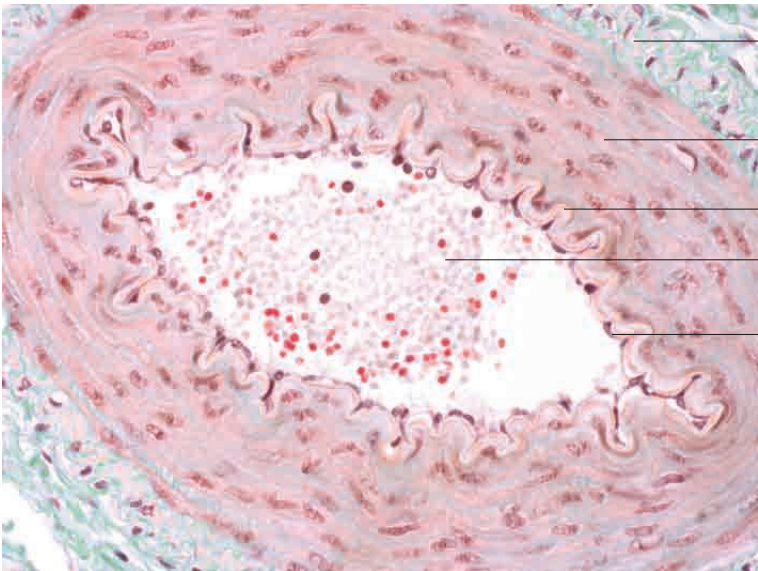
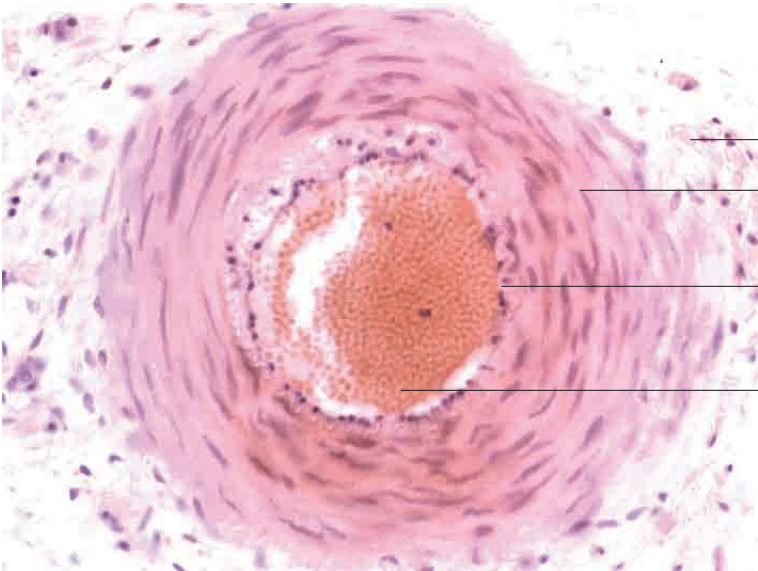
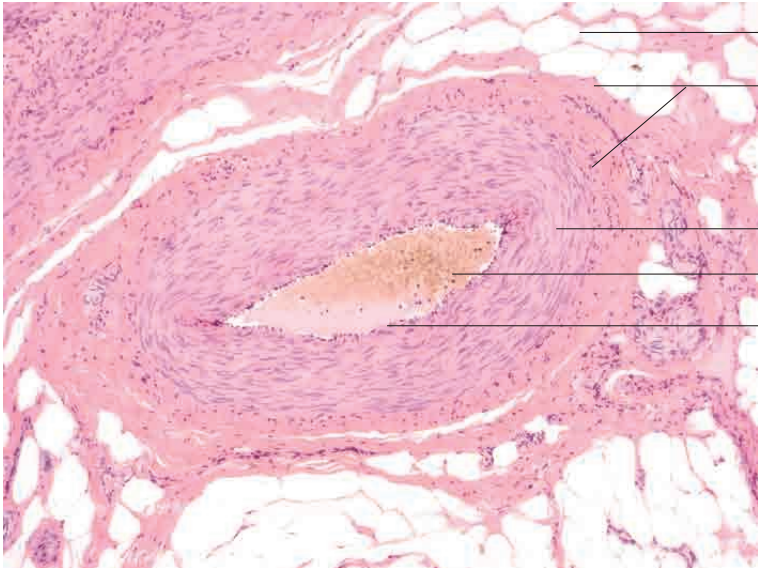
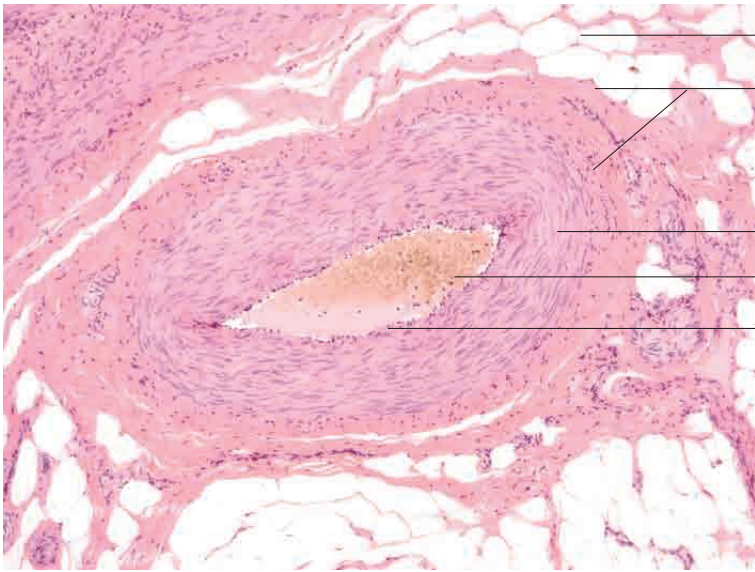


