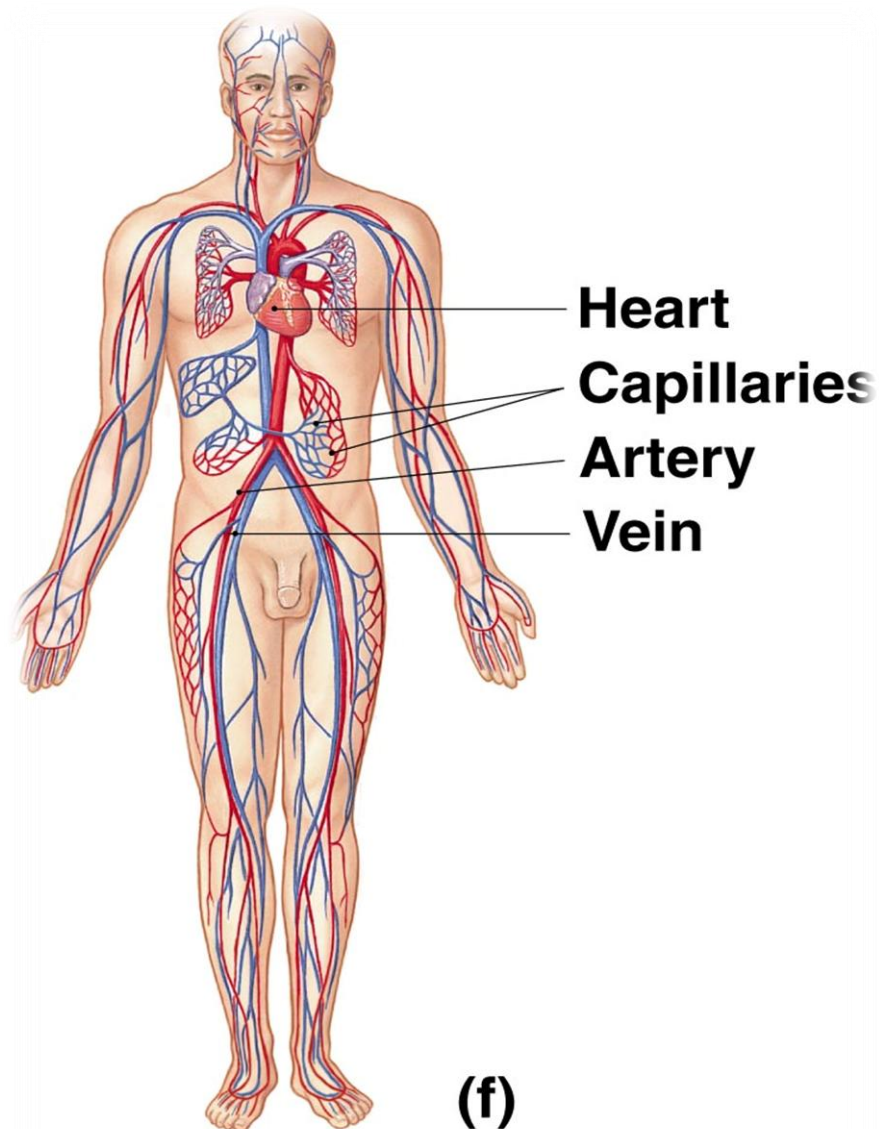


بنام مهربان ترین

گروه علوم تشریحی
دانشکده پزشکی شیراز
سعید کربلایی دوست

Introduction to cardiovascular system

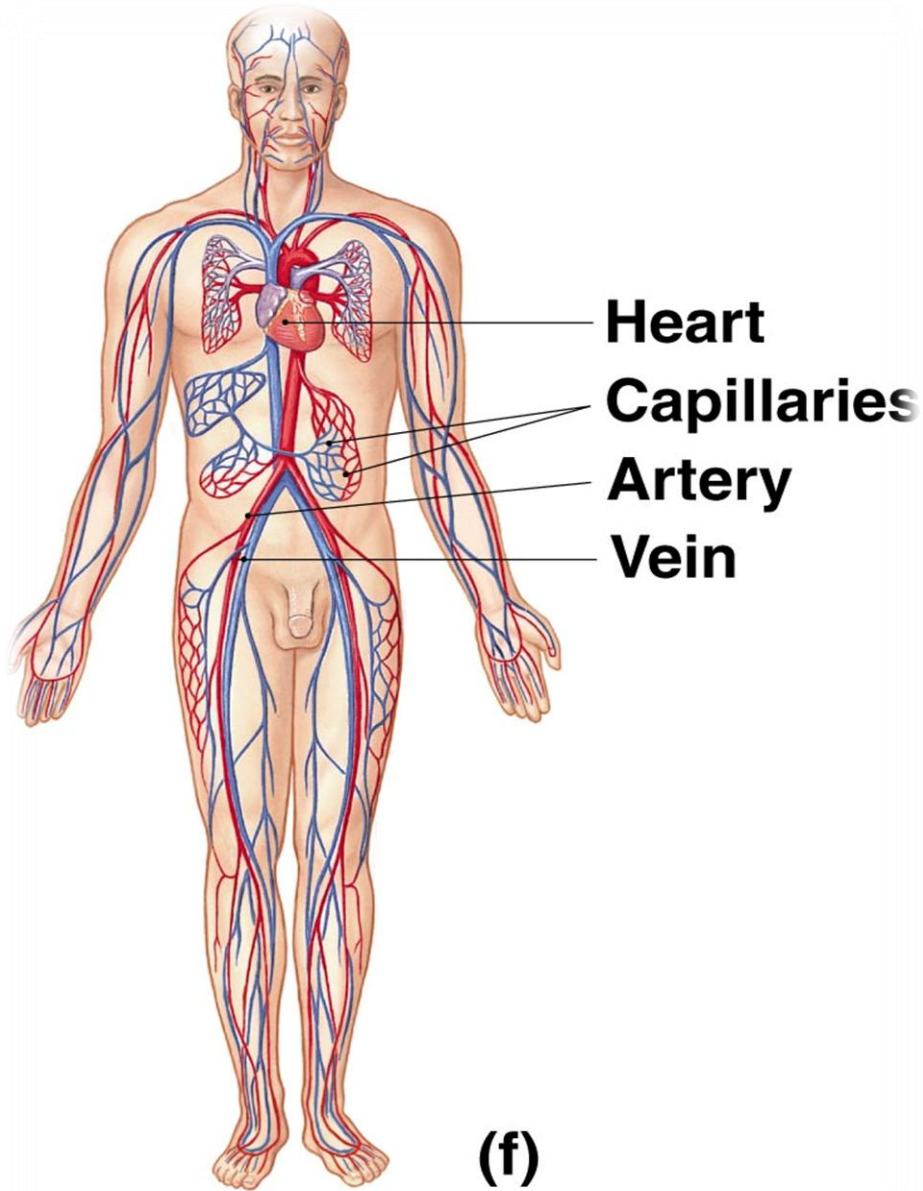


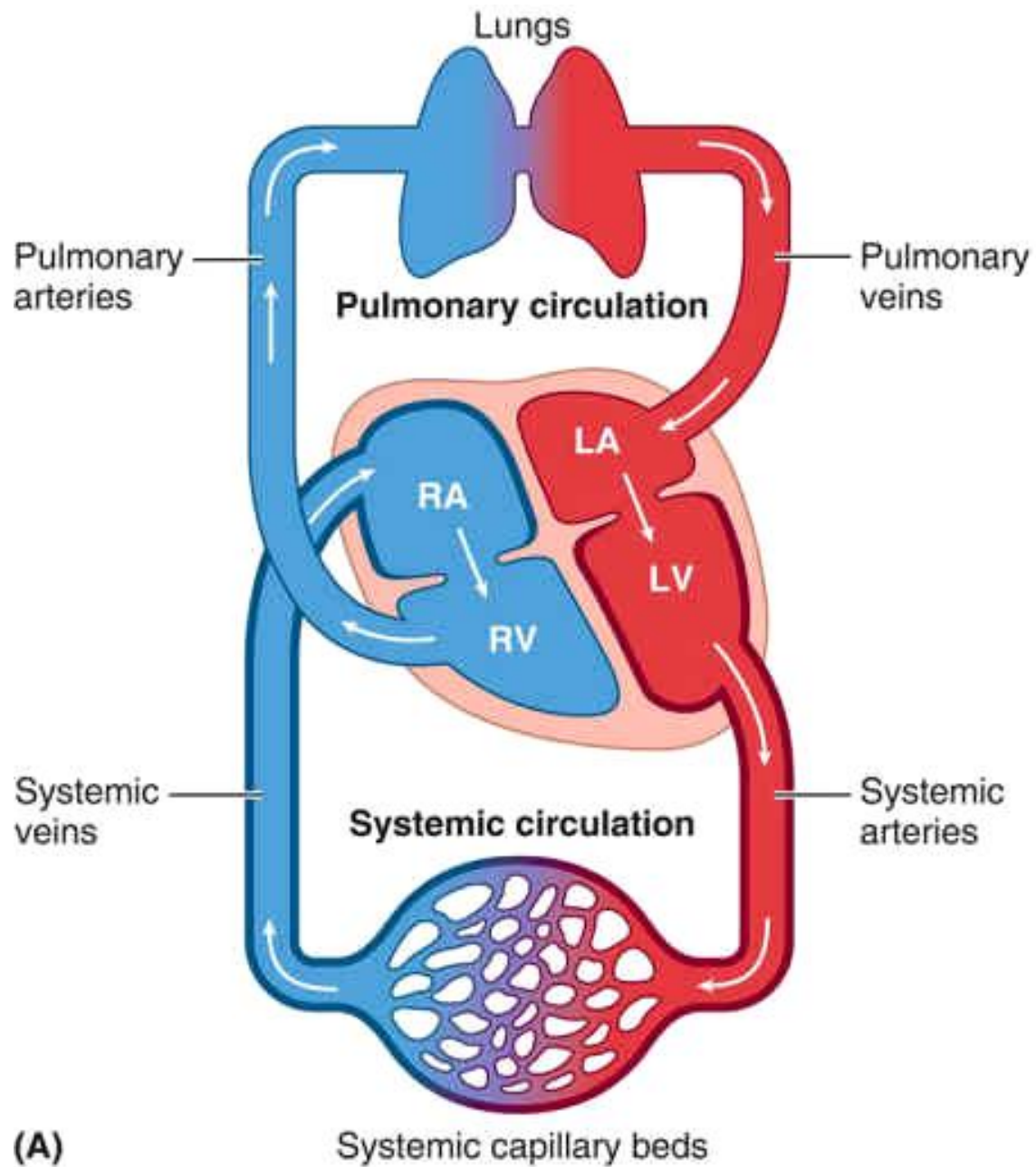
اهداف یادگیری

در انتهای این مبحث از یادگیرنده انتظار می رود:

- انواع رگ های خونی را نام ببرد
- رگ های بزرگ قلب را نام ببرد
- سرخرگ و سیاه رگ ریوی را شرح دهد
- سرخرگ ائورت و بخش های مختلف آن را شرح دهد و شاخه های که از بخش های آن جدا میشوند را نام ببرد و اعضای که توسط آنها خون رسانی میشوند را بیان نمایید
- چگونگی تشکیل ، مسیر و محل تخلیه ی بزرگ سیاهرگ زبرین، زیرین و باب را شرح دهد
- نکات بالینی عروق را بیان کند

Introduction to cardiovascular system





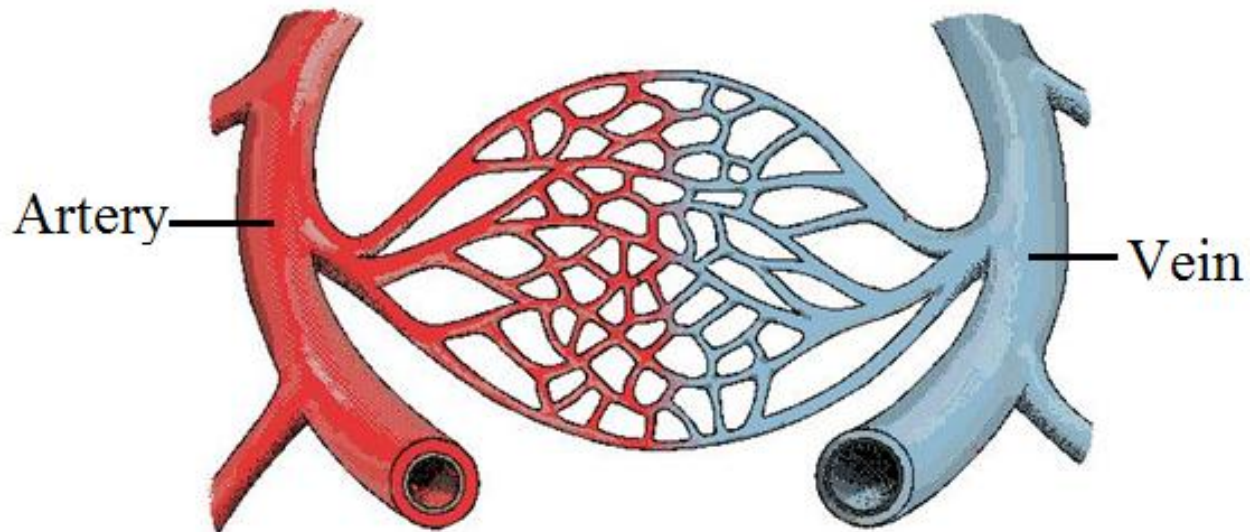
Introduction to vascular

Arteries

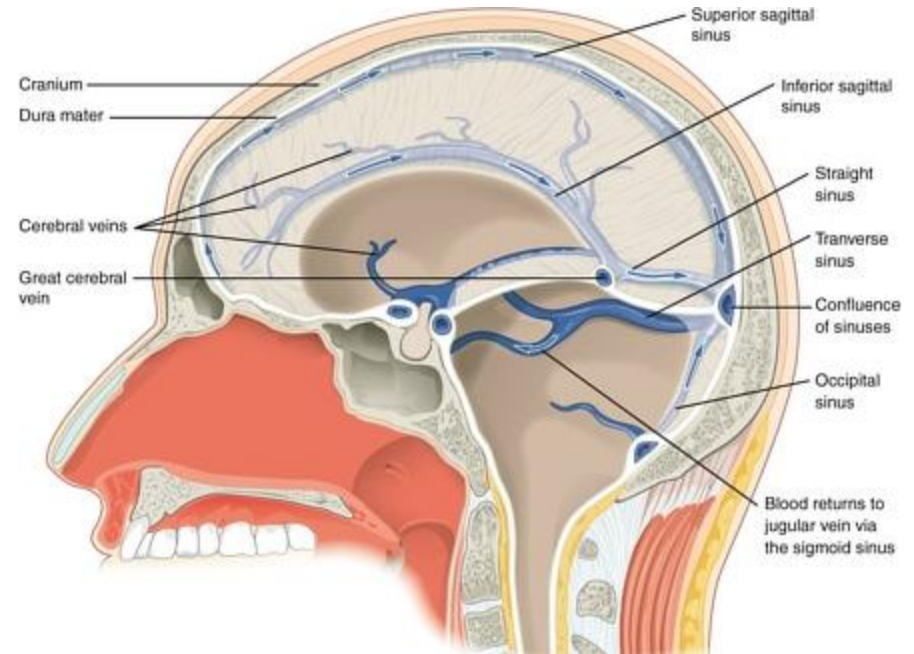
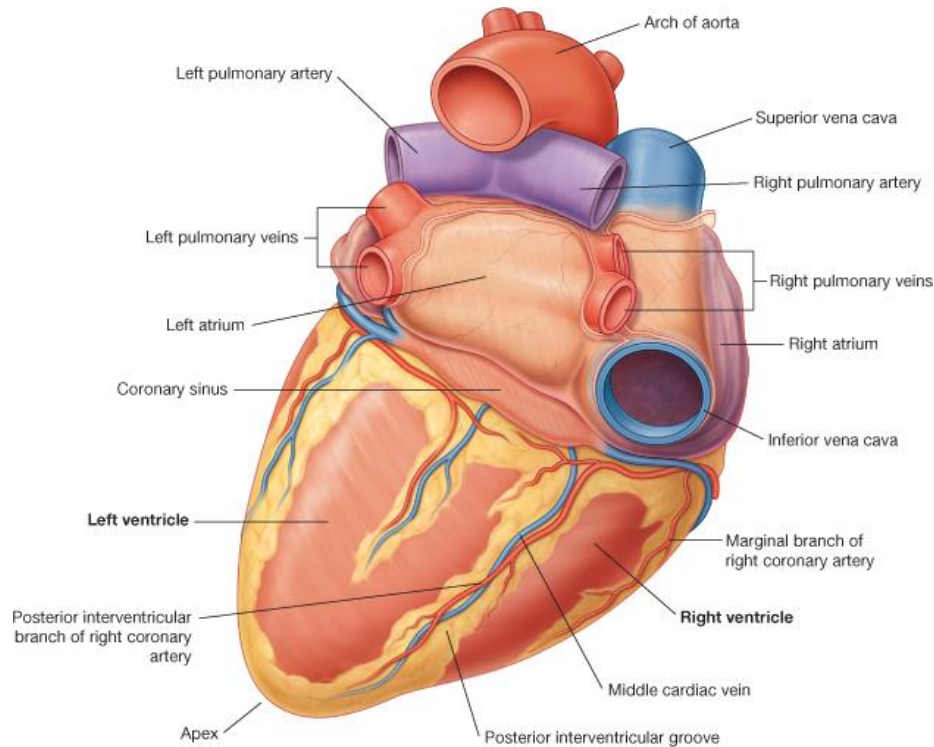
- Carry oxygenated blood **away** from the heart to body cells, tissue & organs
- Except for **pulmonary artery**

