

General features

Closed tubes (except spleen)

Variable wall

Permeable (only capillaries)

Layers of elastic artery

Tunica intima (Inner layer) :epithelium:endothelial cell,sub endothelial ct,smooth muscle

Tunica media (middle layer) Thickest layer,- mostly made of smooth muscle arranged in parallel and elastic lamina

Tunica adventitia(outermost) Typical dense irregular ct (collagen bundle, fibrocyte/blast)

—vasa vasorum: bld vessel mostly found in Adventitia but could be found in media supplies the wall of the heart —elastic lamina: sheet of elastin, open not solid sometimes interconnected

Vascular system

Large veins Heart Elastic/conducting arteries (high pressure)(highly elastic) aorta and its main branches

Veins -> -> lymph Muscular/distributing arteries: smaller less elastic

Venules Arterioles

Post capillary venules ↔ □

Elastic artery

Elastic artery

Largest vessel

3 layers :

Tunica intima(inner layer)

Tunica media(middle layer)

Tunica adventitia(outermost layer)



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