6 Circulatory system

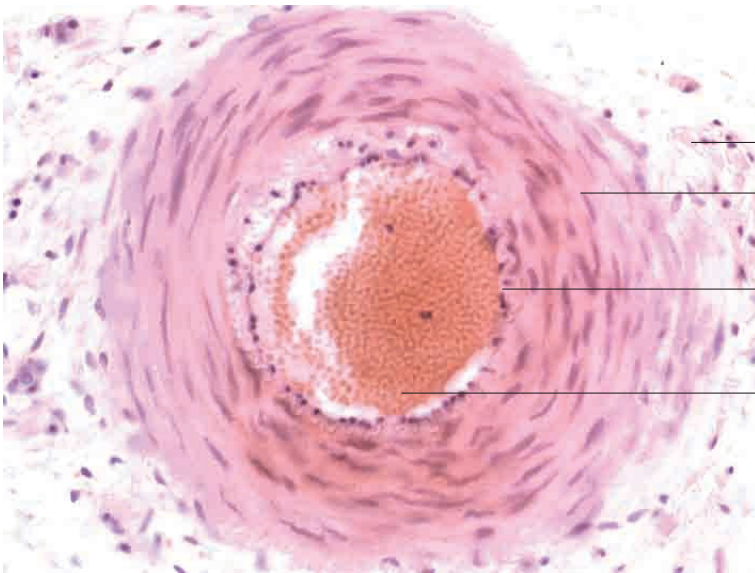
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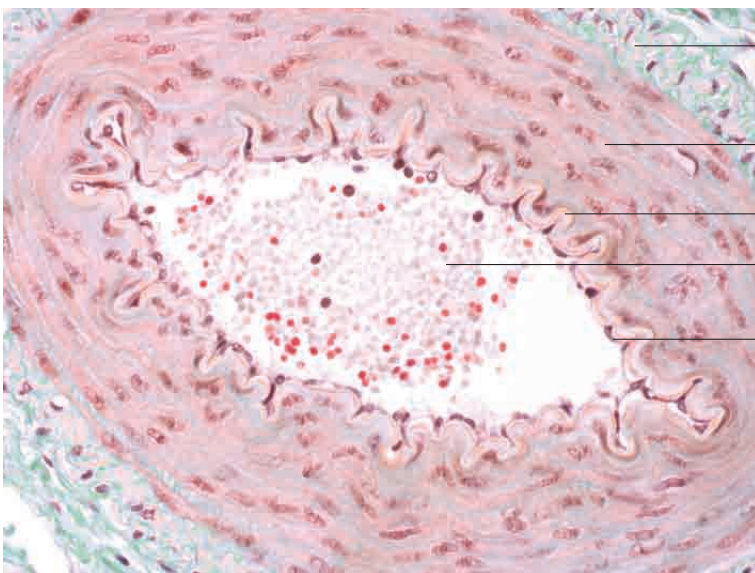
- Unilocular adipose tissue
- Adventitia (tunica externa)
- Media (tunica media)
- Lumen of artery with blood
- Intima (tunica interna)

Artery, mesentery, horse.  
H.E. stain; x120.