Veins

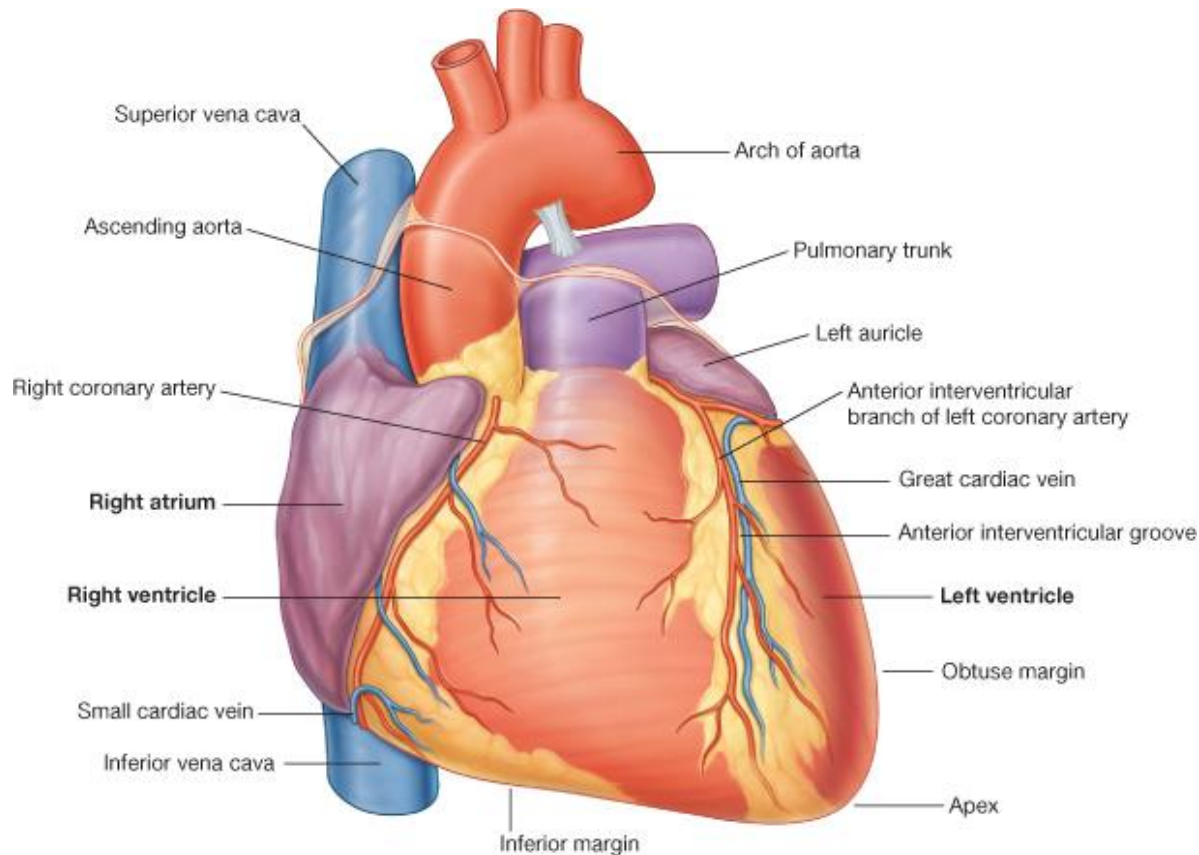
- Carry deoxygenated blood **to** the heart from body cells, tissue & organs
- Except for **pulmonary vein**



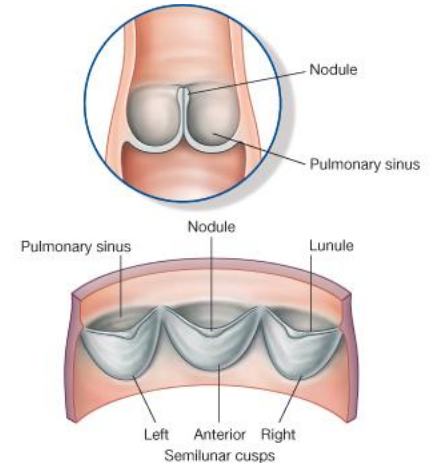
Venous sinuses



Artery (pulmonary trunk)

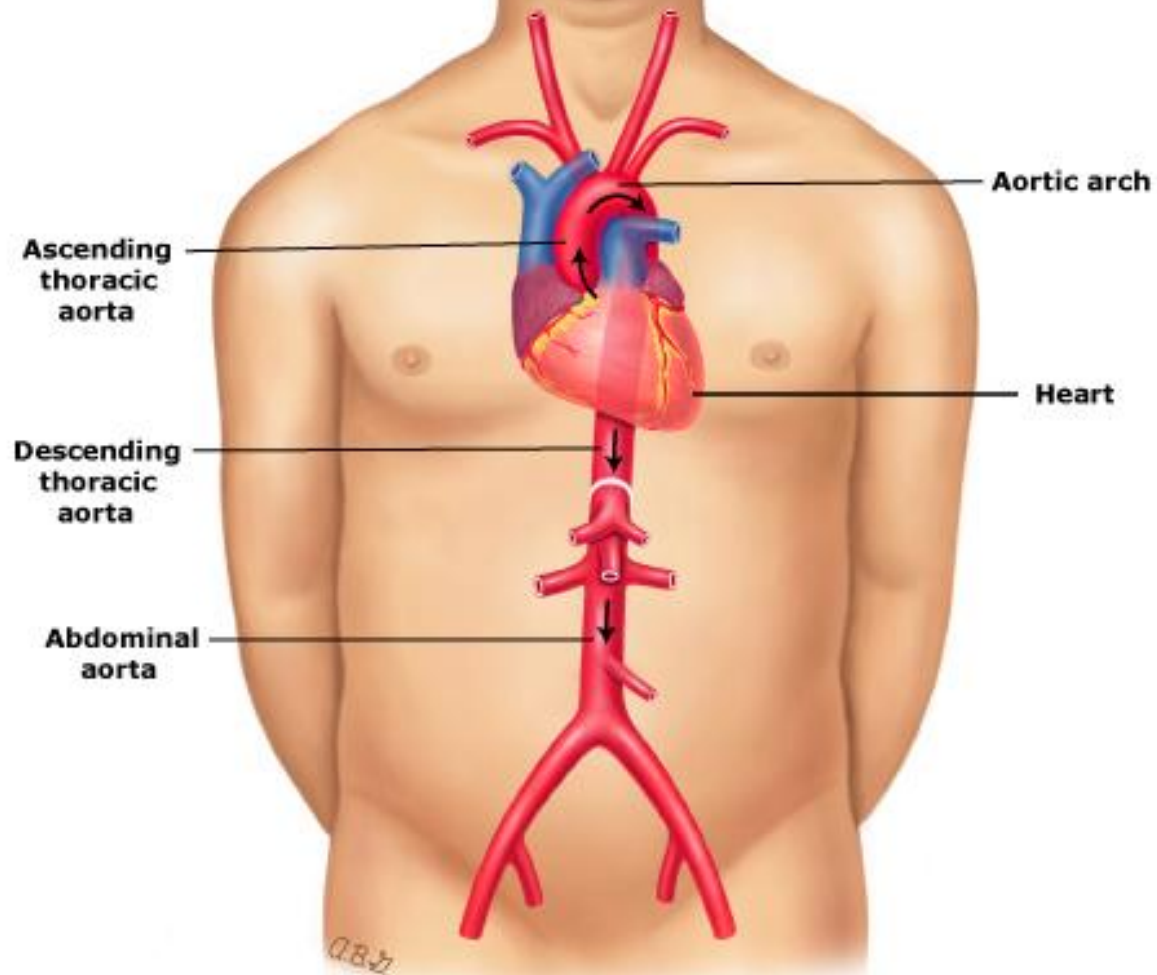


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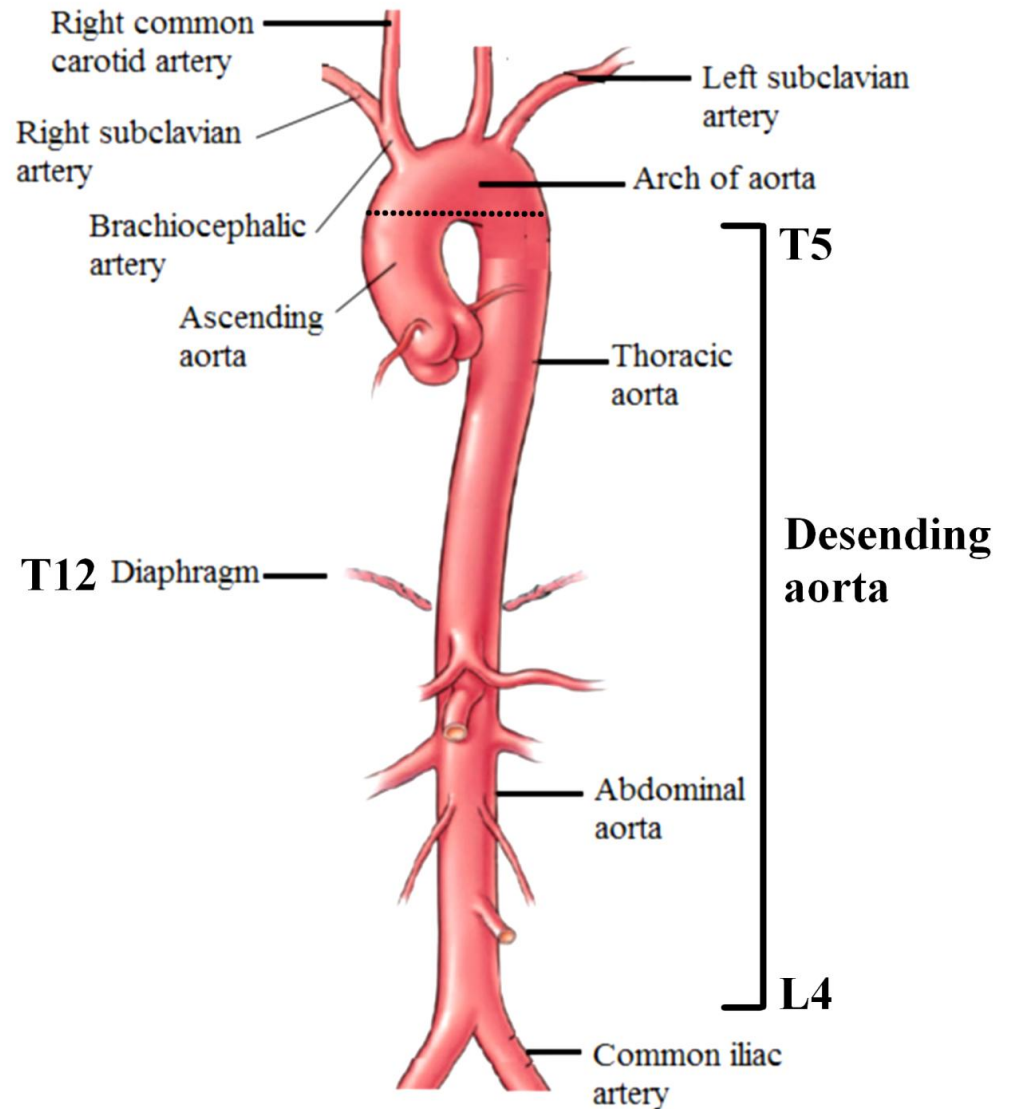
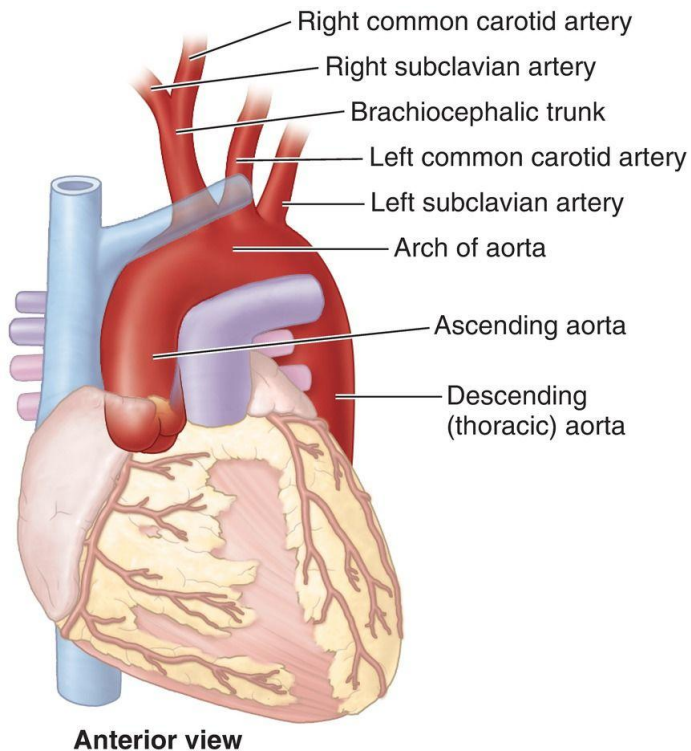
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Aorta



