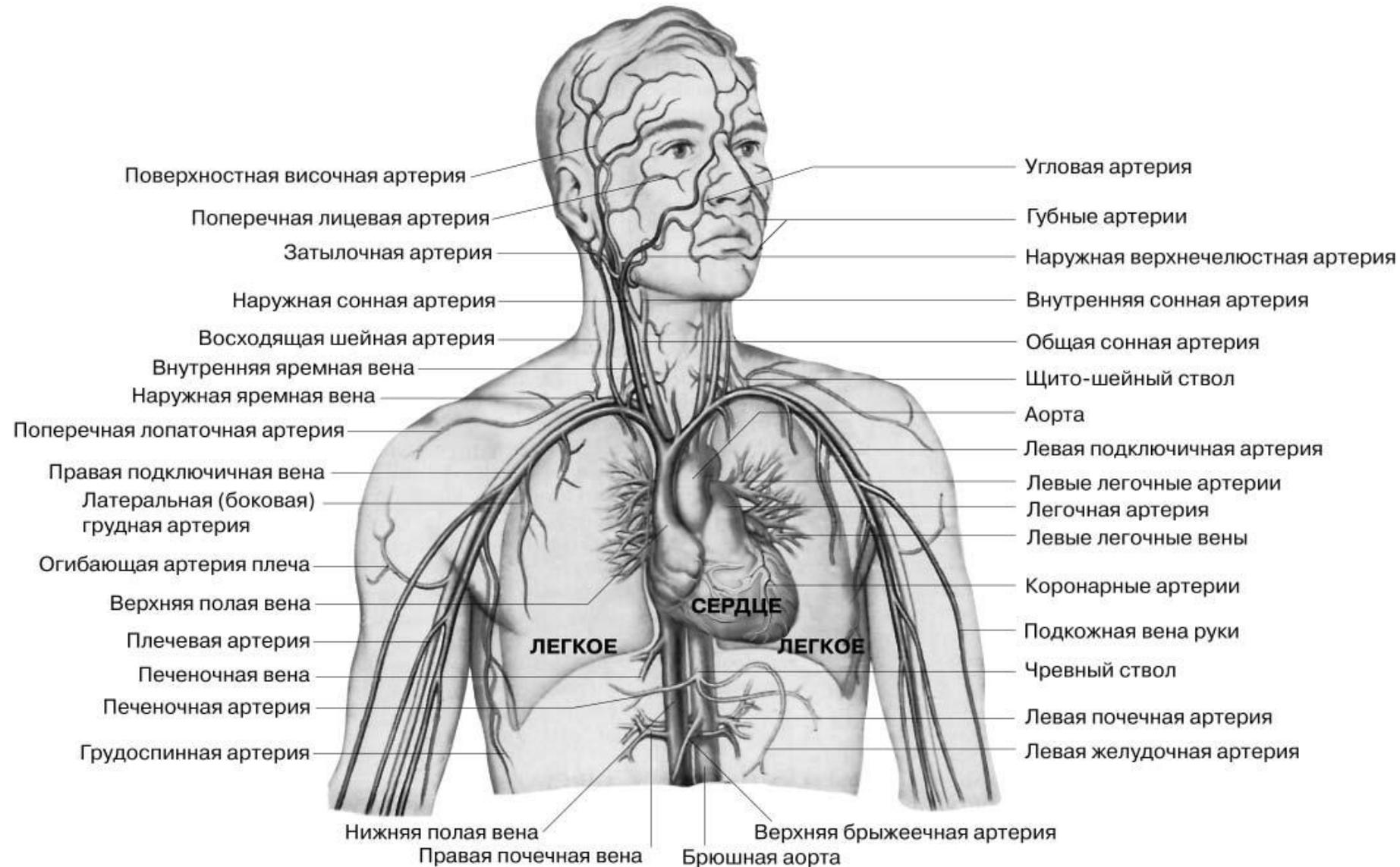
Кровеносная система состоит из сердца и сосудов.

Сосуды делятся на:

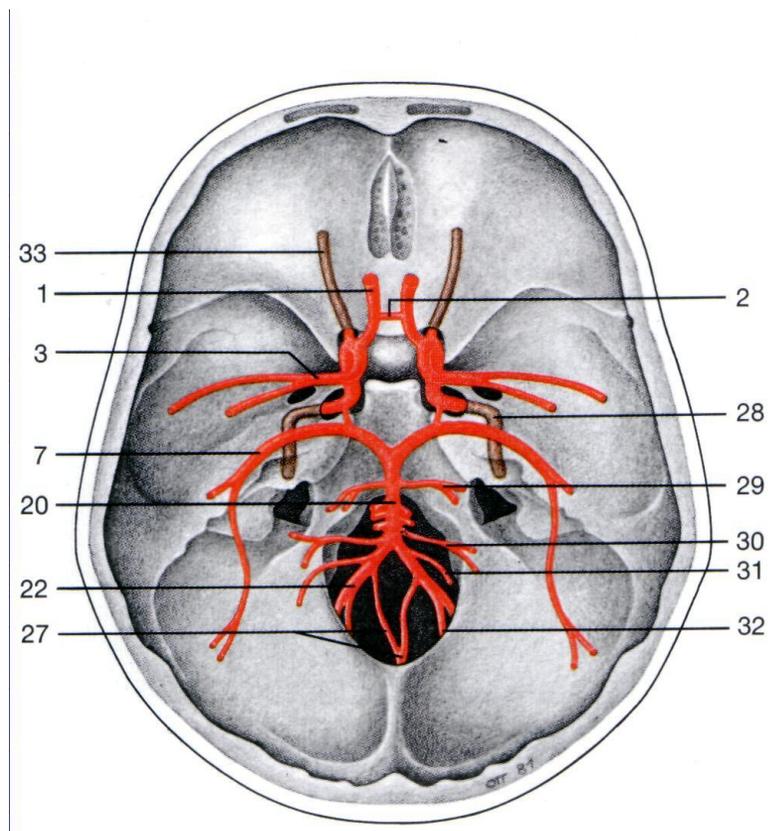
- Артерии
- Вены
- Капилляры

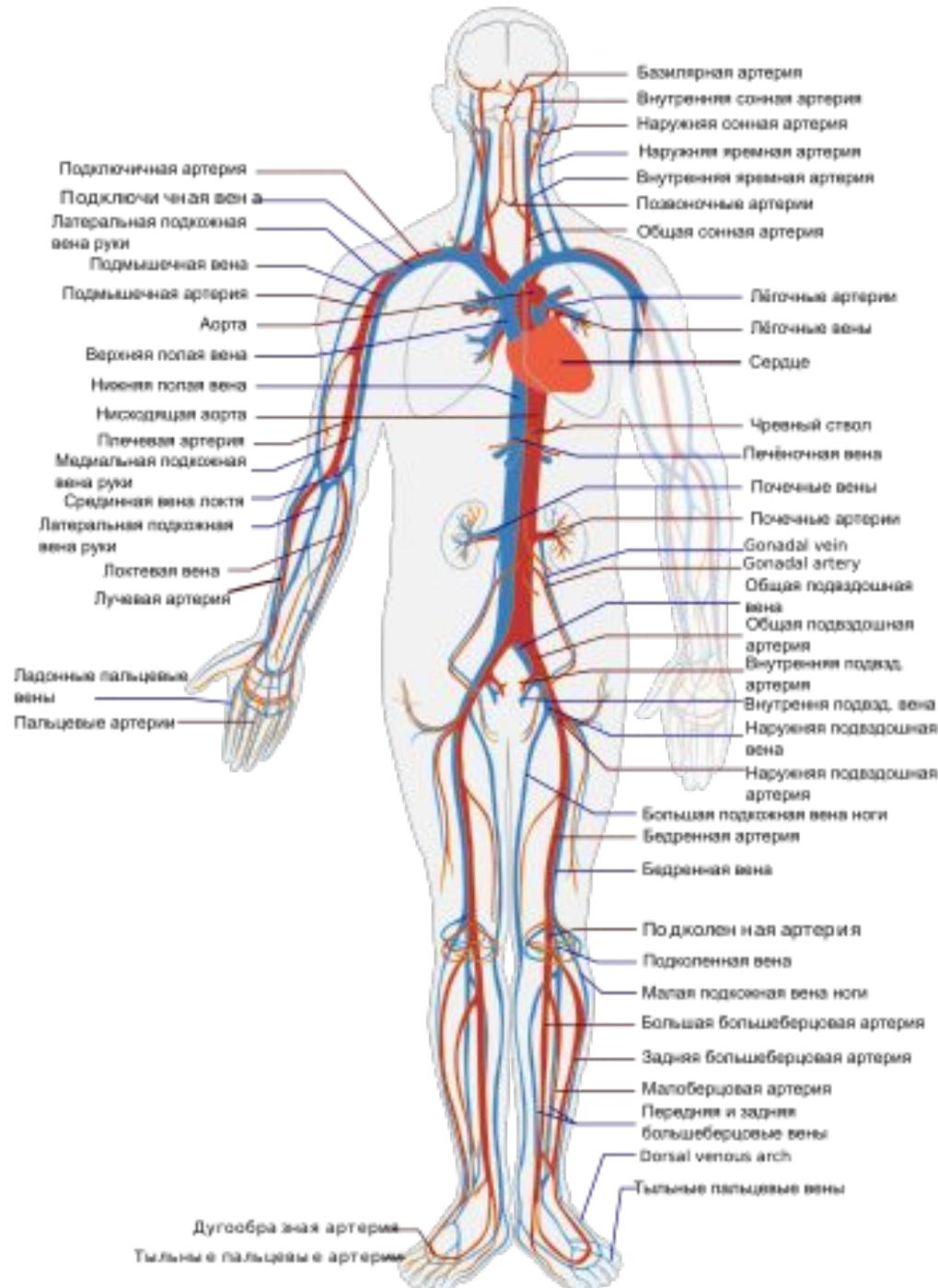


Сосуды головы и шеи

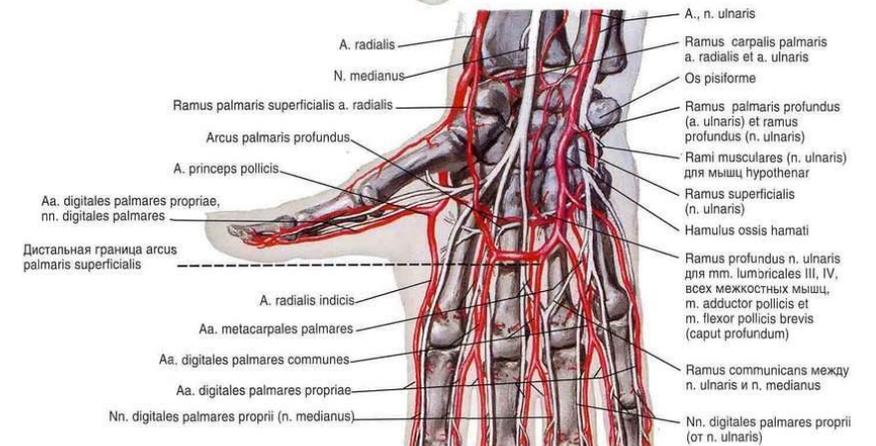
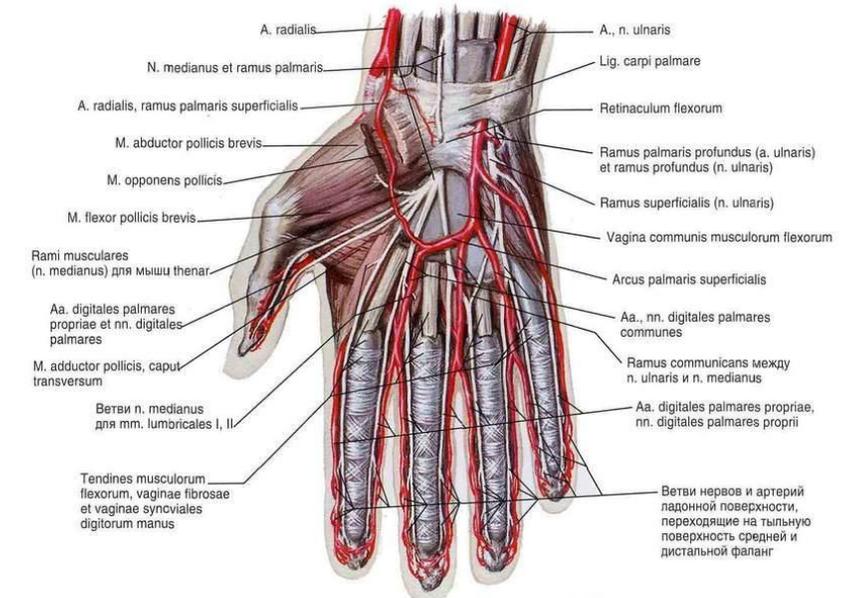