- Adventitia (tunica externa)
- Media (tunica media), smooth muscle cells
- Intima (tunica interna) with endothelium and internal elastic membrane
- Blood-filled lumen of artery

Artery, metatarsus, dog.  
H.E. stain; x360.

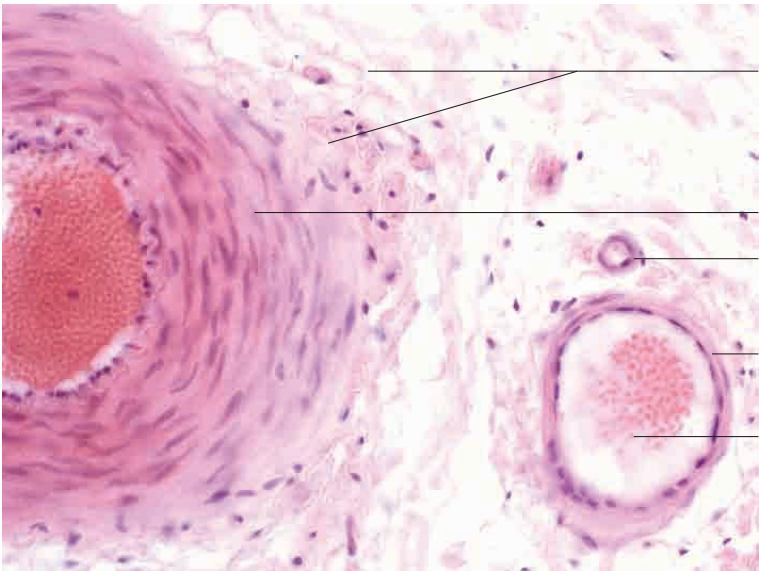
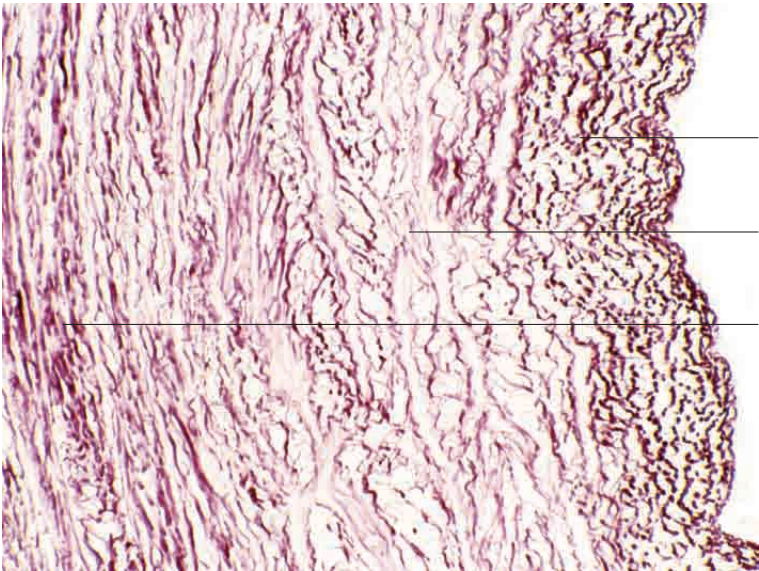
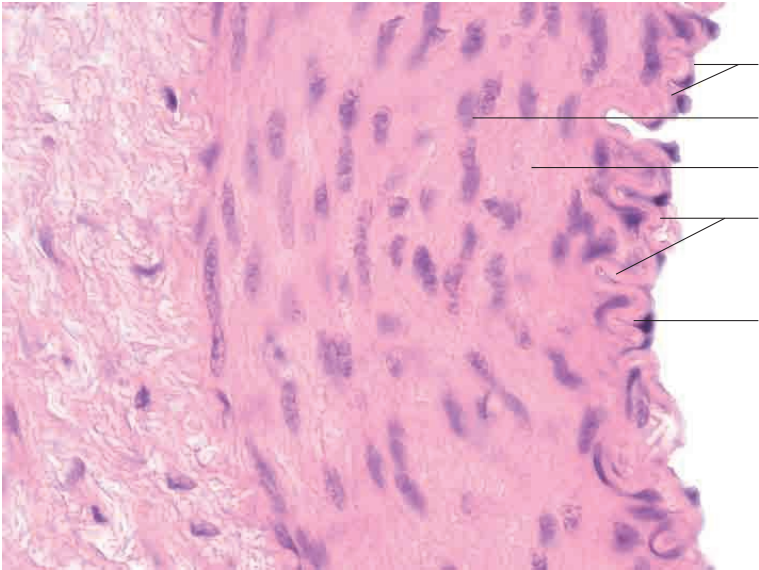