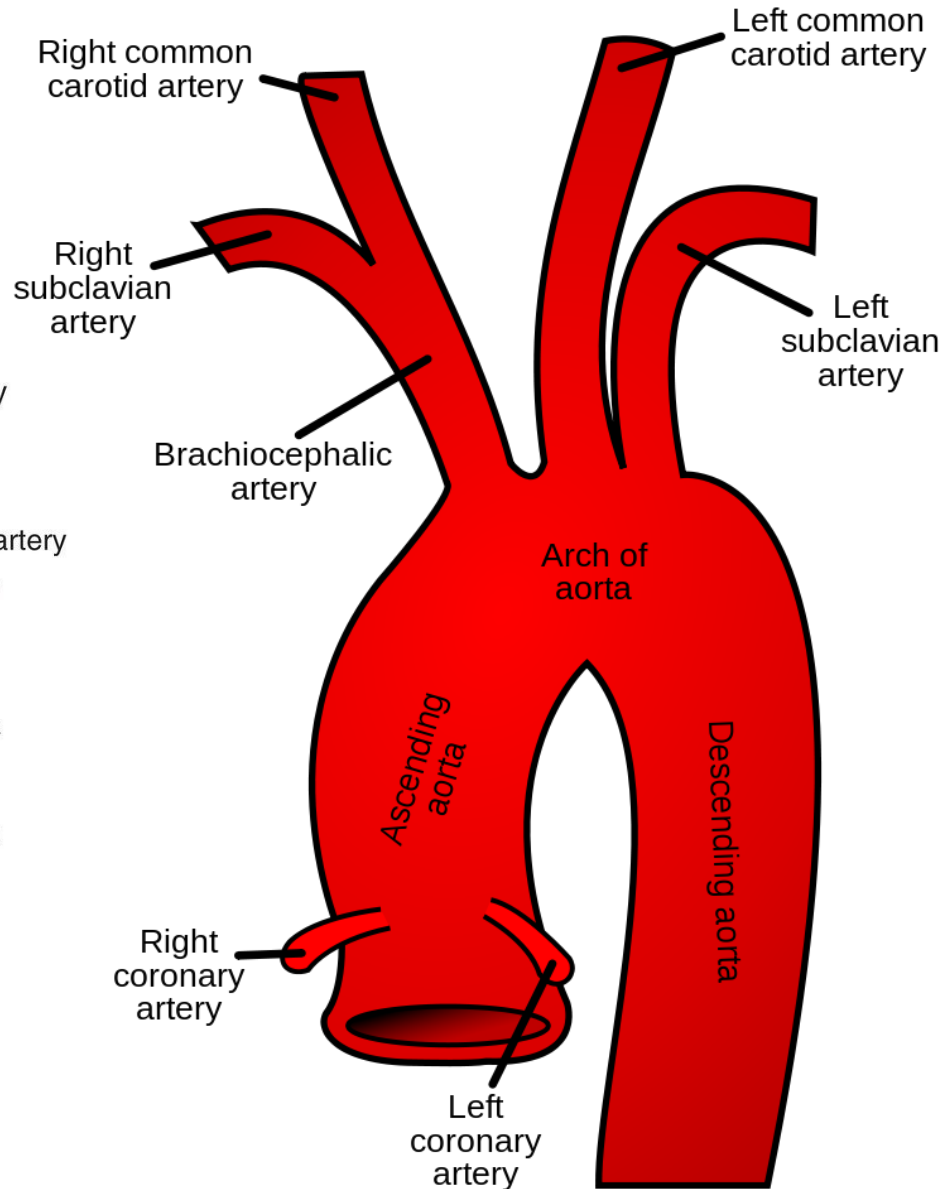
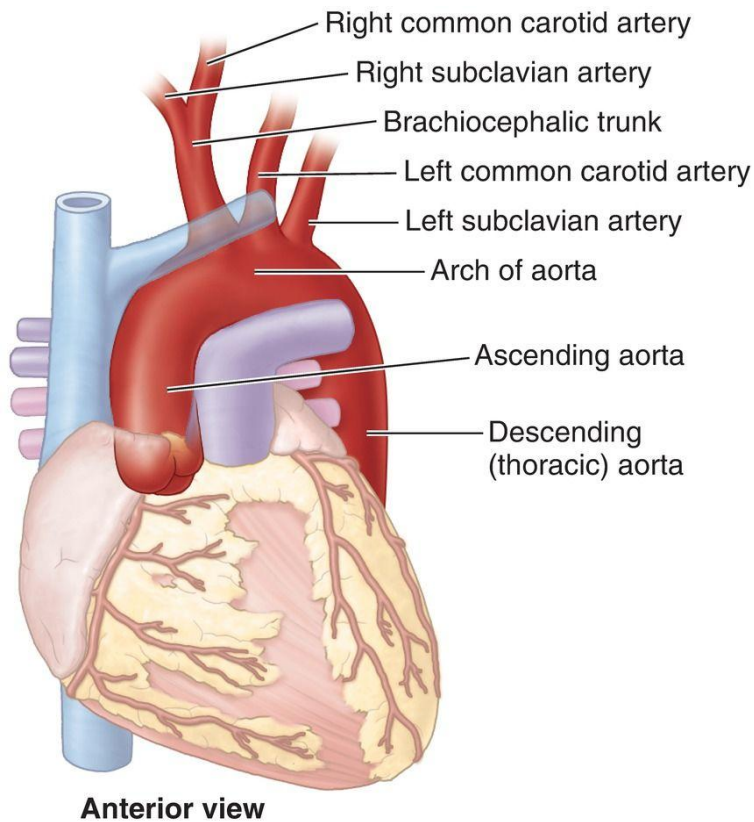
Aorta