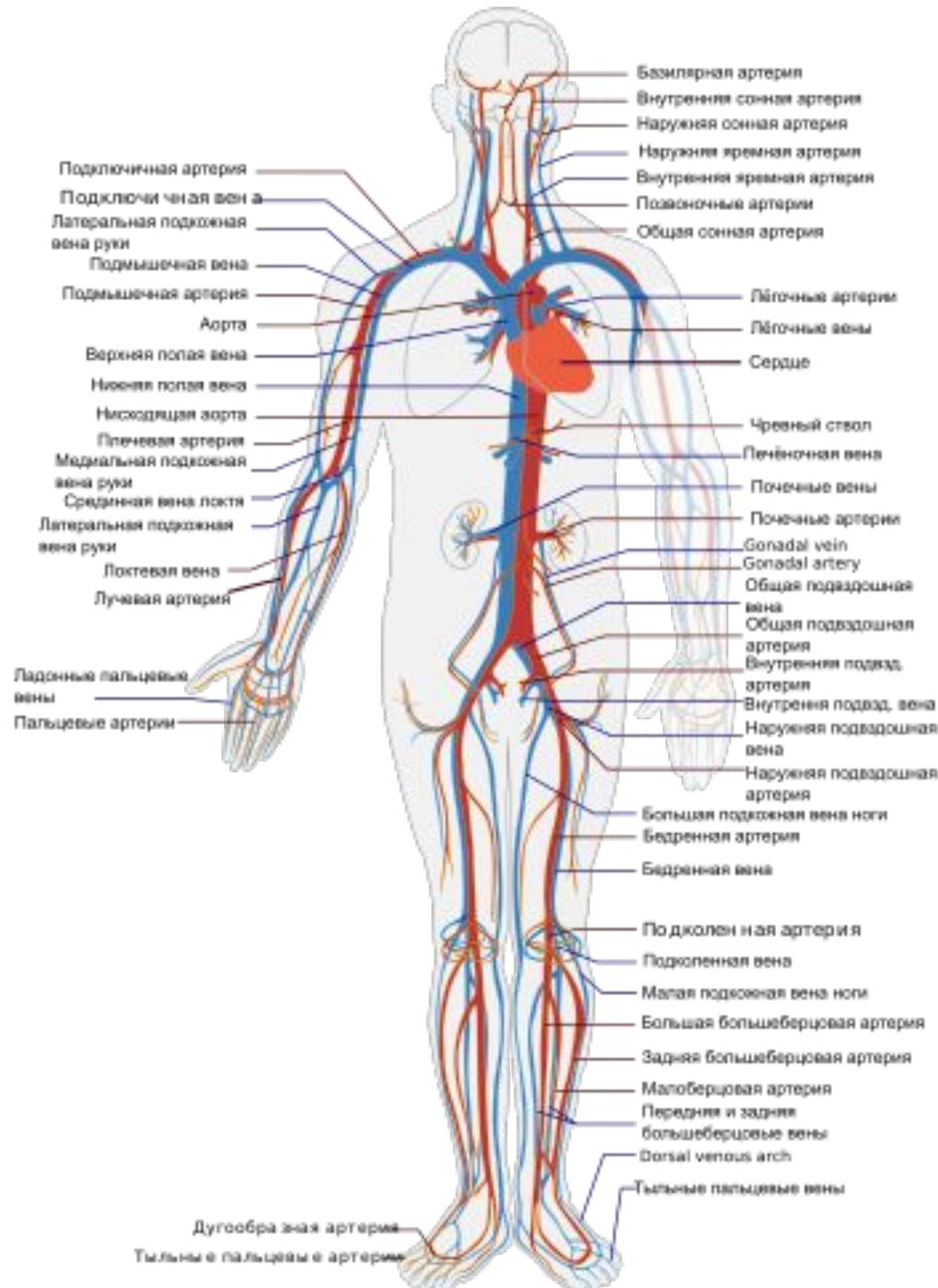
Кровоснабжение мозга. Виллизиев круг



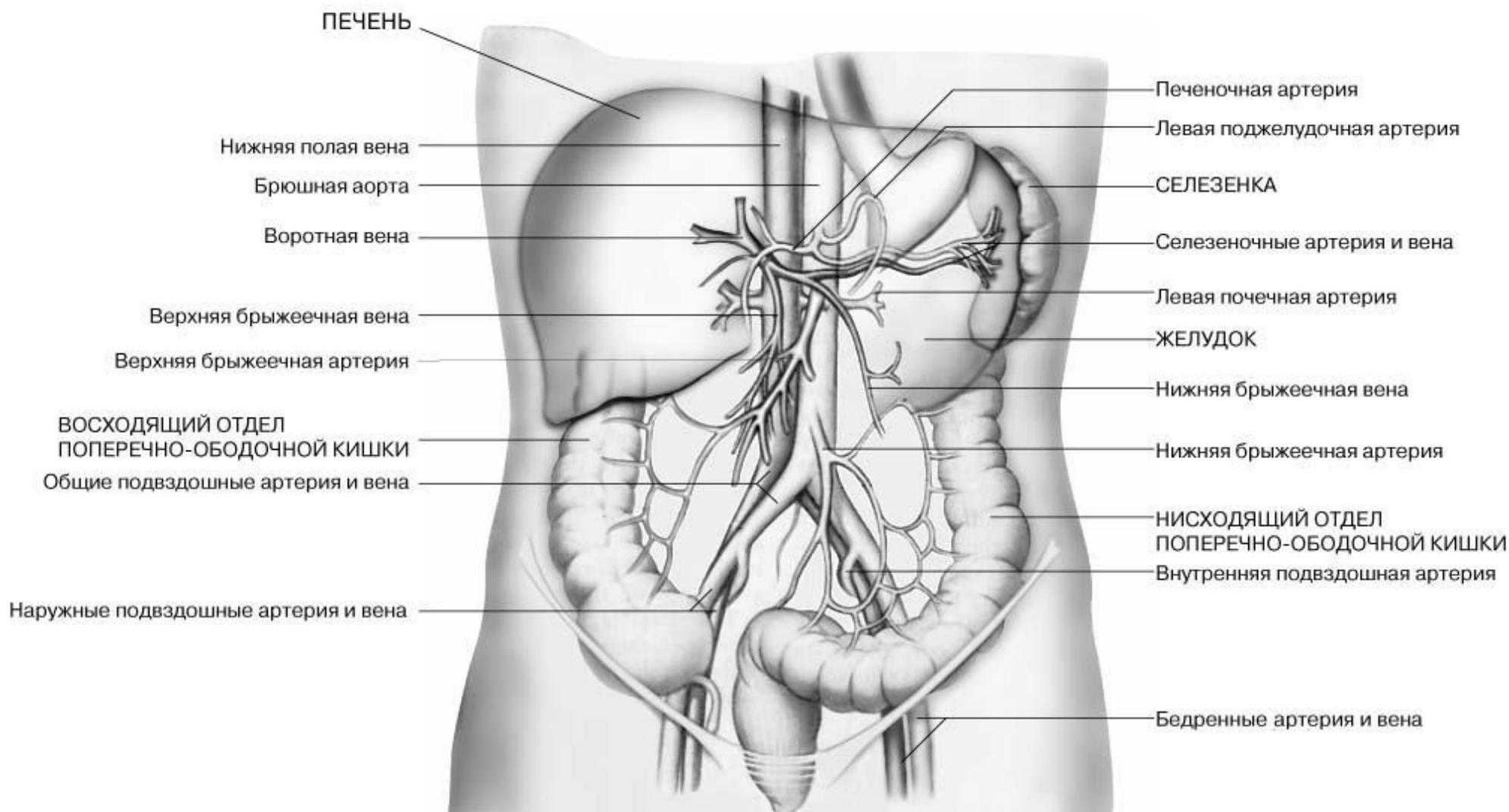


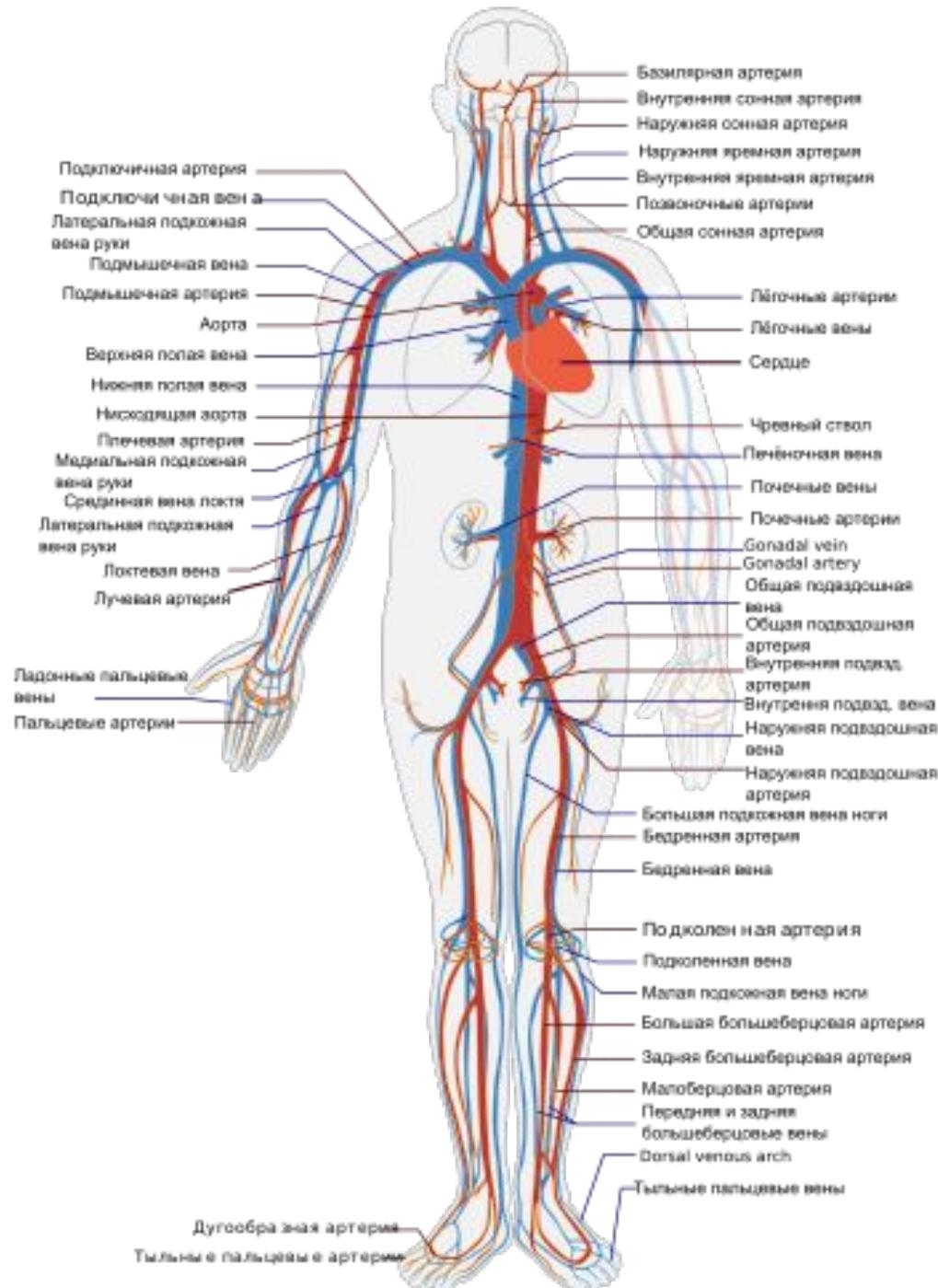