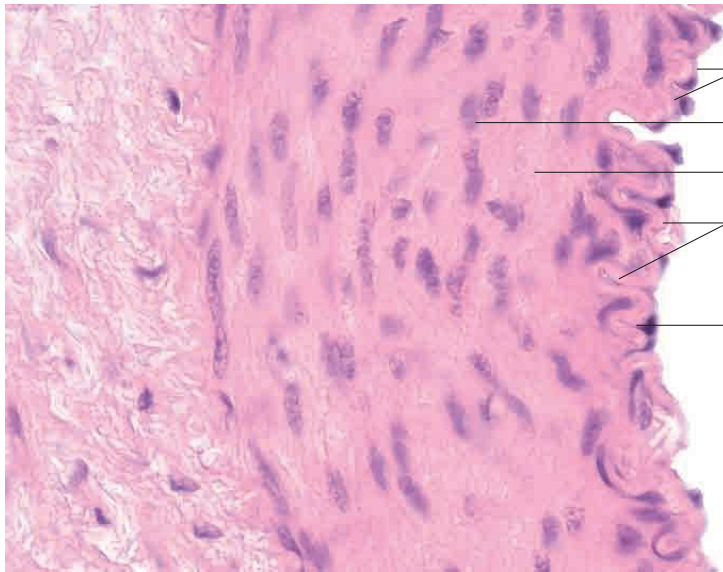
- External elastic membrane
- Smooth muscle cells in tunica media
- Internal elastic membrane
- Blood-filled lumen
- Nucleus of endothelial cell

Artery, metatarsus, dog.  
H.E. stain; x480.

6 Circulatory system

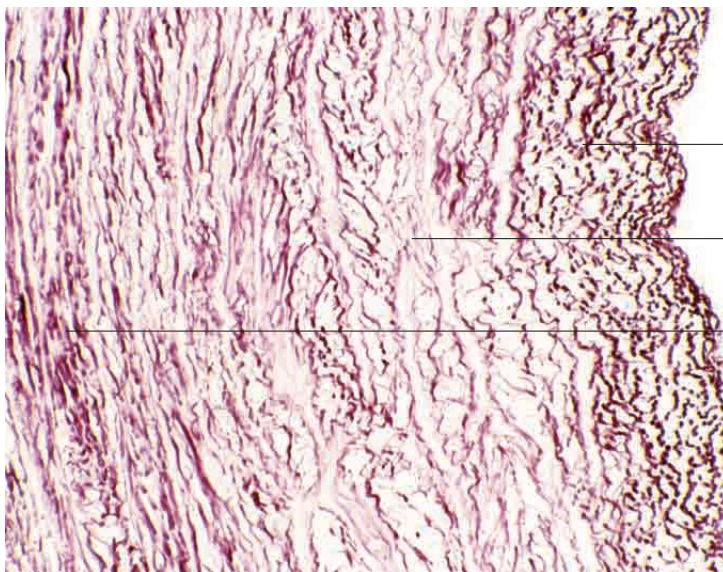
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- Nucleus of endothelial cell
- Nucleus of smooth muscle cell in tunica media
- Tunica media
- Internal elastic membrane of tunica intima
- Subendothelial layer

Artery, pig. H.E. stain; x480.



- Internal elastic membrane
- Elastic fibres in tunica media
- External elastic membrane

Artery, calf. Resorcin-fuchsin, nuclear fast red stain; x300.