Ascending aorta
Arch of aorta
Descending aorta

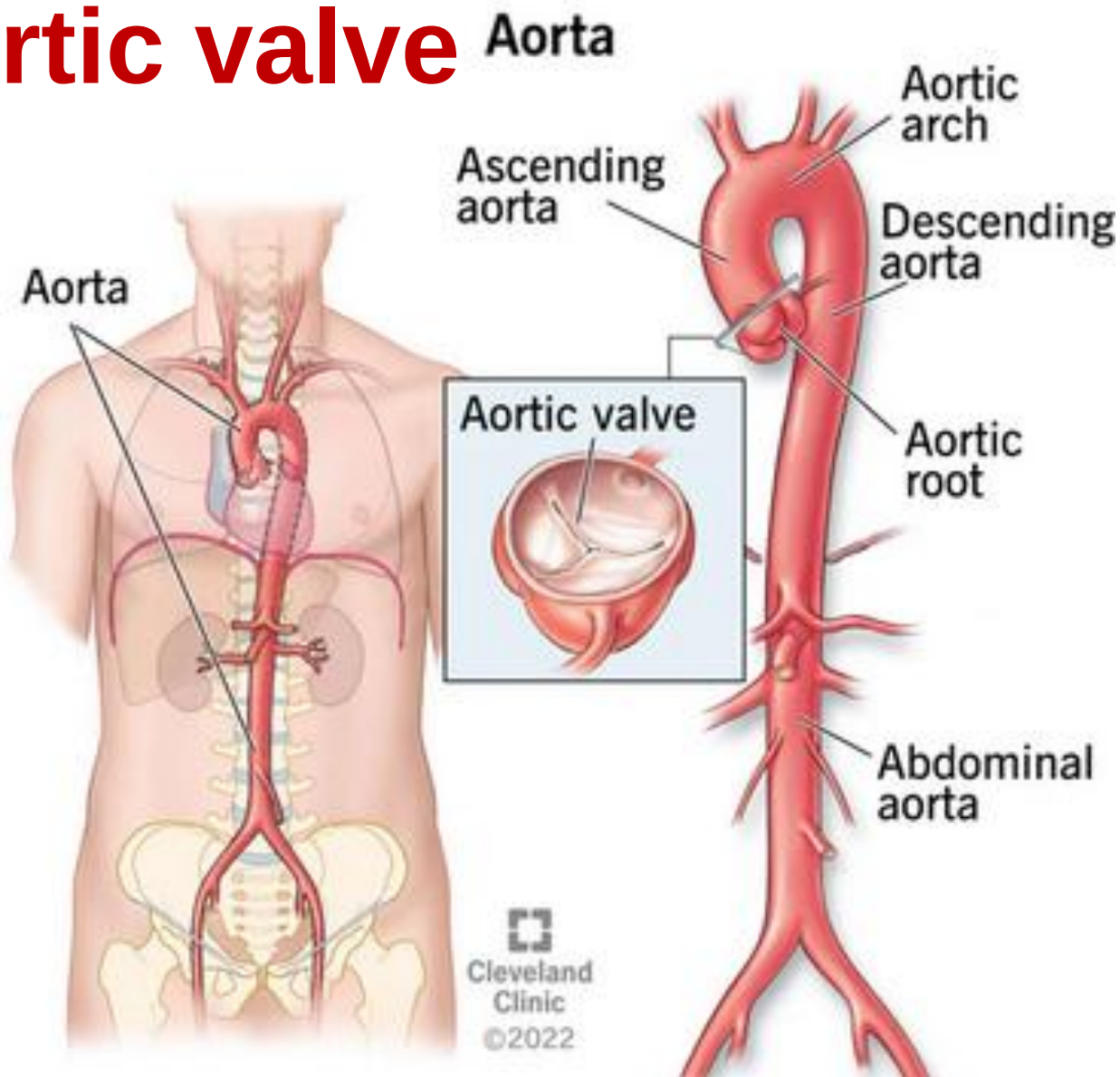


Ascending aorta

Right coronary
Left coronary

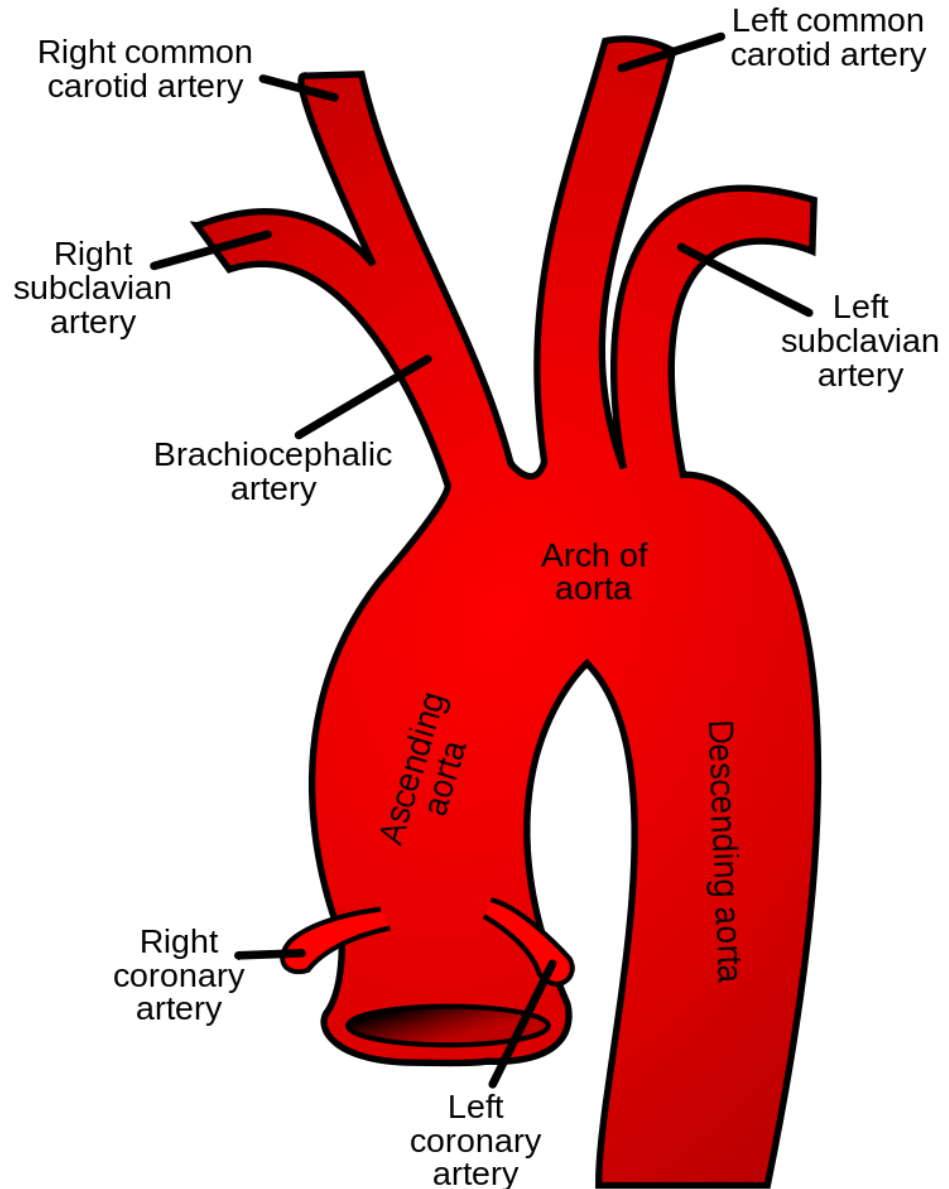


Aortic valve



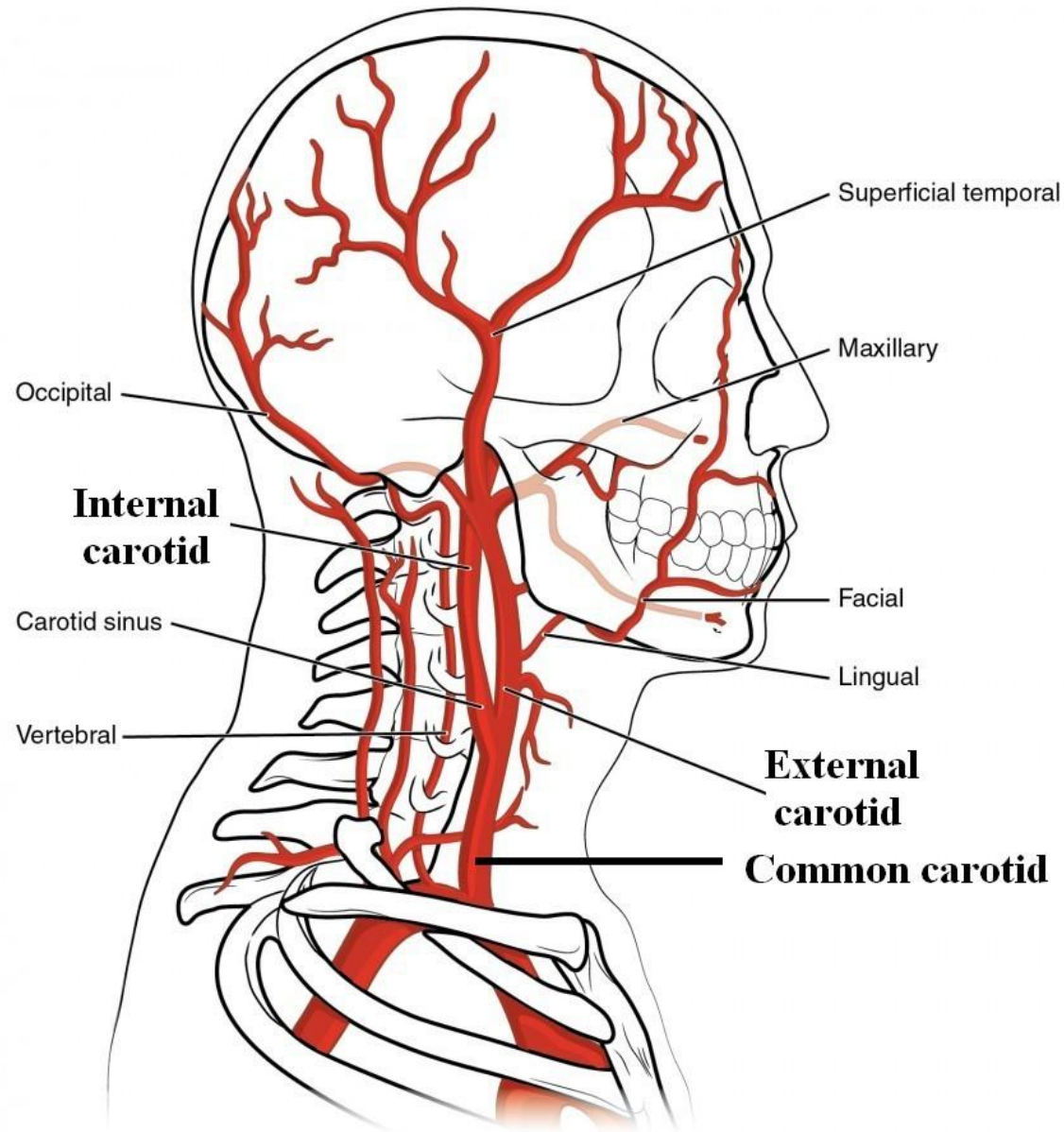
Arch of aorta

Brachiocephalic
left common carotid
Left Subclavian



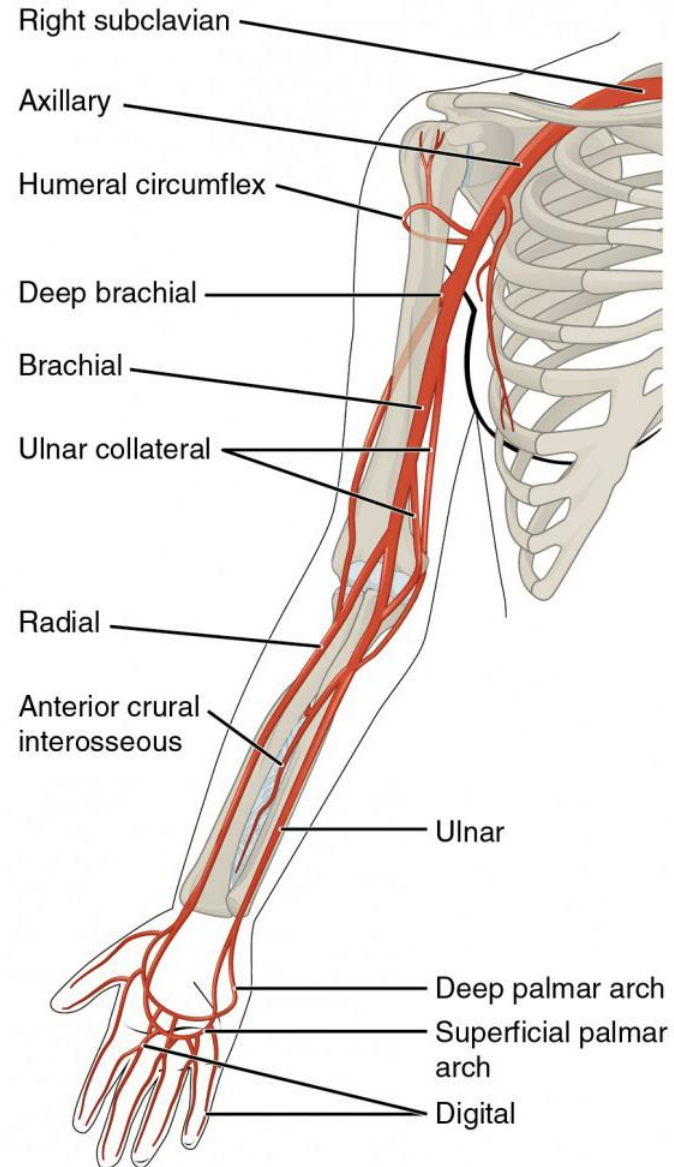
Common carotid artery

Internal carotid
External carotid

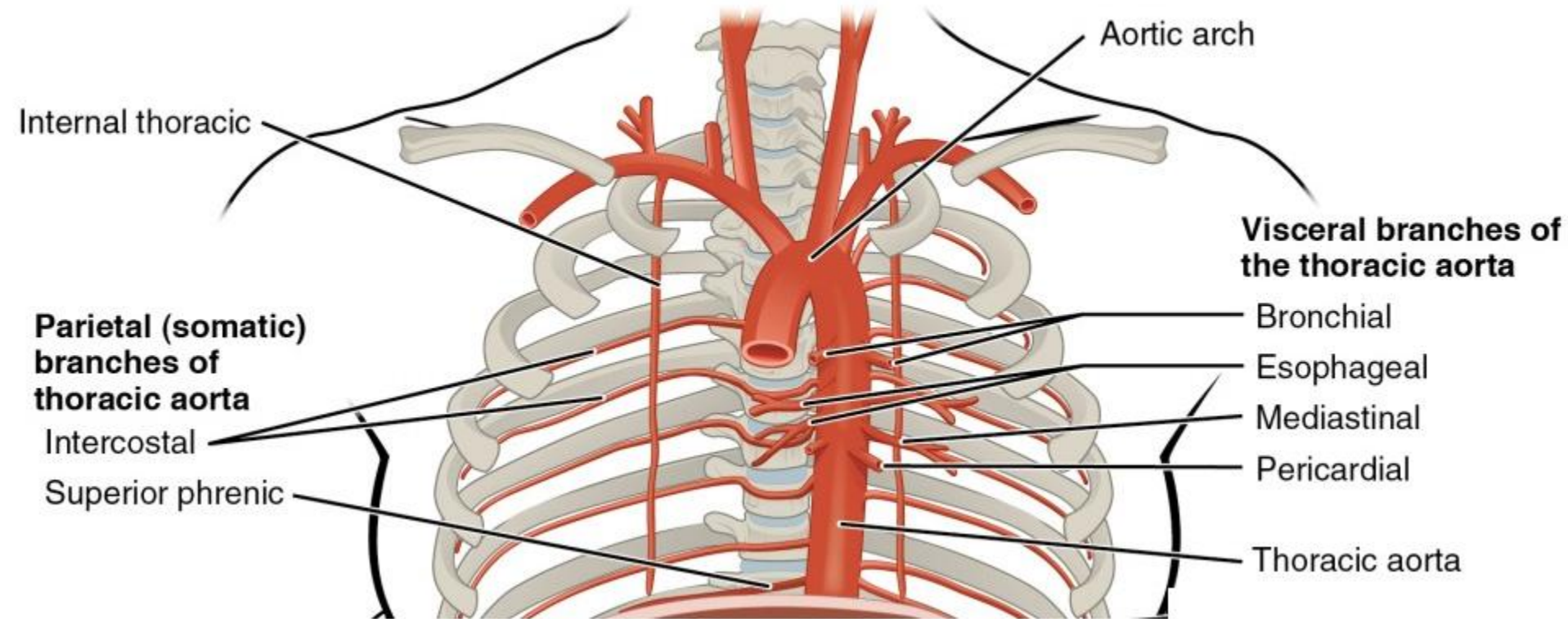


Subclavian artery

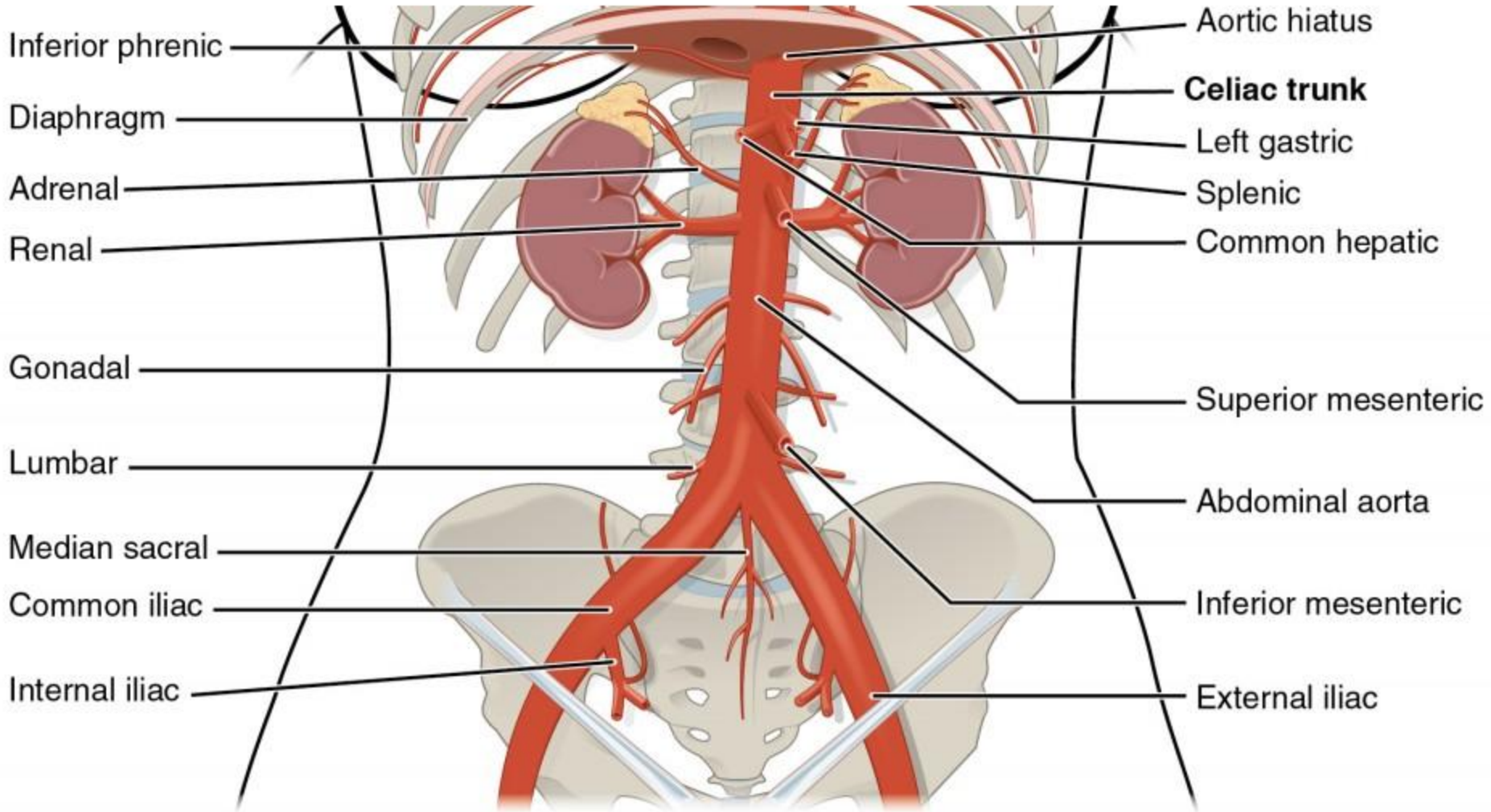
Axillary
Brachial
Radial
Ulnar



Descending aorta (thoracic aorta)

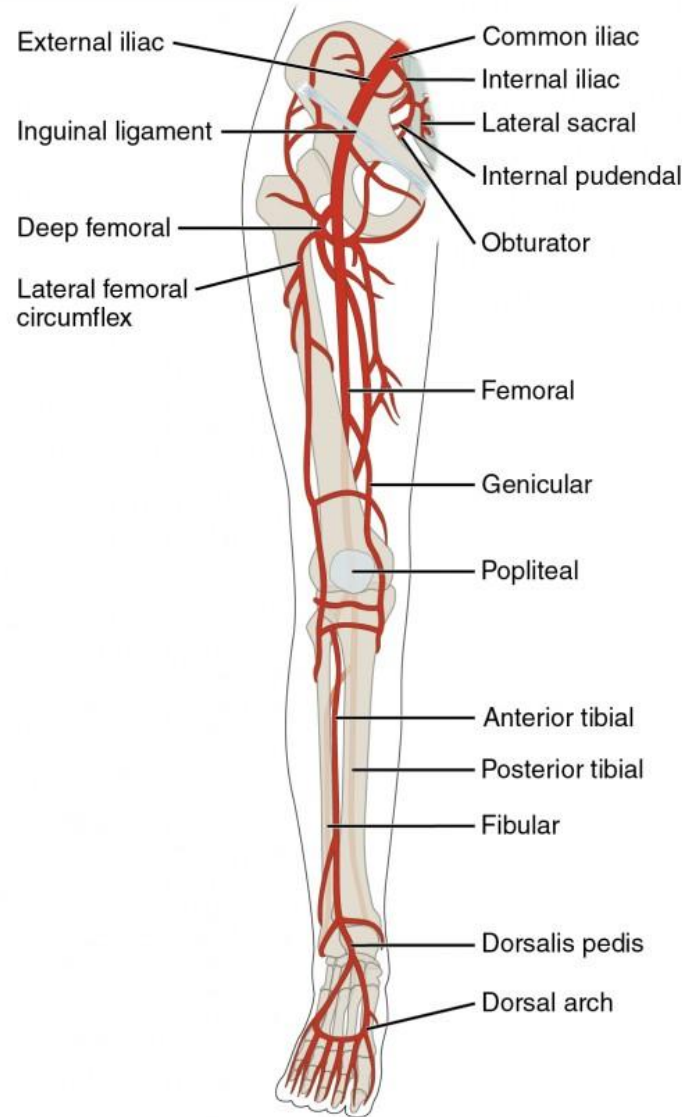


Descending aorta (abdominal)

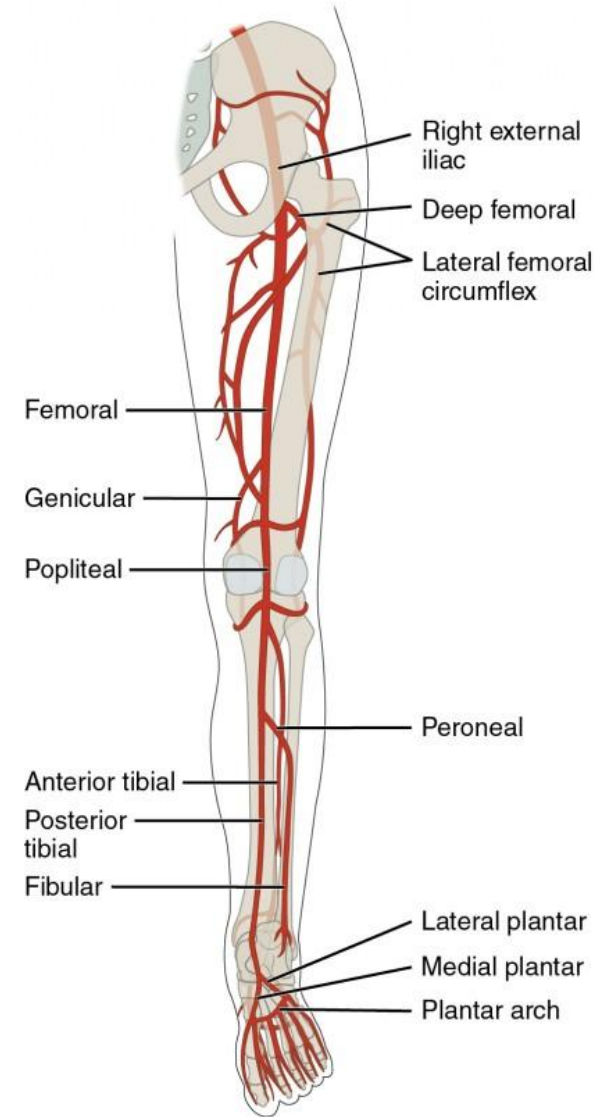


Common iliac artery

- External iliac
- Femoral
- Popliteal
- Posterior tibial
- Anterior tibial
- Dorsal pedis