Сосуды верхних конечностей





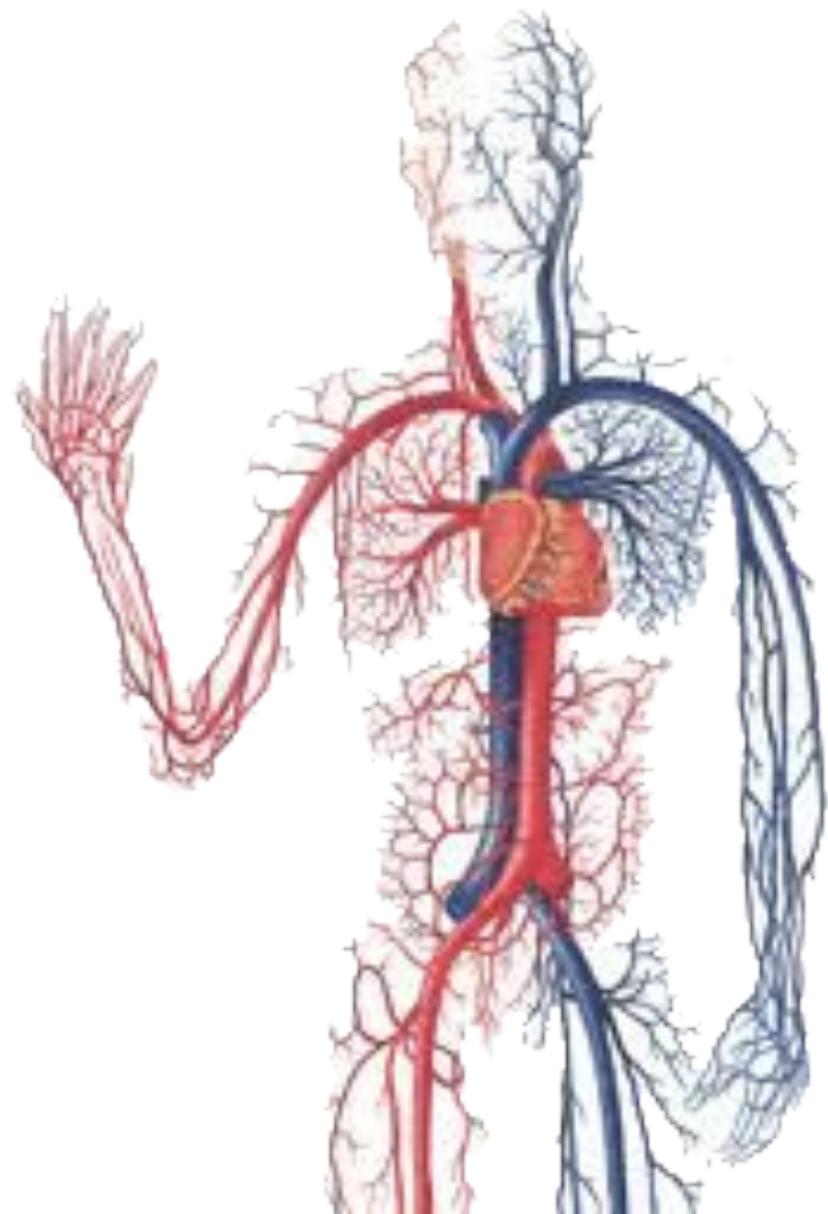
Сосуды брюшной полости



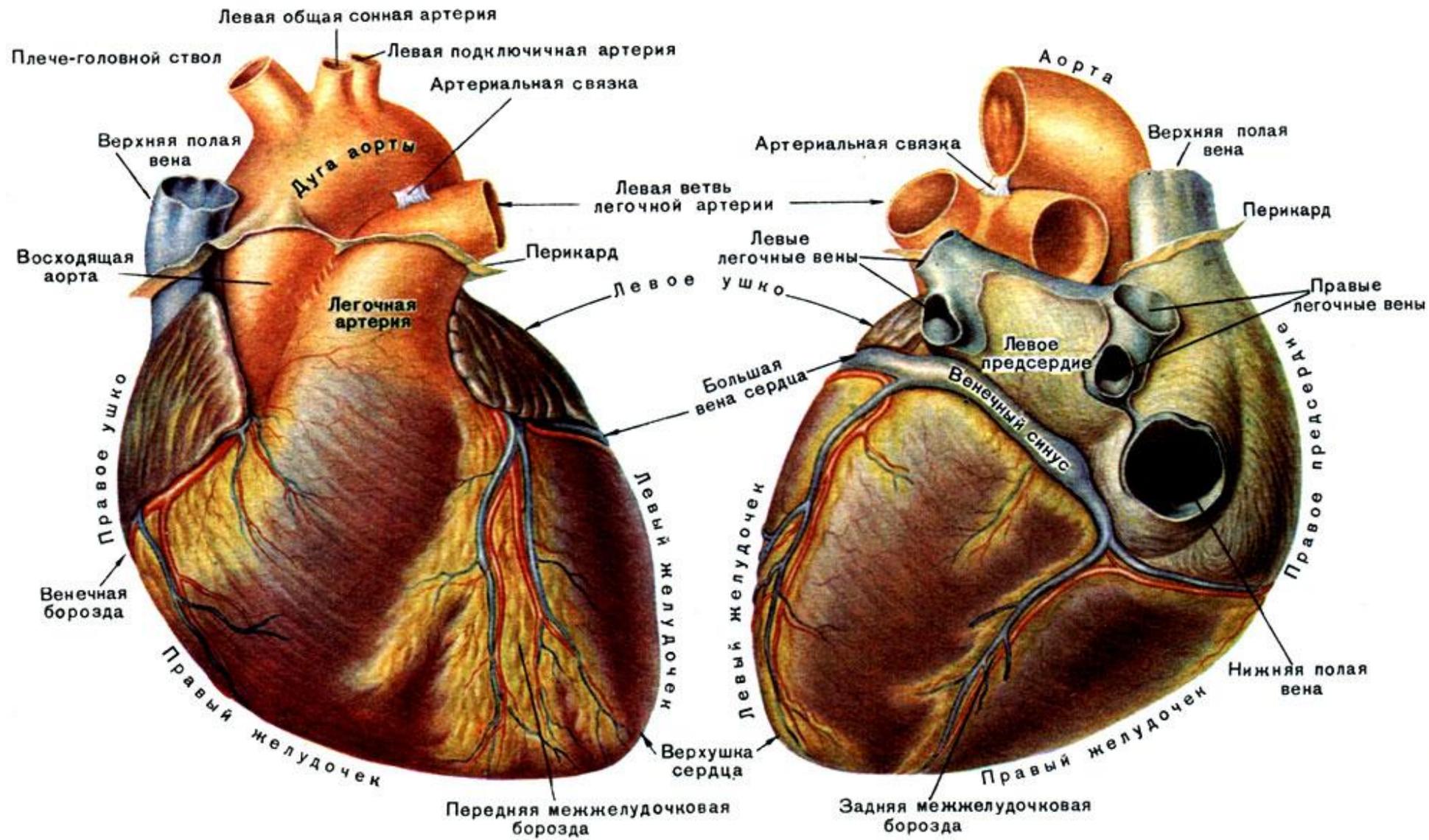