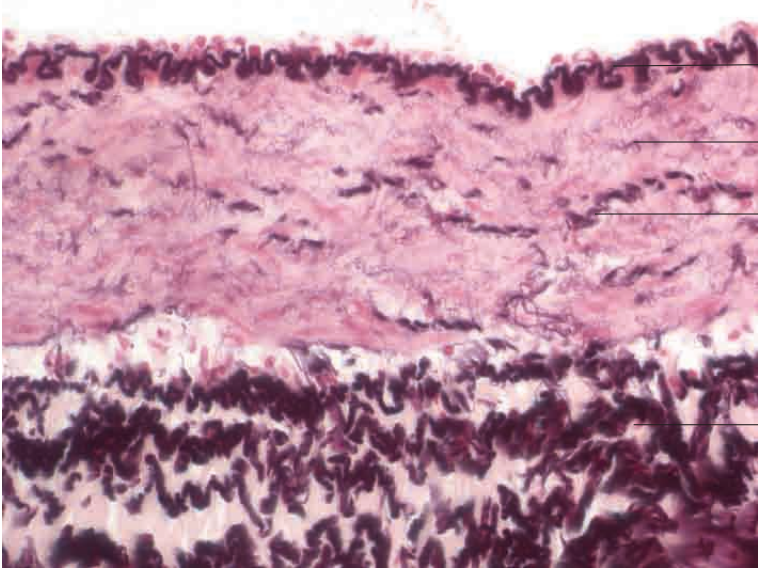
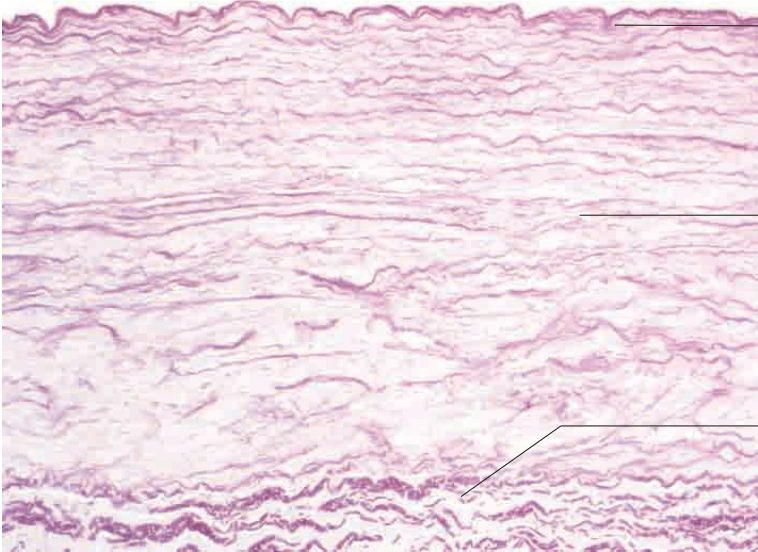
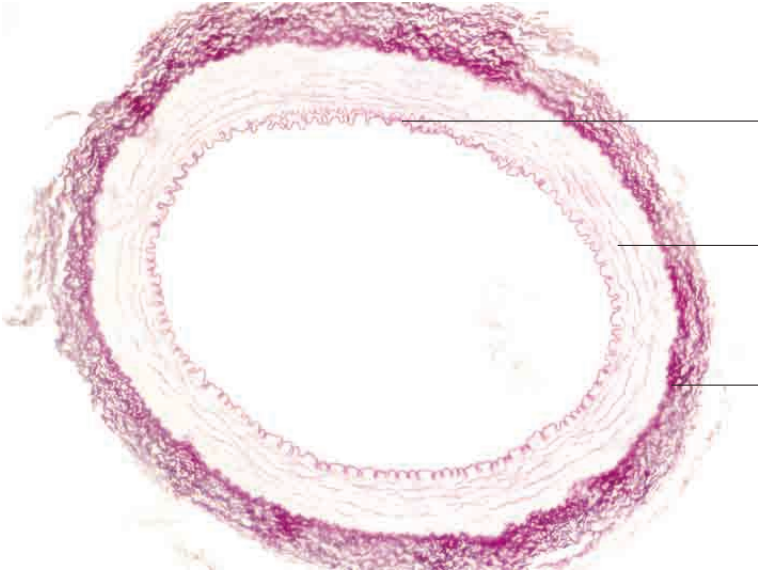