Anterior view



Posterior view

Pulse

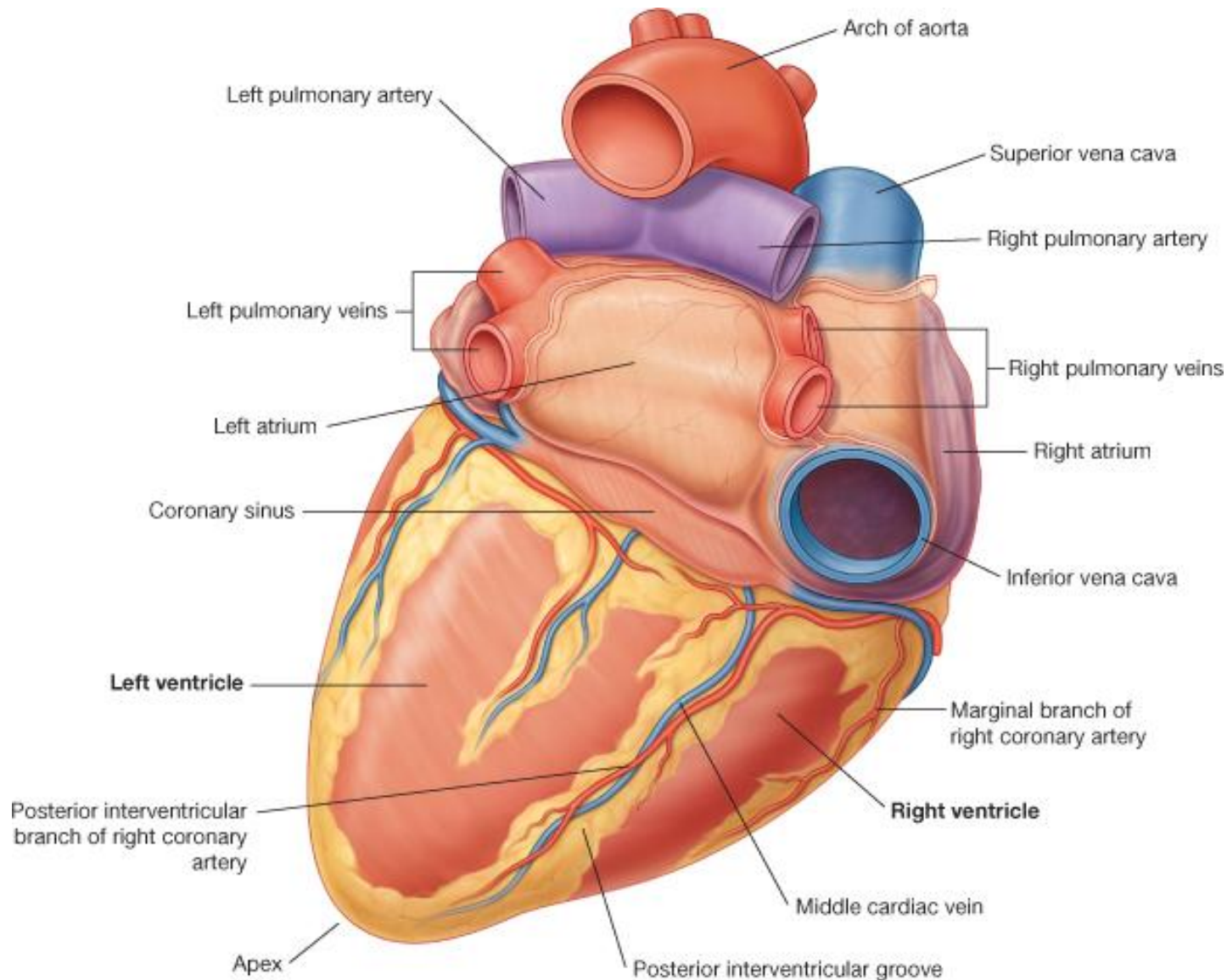
The radial pulse is felt on the wrist, just under the thumb



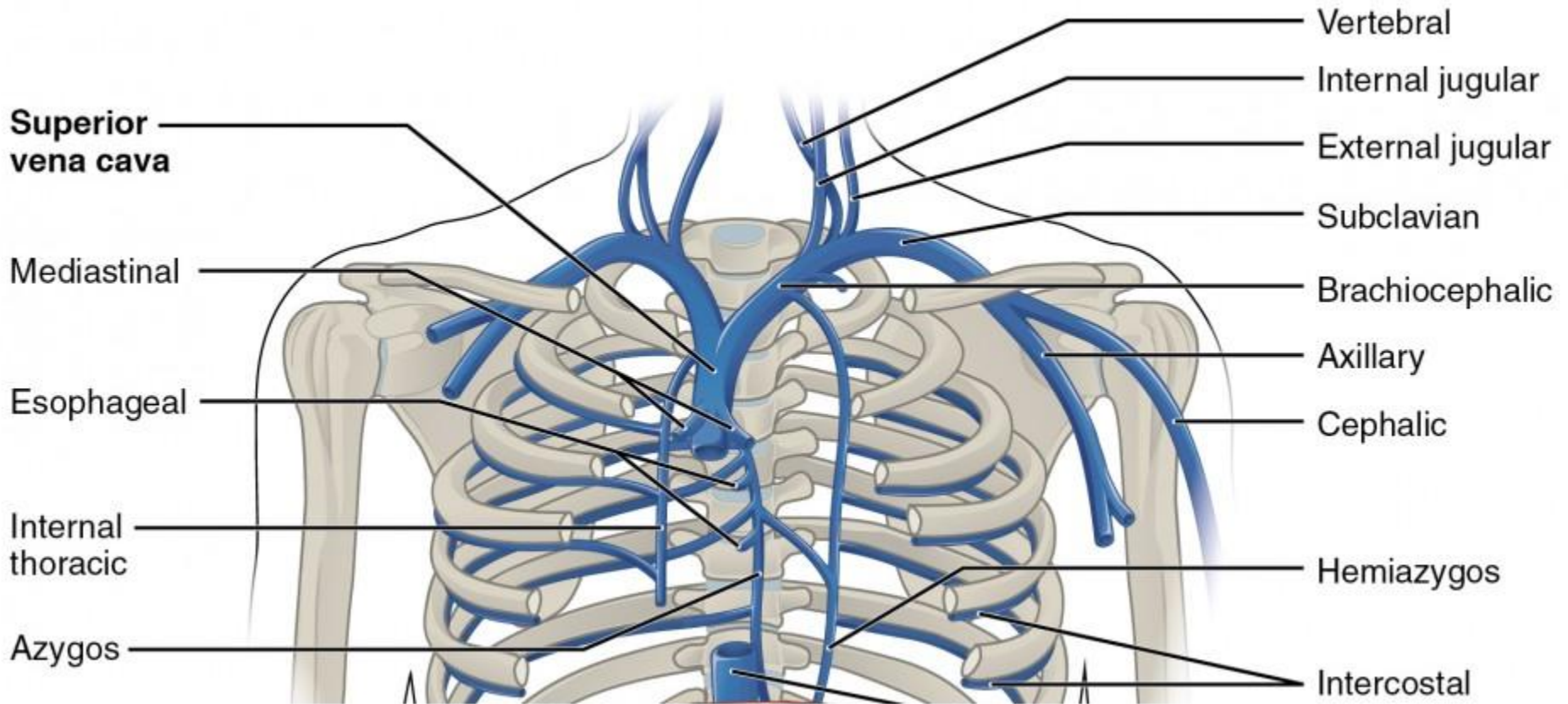
When feeling for the carotid pulse under the angle of the jaw, use very light pressure



Pulmonary veins

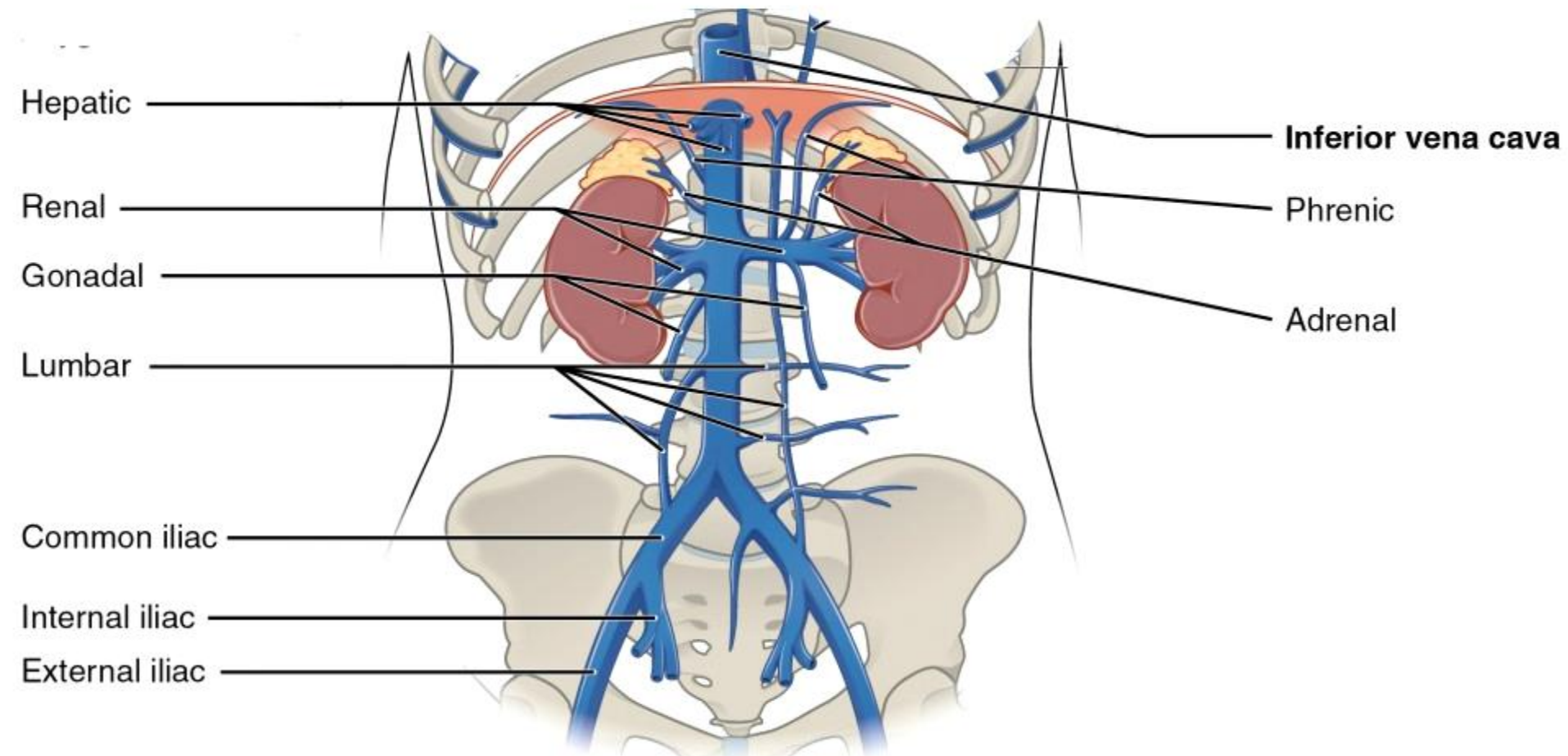


Superior vena cava



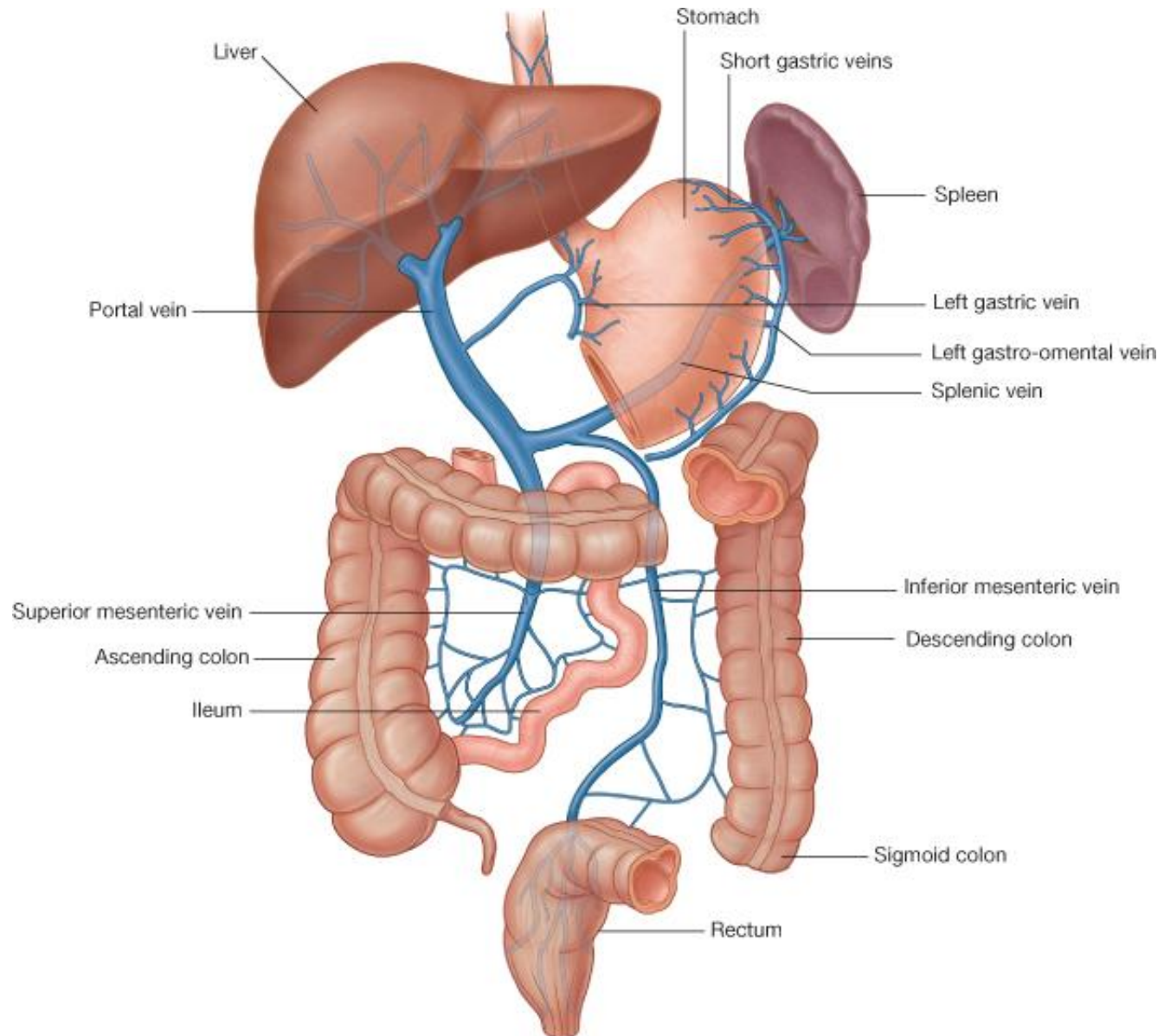
External jugular , Internal jugular
Brachiocephalic (Left and right)
Subclavian (Left and right)
Azygos