Сосуды нижних конечностей





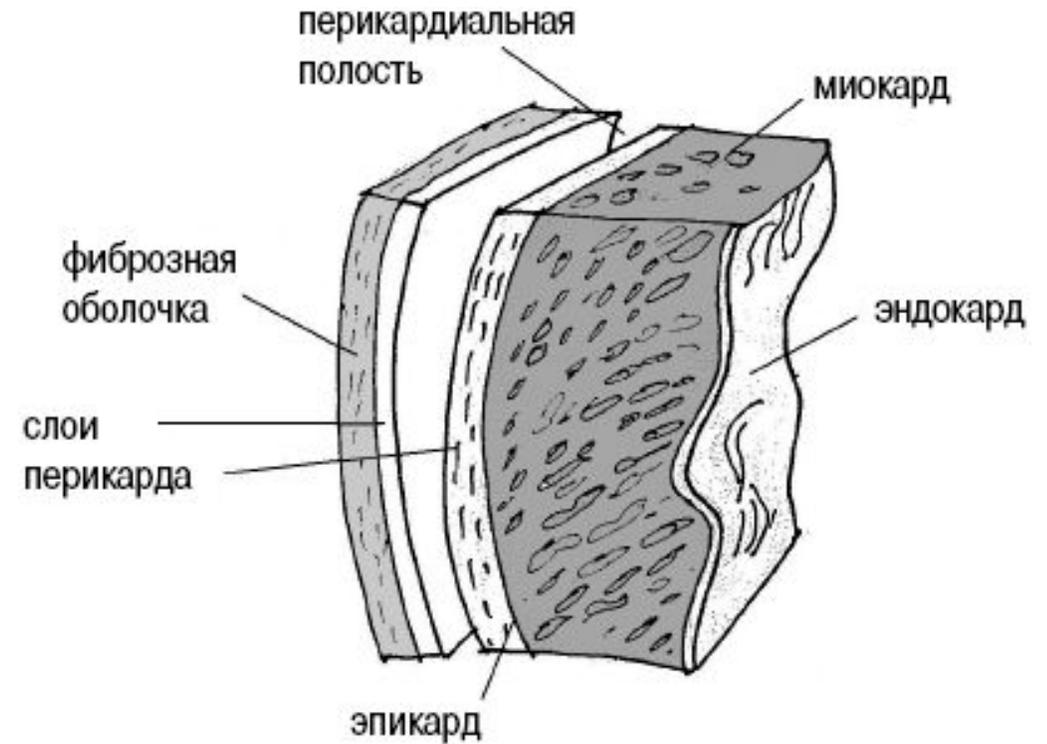
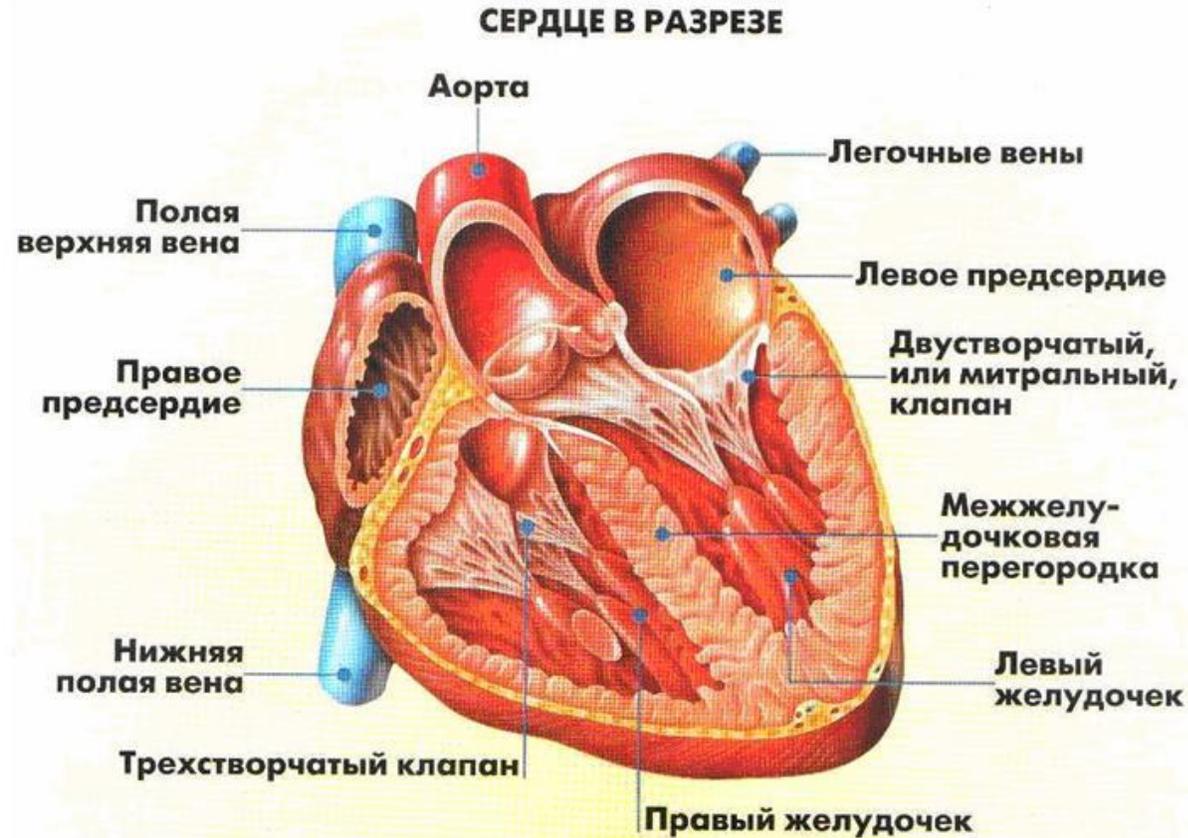
Внешнее строение сердца.



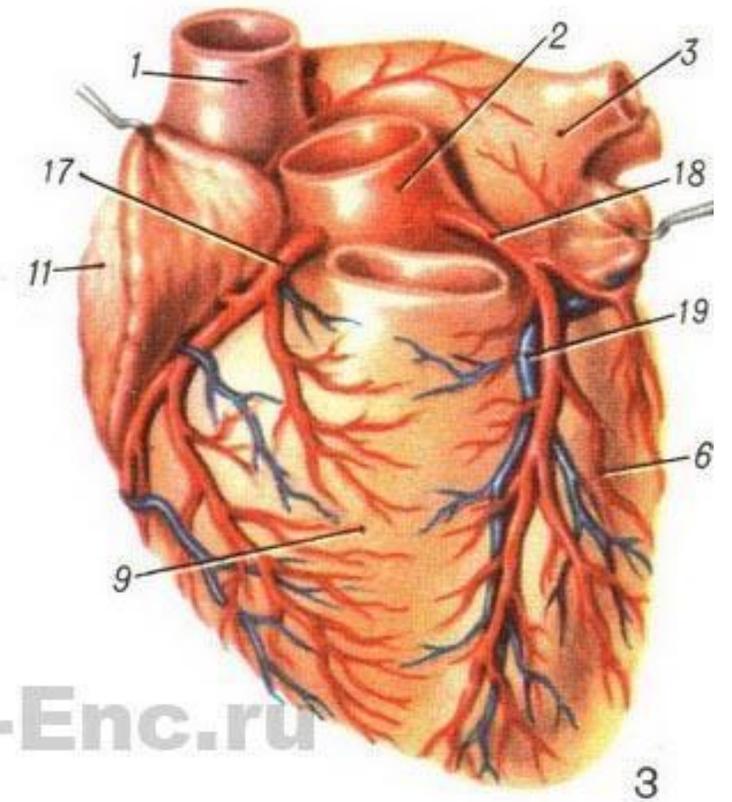
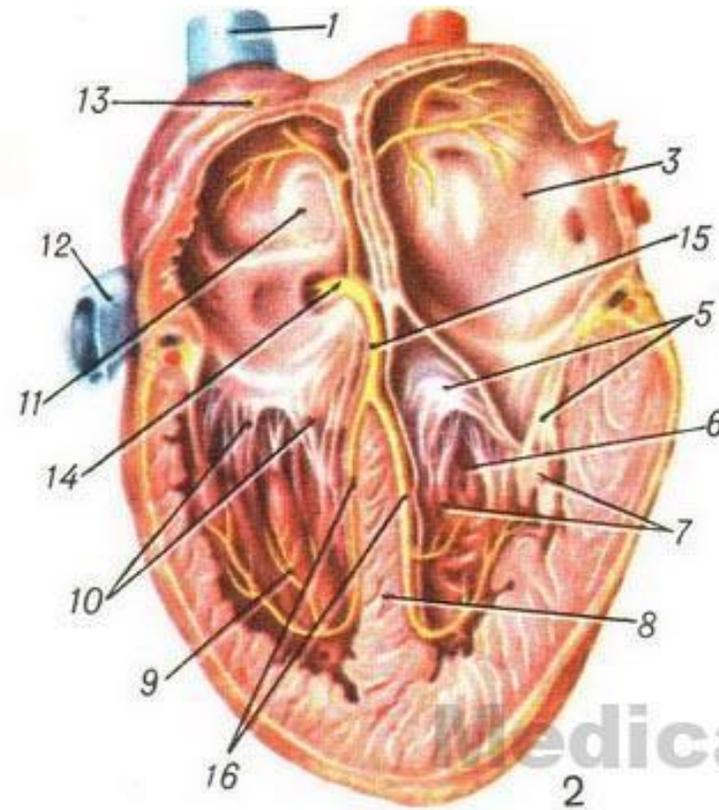
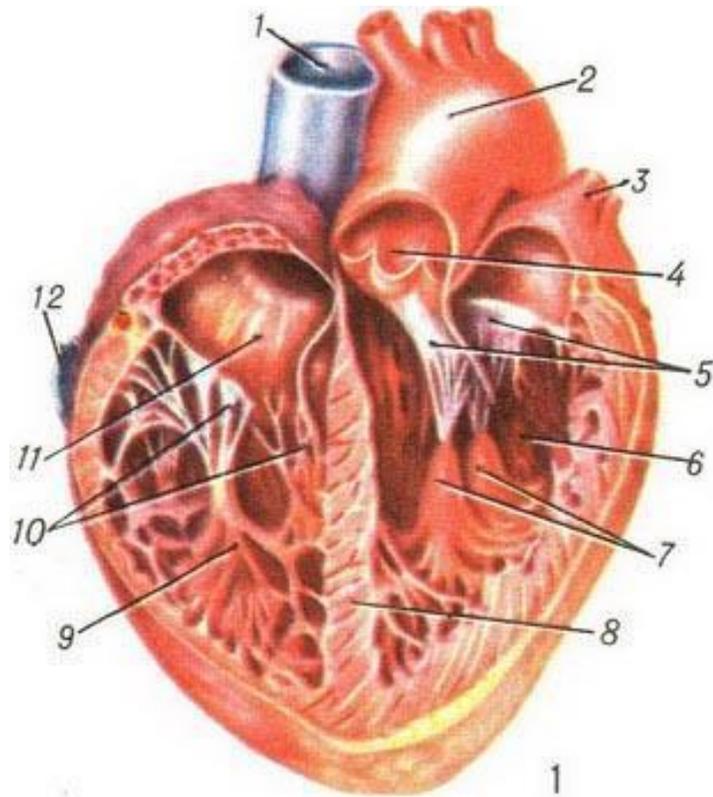
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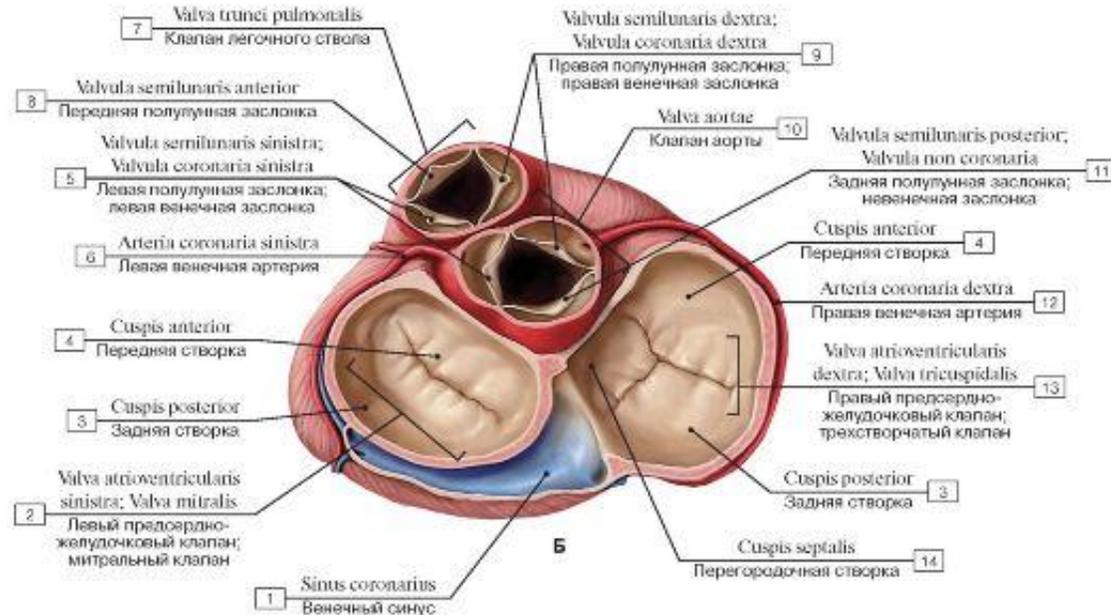
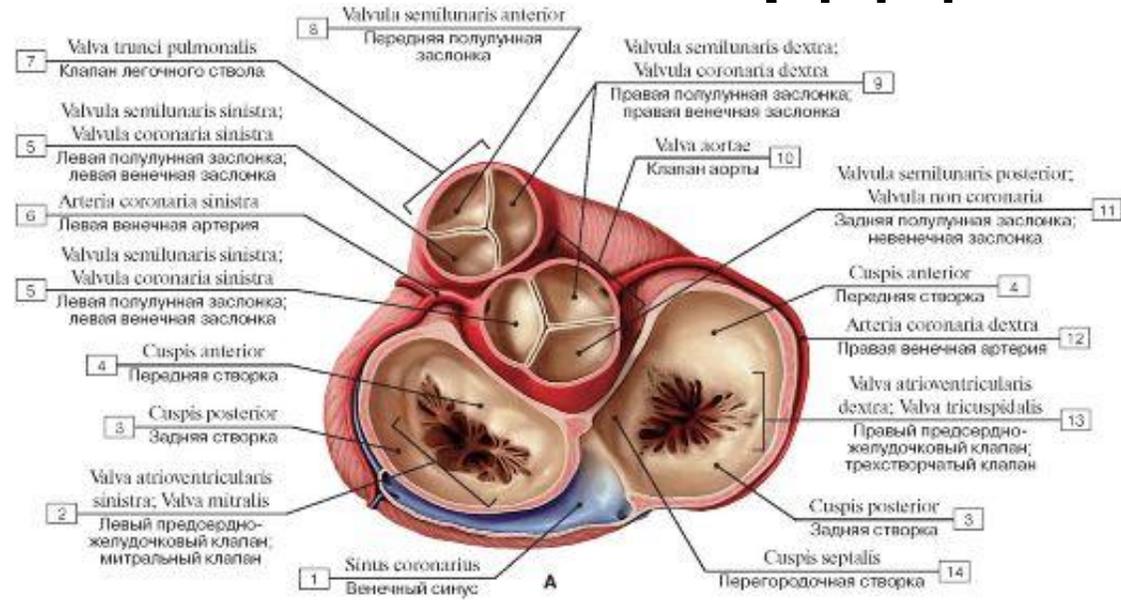
Строение сердца