Inferior vena cava

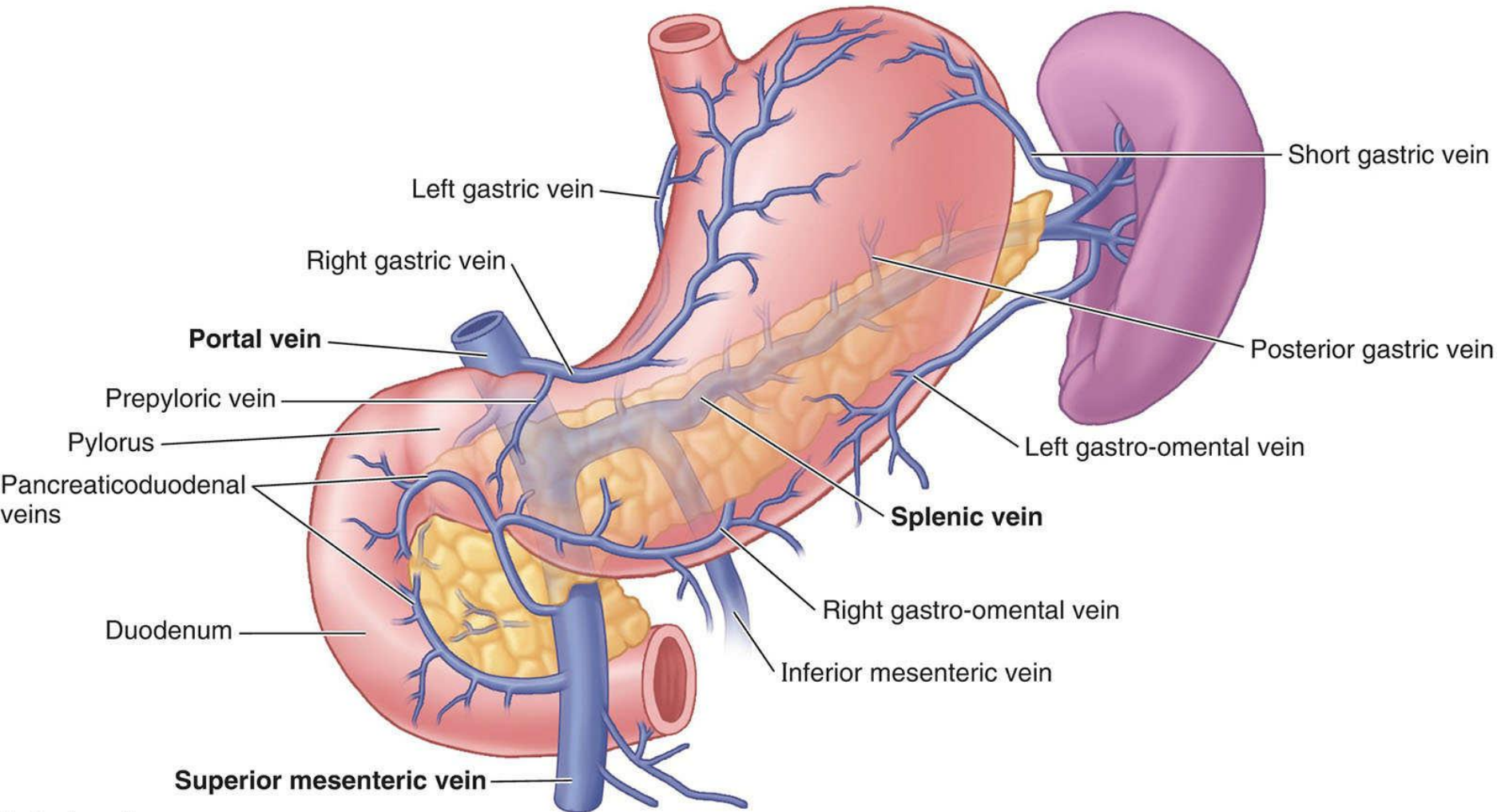


Common iliac(Right & left) ,Hepatic vines ,Right suprarenal
Renal ,Lumbar,Right gonadal

Portal vein

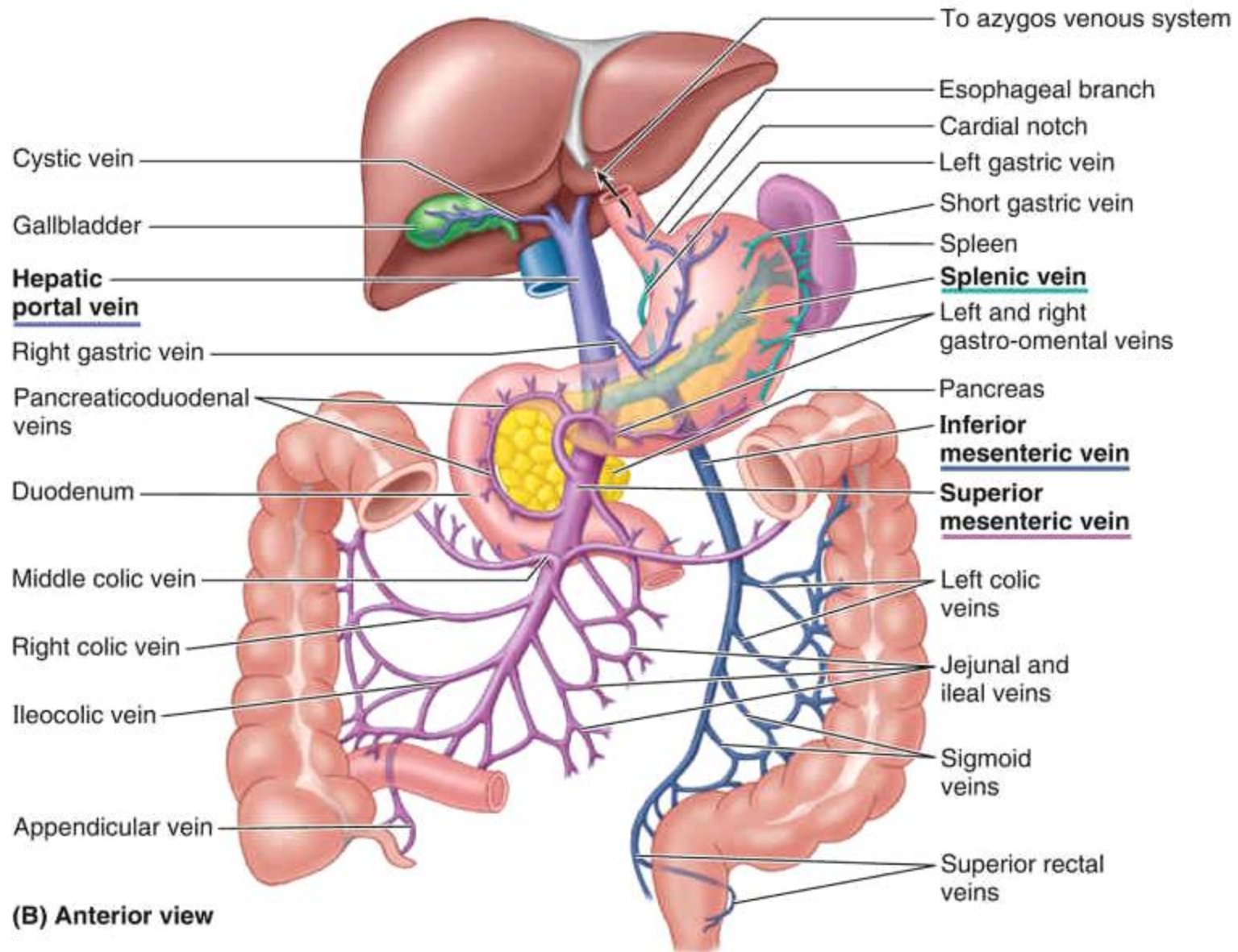


Portal vein



Anterior view

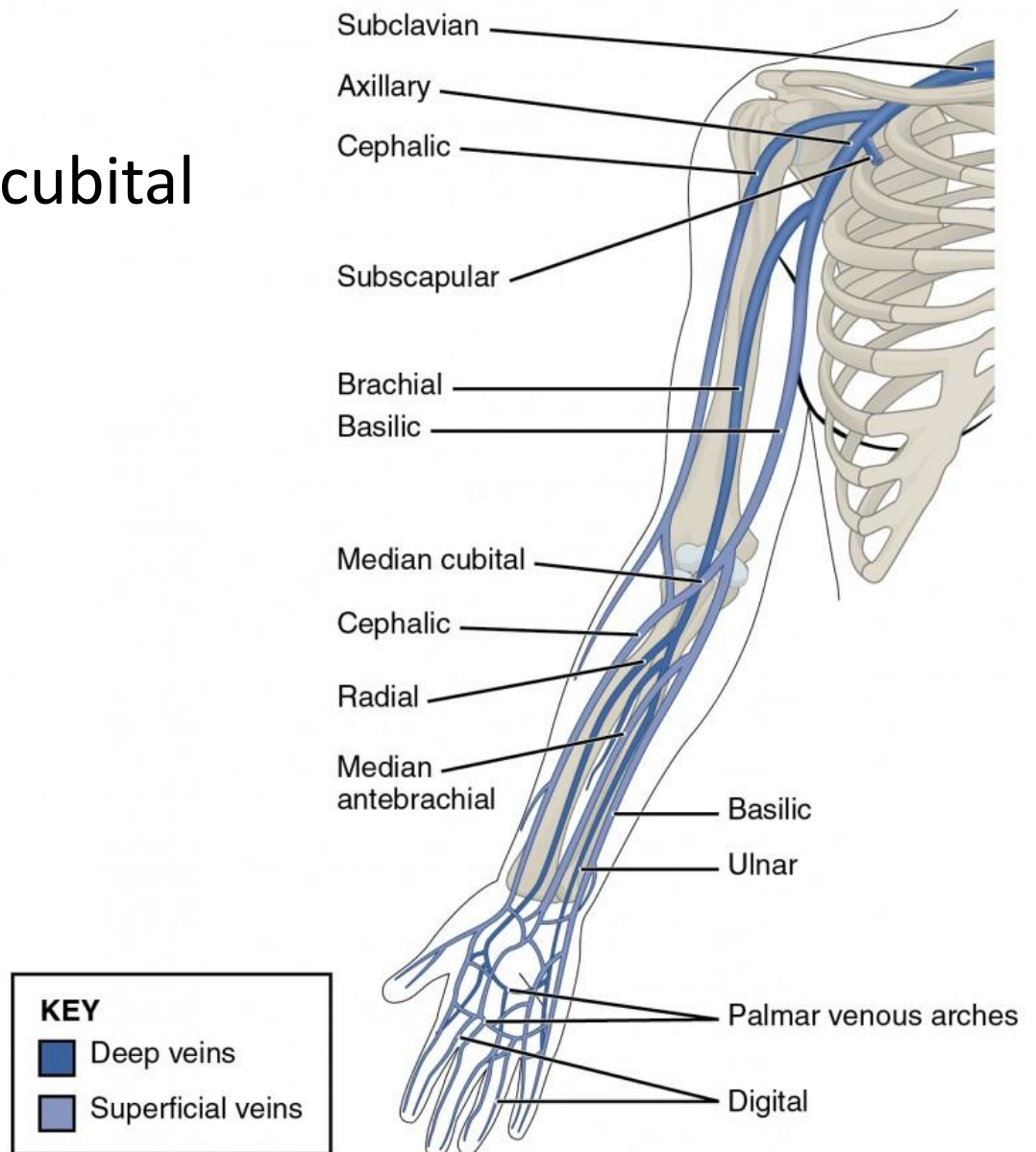
Portal vein



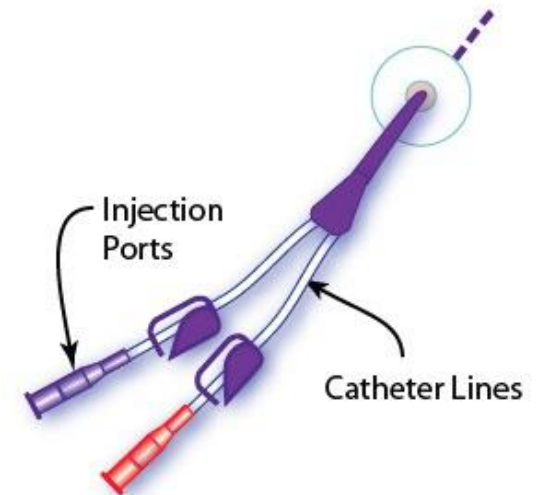
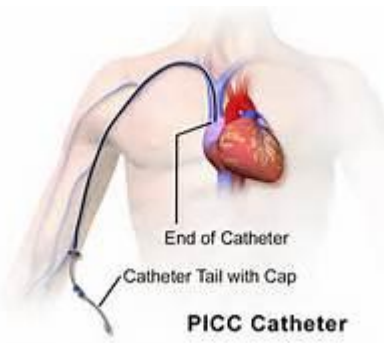
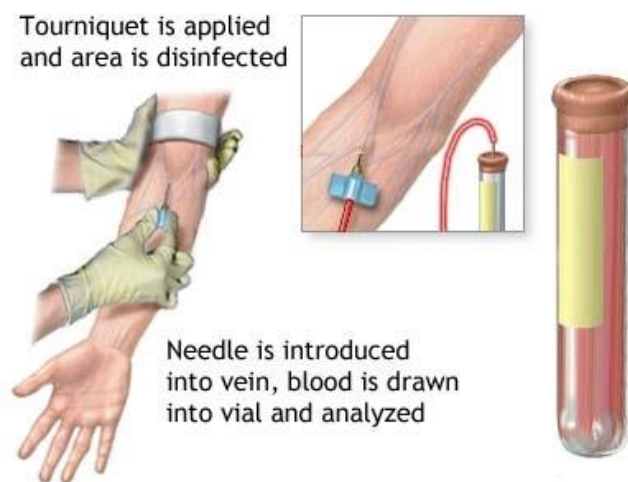
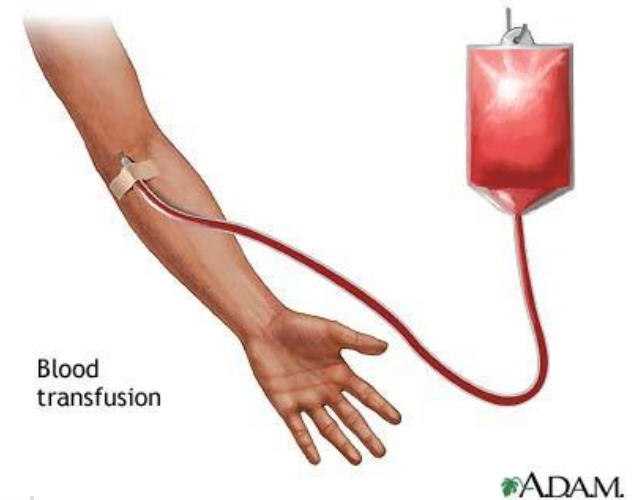
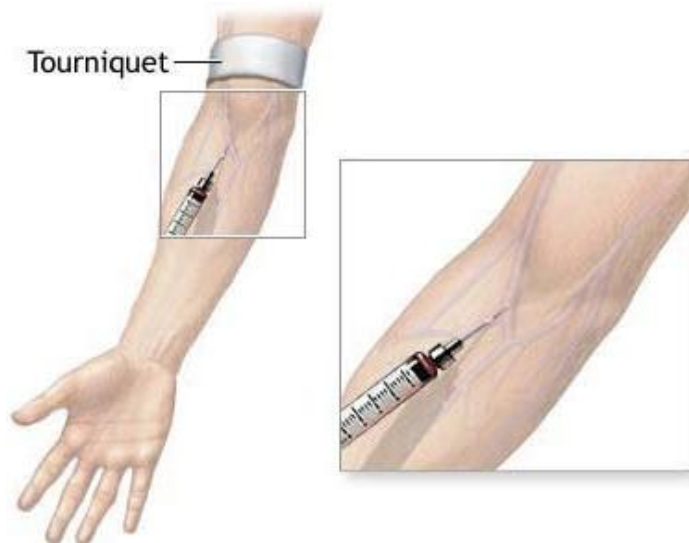
Superficial veins