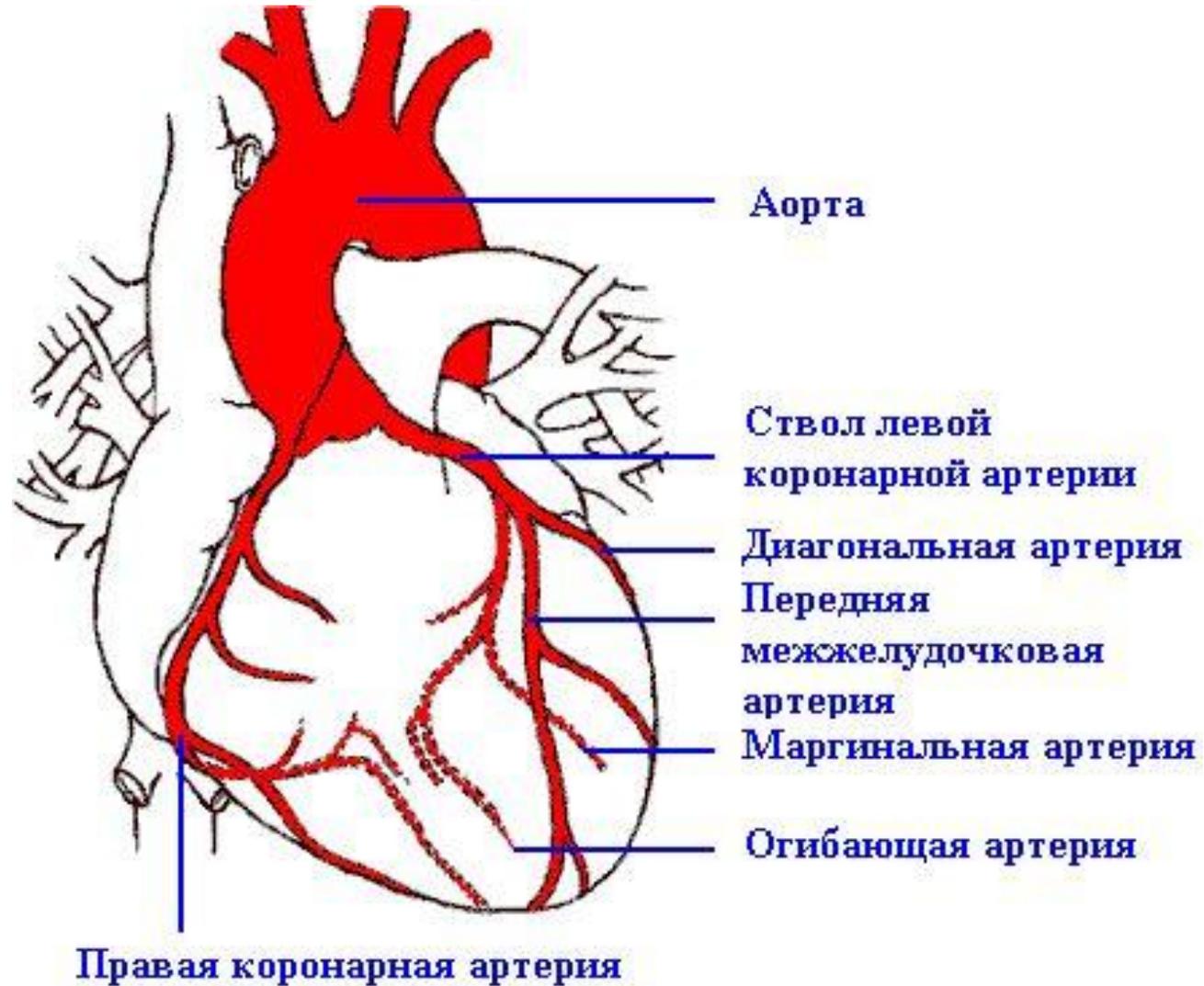
Внутреннее строение сердца



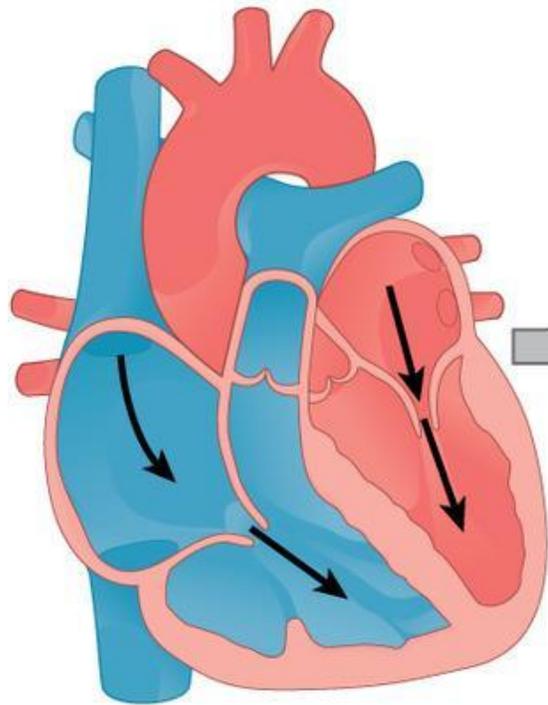
Клапаны сердца



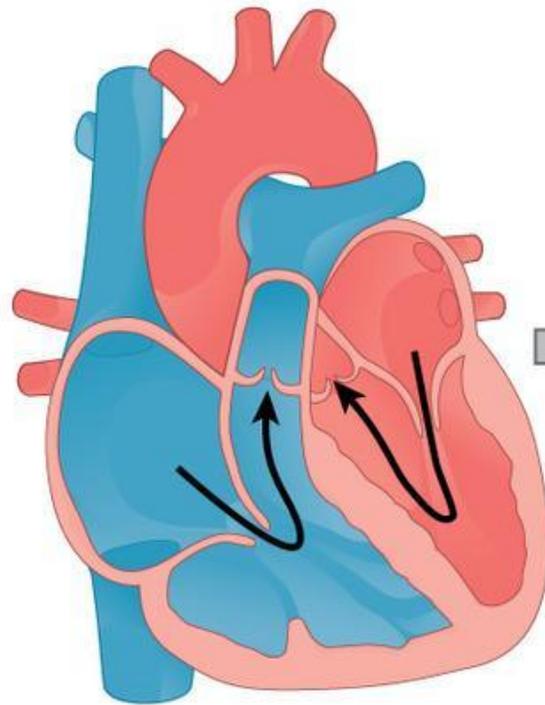
Коронарные артерии



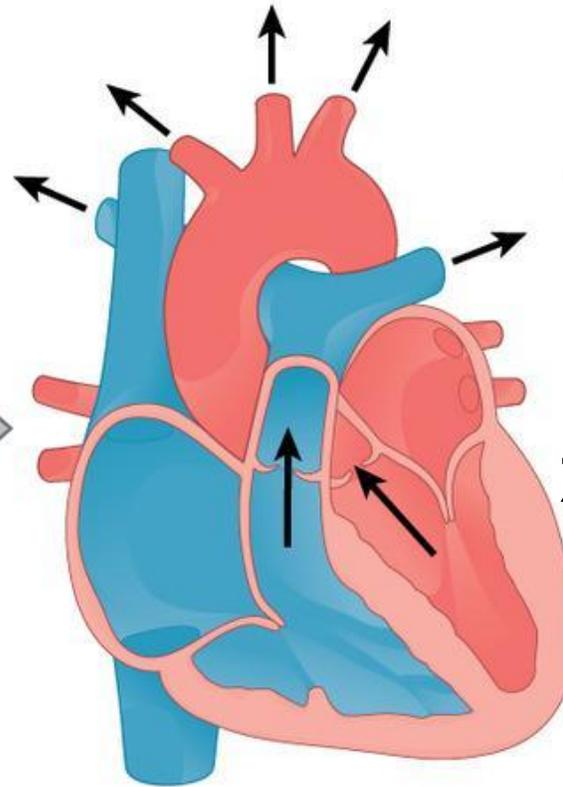
Сердечный цикл



(a) **Cardiac diastole:** all chambers are relaxed, and blood flows into the heart.



(b) **Atrial systole, ventricular diastole:** atria contract, pushing blood into the ventricles.

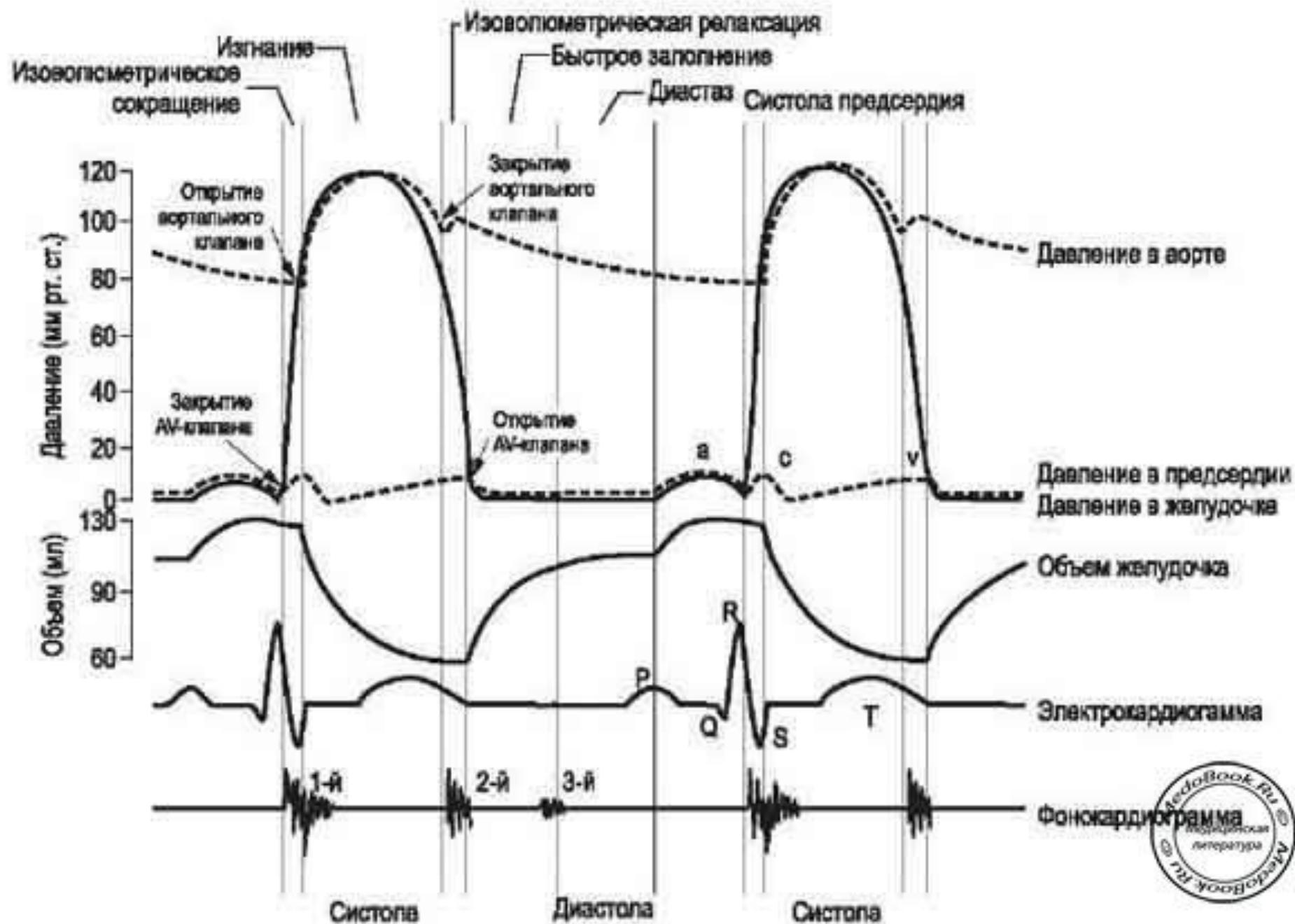


(c) **Atrial diastole, ventricular systole:** after the atria relax, the ventricles contract, pushing blood out of the heart.

Систола
предсердий 0,1
с

Систола
желудочков 0,3
с

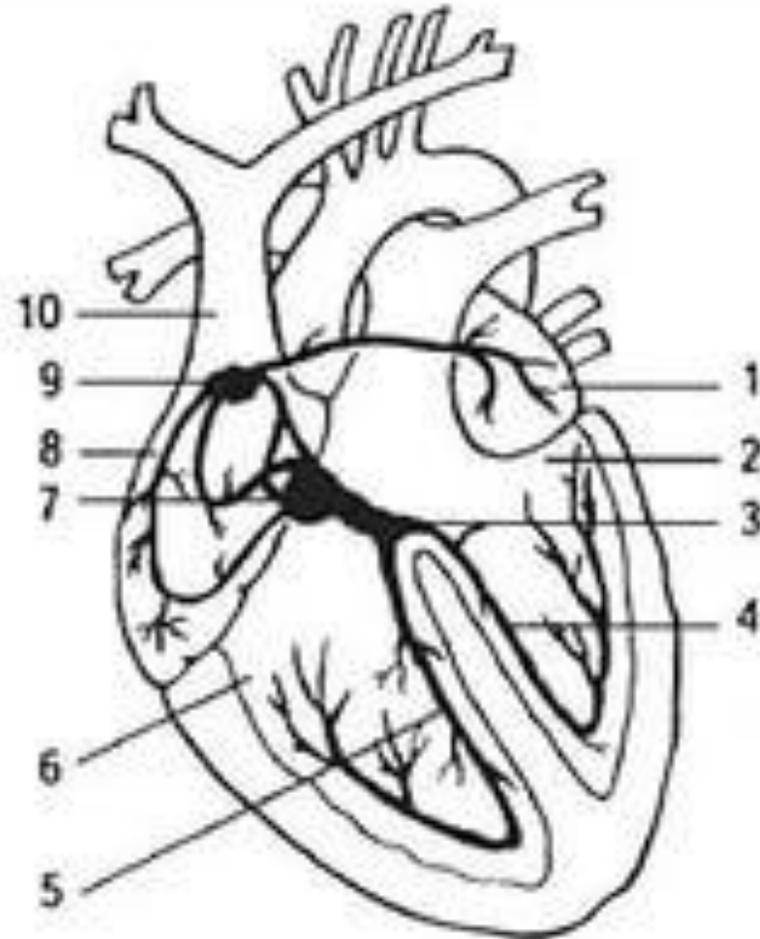
Диастола 0,4 с



Проводящая система сердца

Проводящая система сердца:

- 1 – левое предсердие;
- 2 – левый желудочек;
- 3 – пучок Гиса;
- 4 – левая ножка пучка Гиса;
- 5 – правая ножка пучка Гиса;
- 6 – правый желудочек;
- 7 – атриовентрикулярный узел;
- 8 – правое предсердие;
- 9 – синусовый узел;
- 10 – верхняя полая вена



ЭКГ

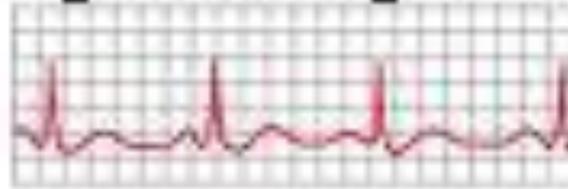
Норма ЭКГ



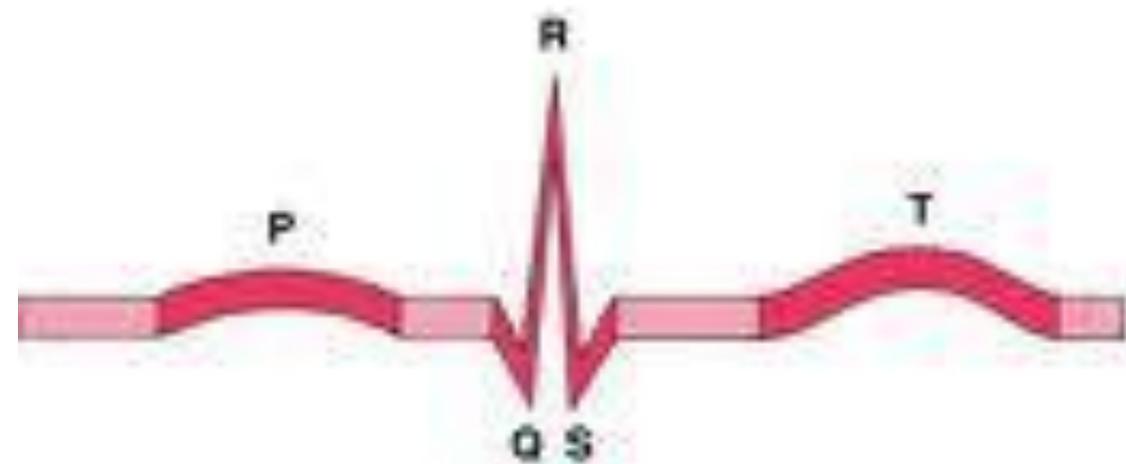
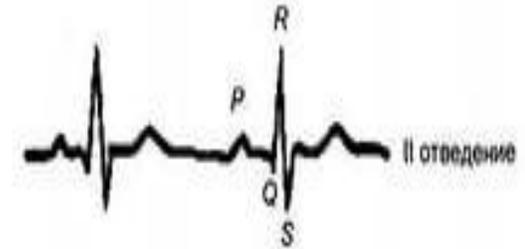
Тахикардия



Брадикардия



Аритмия



P зубец QRS комплекс T зубец