Superficial veins of the
limb

Basilic, Cephalic, Median cubital

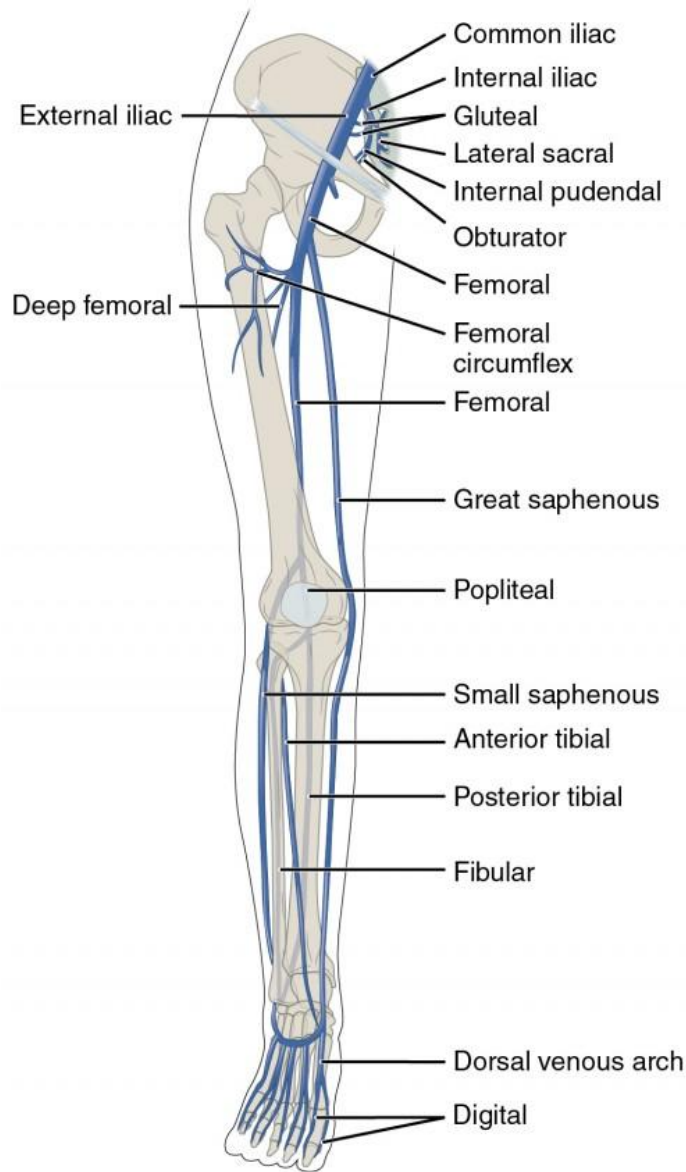


Median cubital vein clinical importance

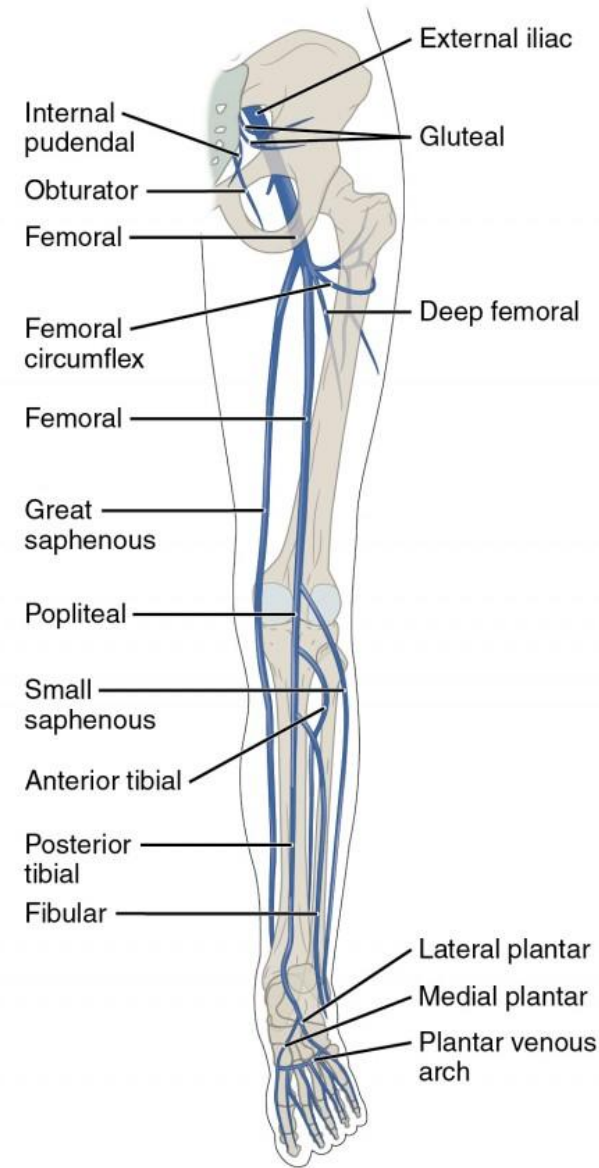


Superficial veins

Superficial veins
of the lower limb
Great and small
saphenous



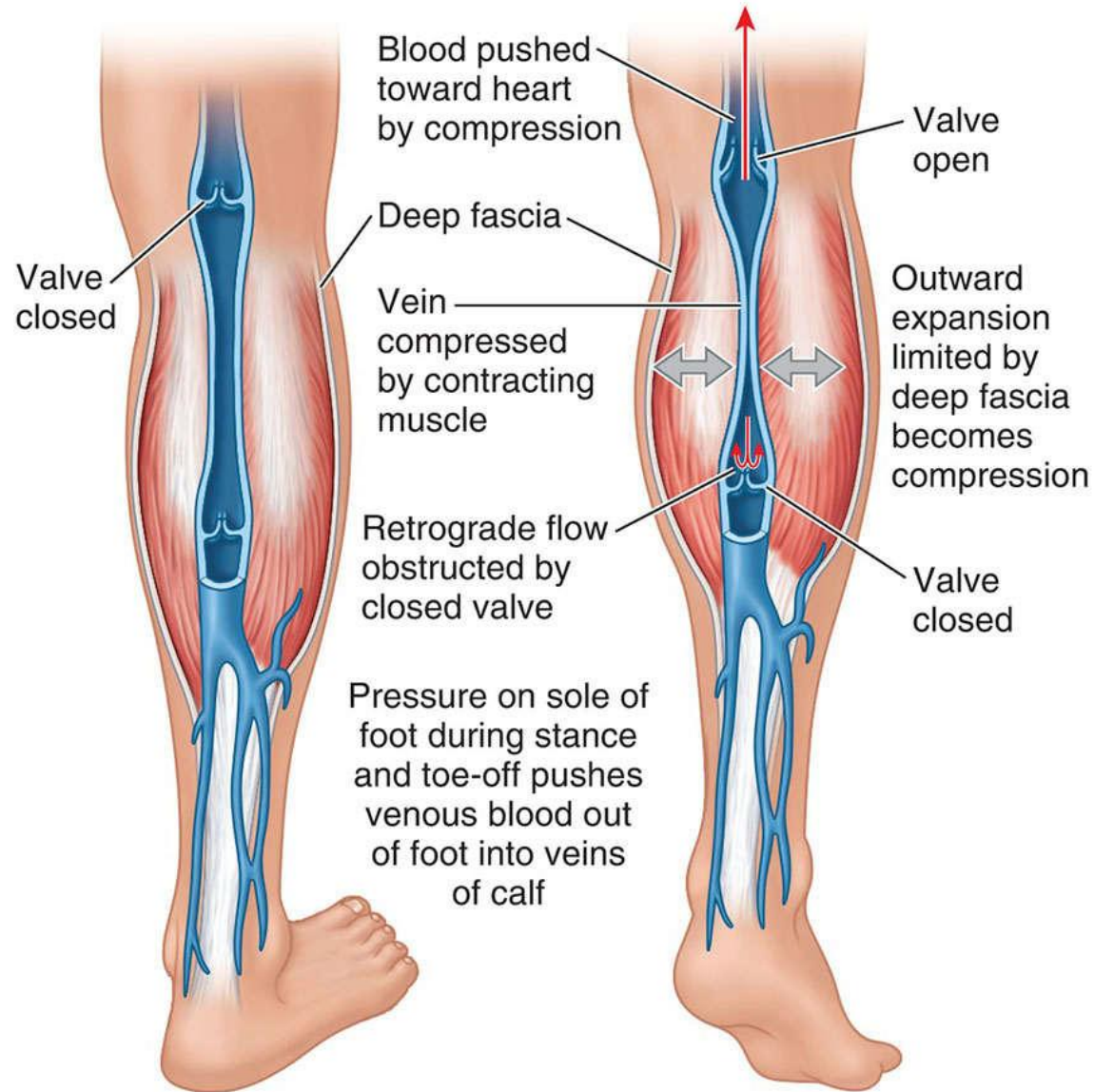
Anterior view



Posterior view

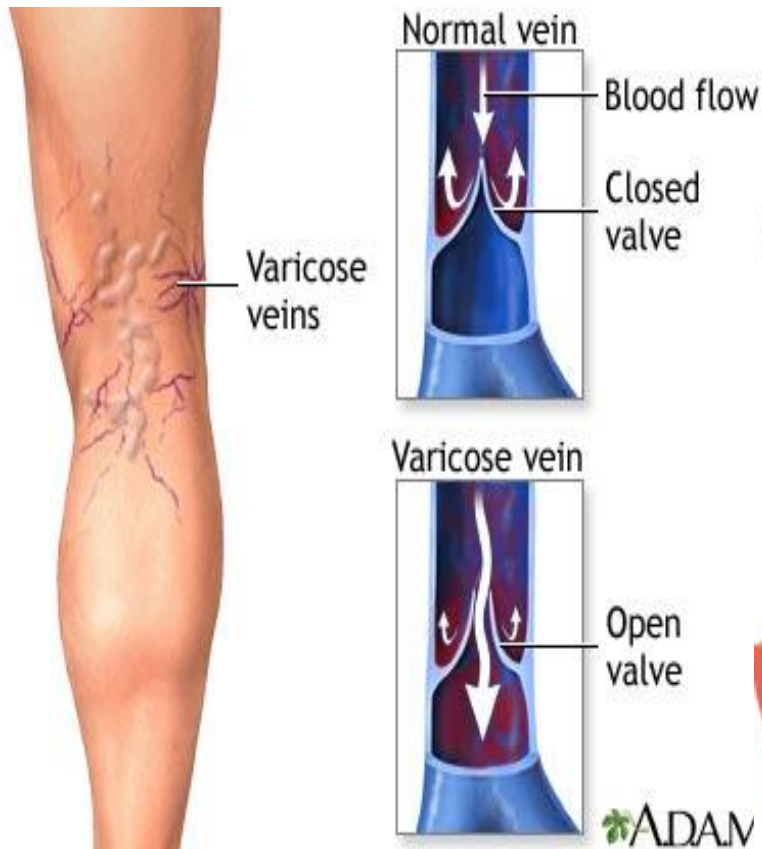
Valves in veins prevent backflow of venous blood due to gravity or internal pressure

When skeletal muscle contracts it shortens in length but increases in girth

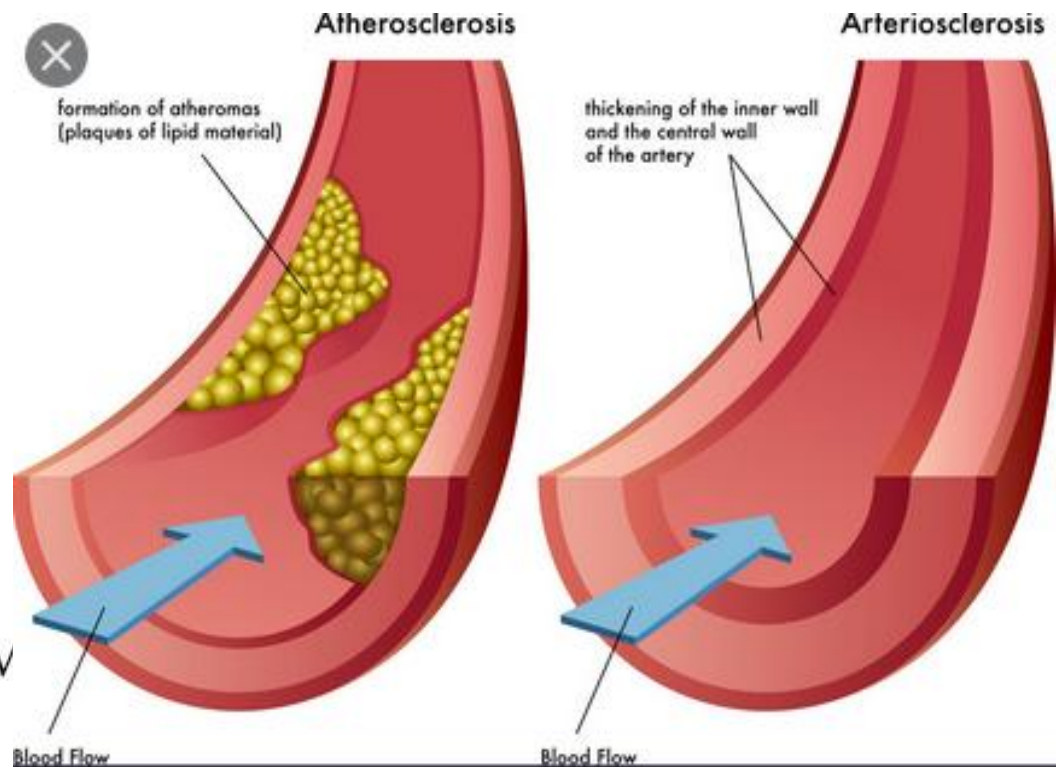


Applied anatomy

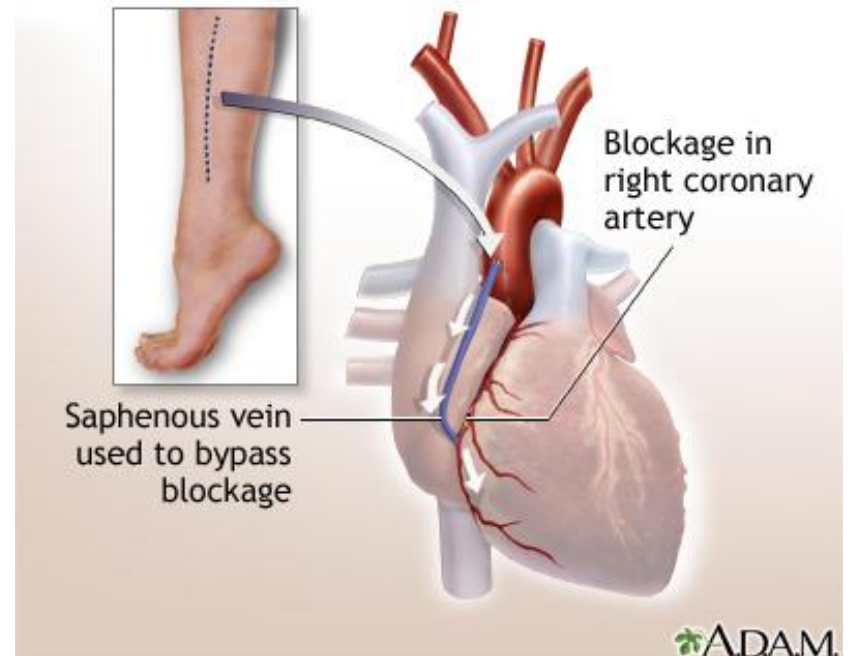
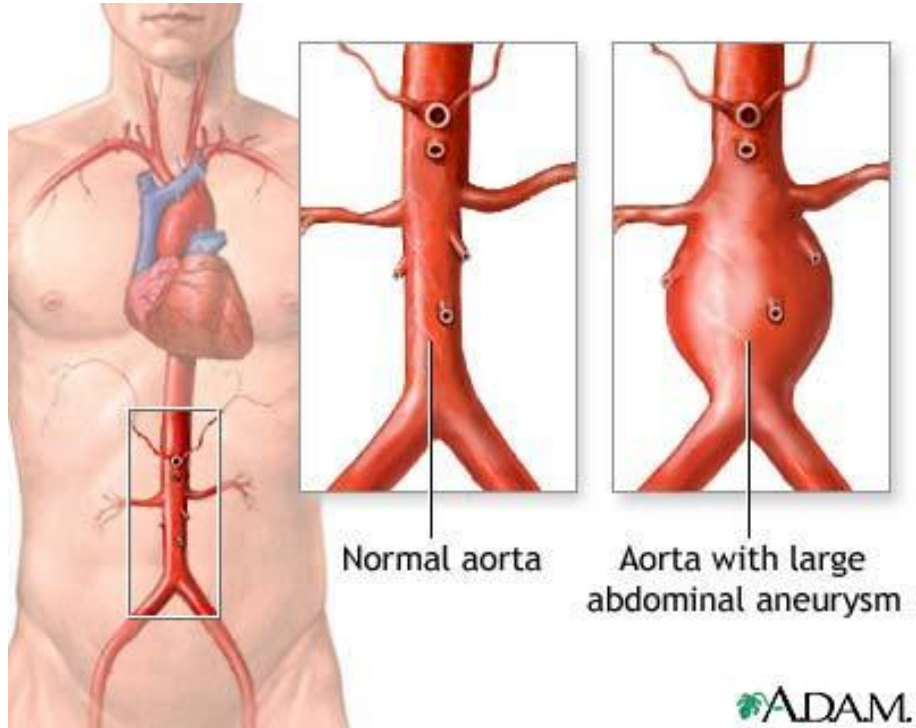
Varicose



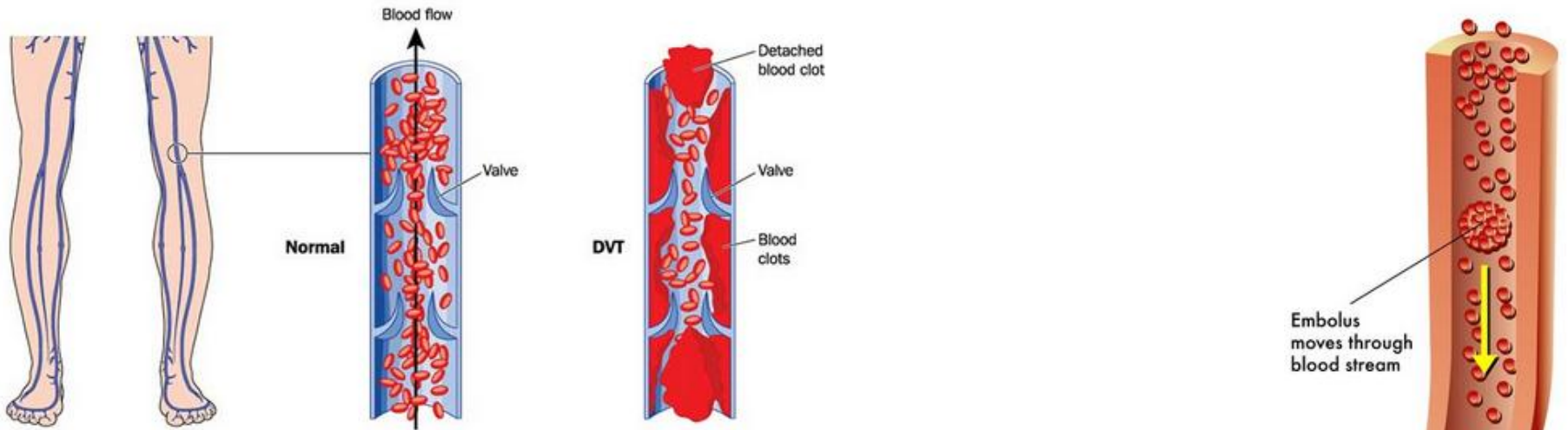
Atherosclerosis



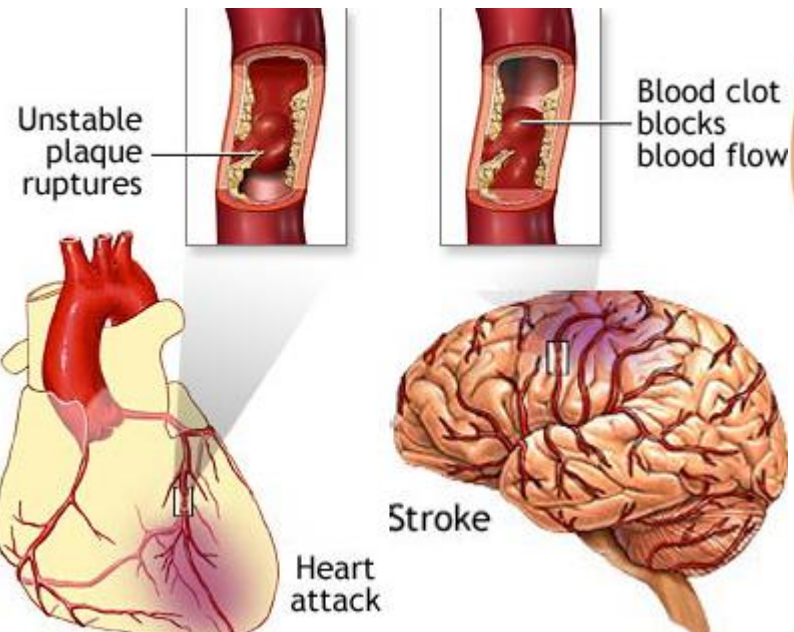
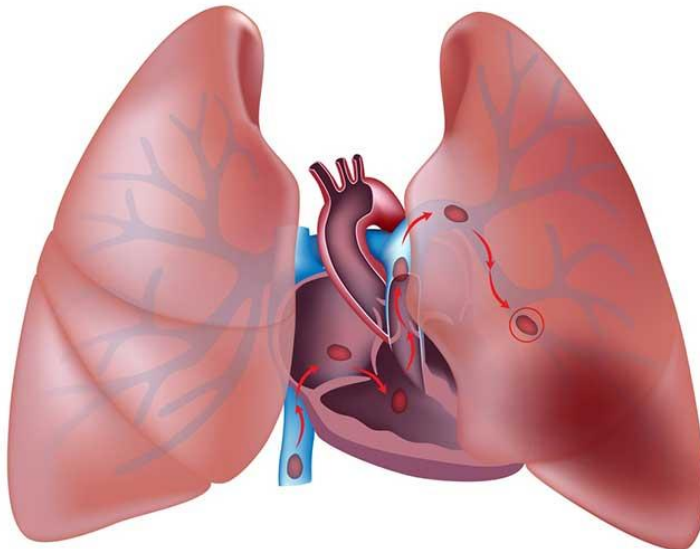
Applied anatomy

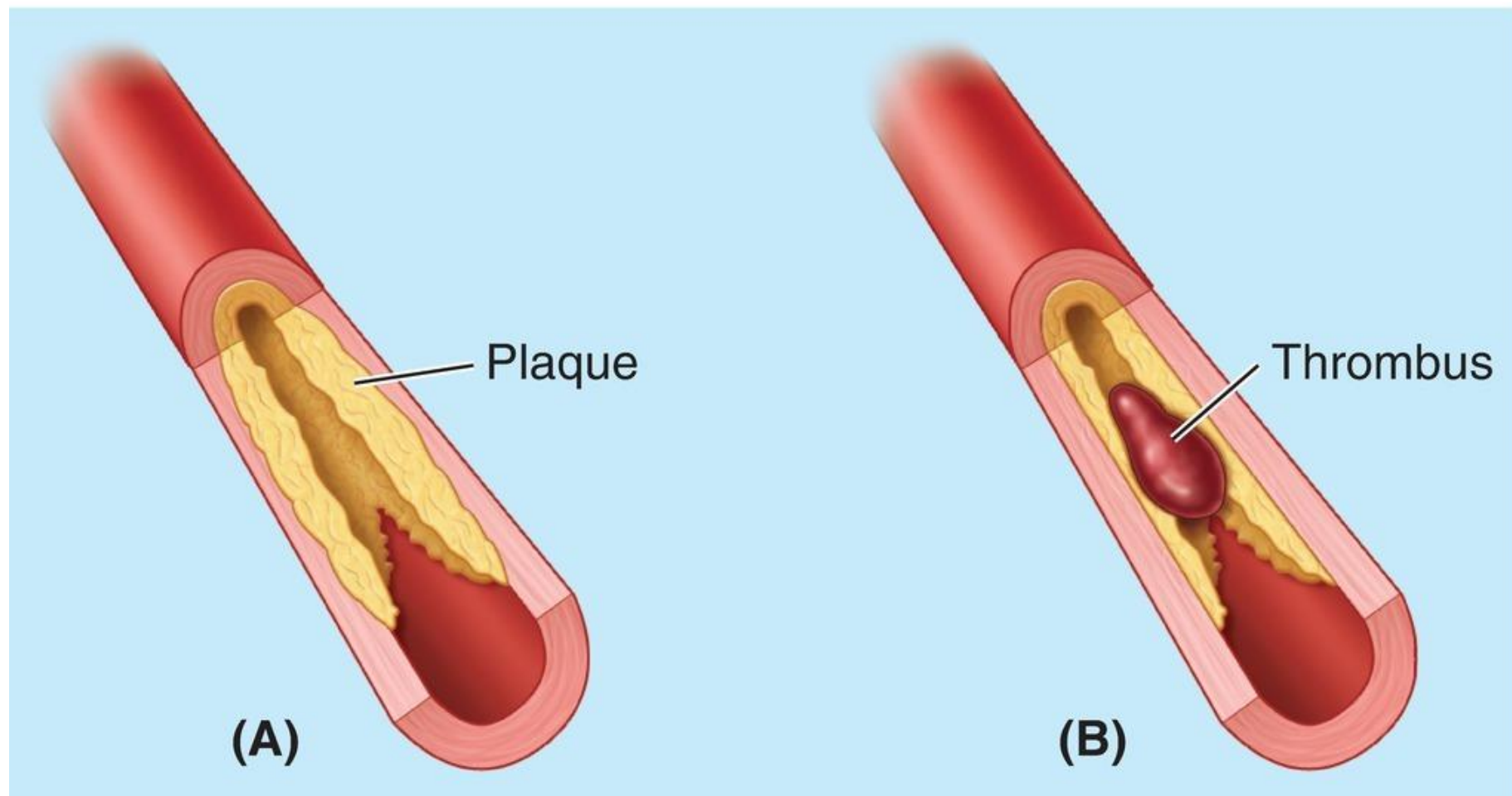


Embolus

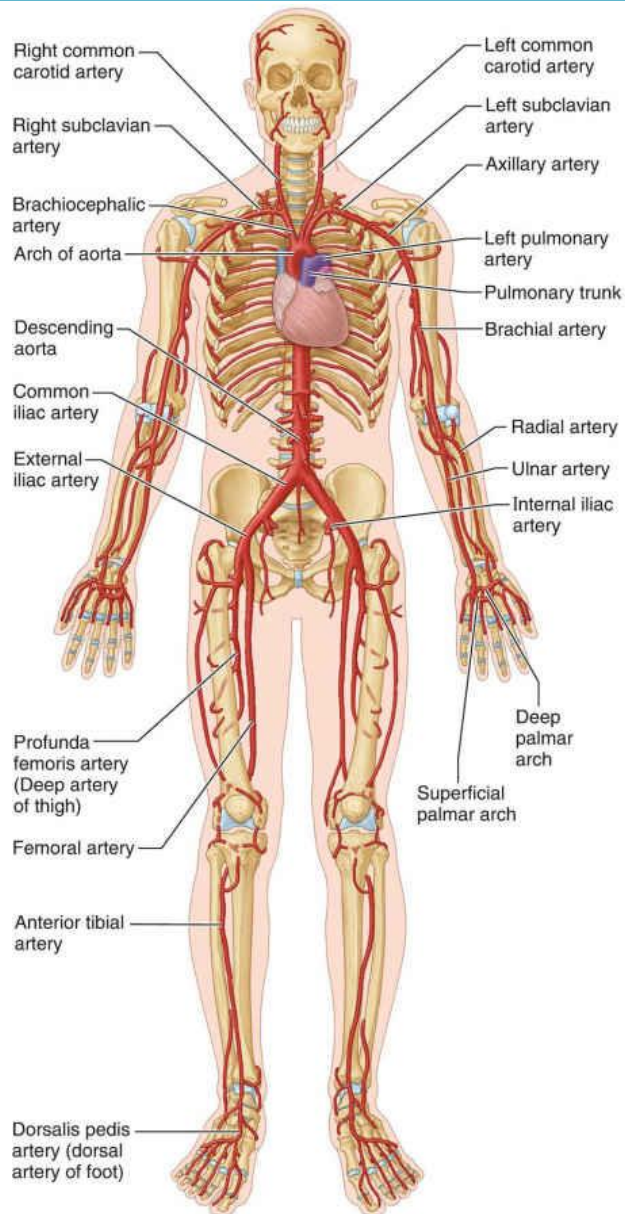


Pulmonary embolism

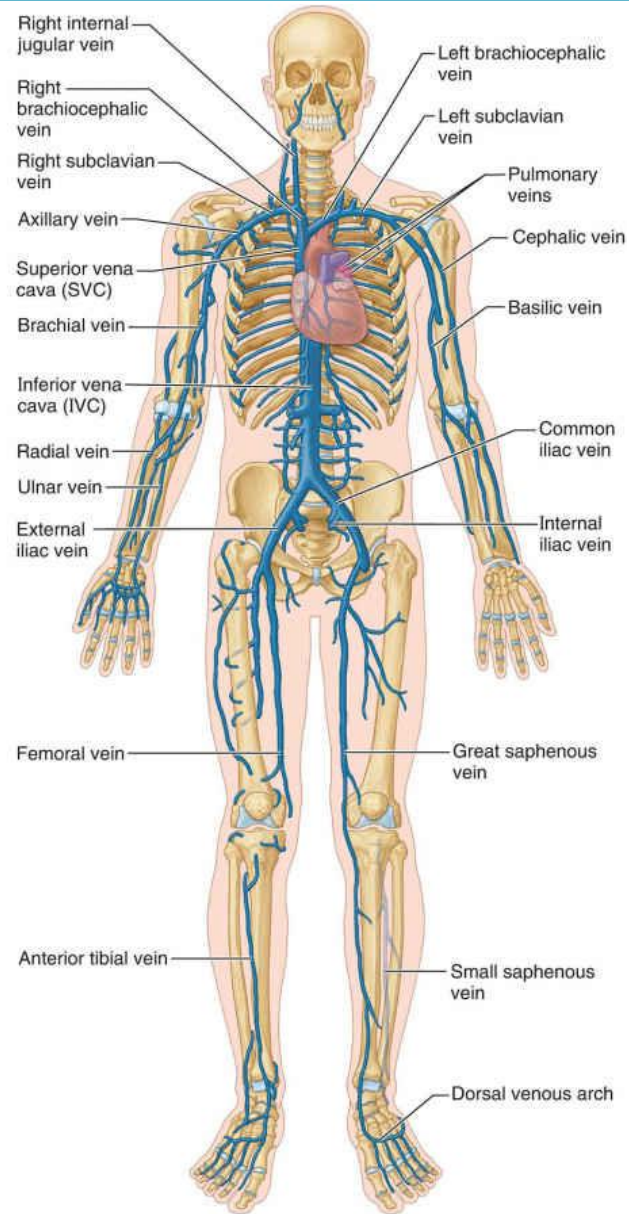




خلاصه



(A) Anterior view



(B) Anterior view

- 1-Clinical Anatomy by Regions by Richard S. Snell , 2017
- 2-Gray's Anatomy for Students, 3rd Edition, 2017
- 3-Clinical Oriented Anatomy, KL Moore, 2017
- 4-Human Anatomy,S.Fakhroodin mesbah A, sixth Edition,2017

آزمون

1- شریان ائورتا مقابل کدام مهره دوشاخه میشود؟

A-L5

B-S4

C-L4

D-S5

2- وریدهای سطحی اندام فوقانی را نام ببرید ؟

شاد و سلامت

باشید

گروه علوم تشریحی
دانشکده پزشکی شیراز
سعید کربلایی دوست