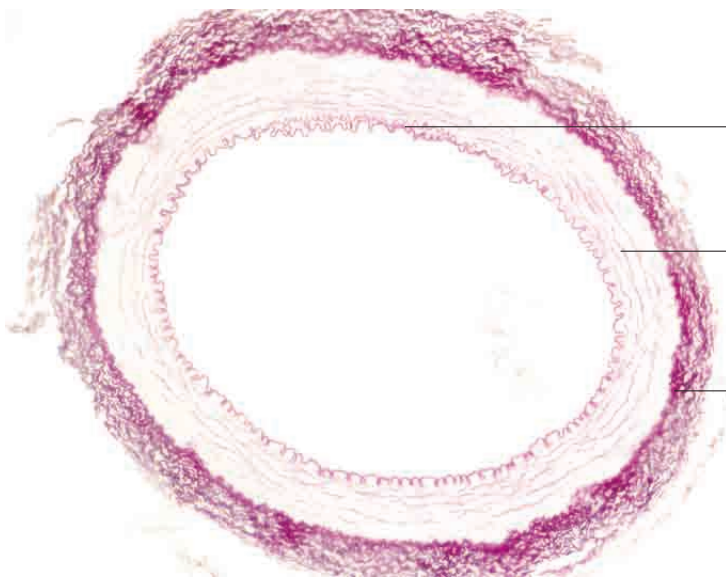
- Tunica adventitia of artery
- Tunica media of artery
- Capillary
- Wall of thin-walled vein
- Blood-filled lumen

Artery and venule, metatarsus, dog. H.E. stain; x360.

6 Circulatory system

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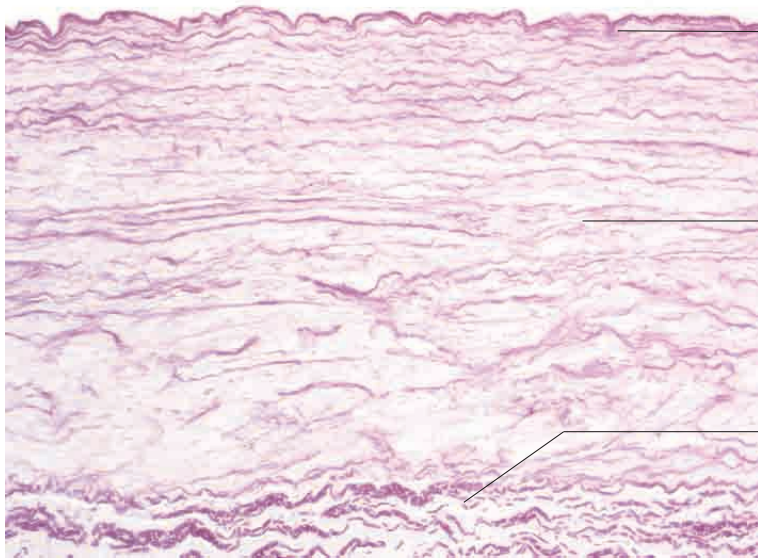


Internal elastic membrane

Elastic fibres in tunica media

External elastic membrane

Artery, ox. Resorcin-fuchsin, nuclear fast red stain; x180.

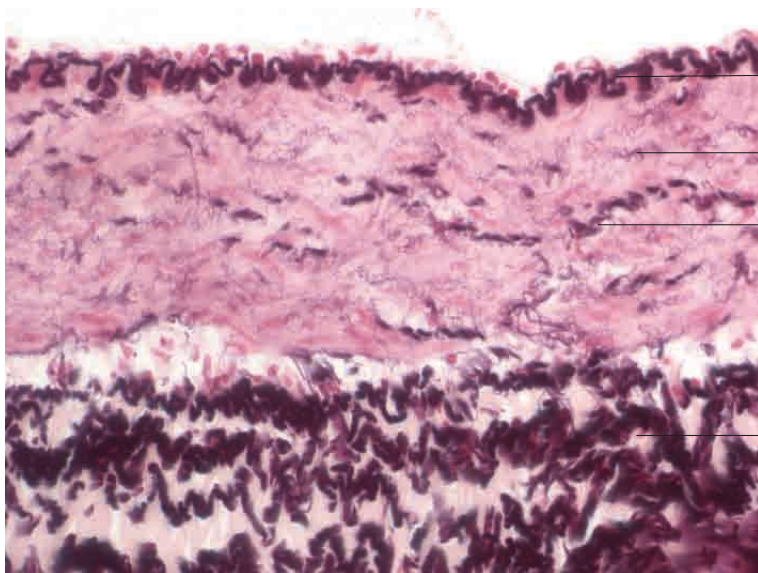


Internal elastic membrane

Elastic fibres in tunica media

External elastic membrane

Artery, horse. Resorcin-fuchsin, nuclear fast red stain; x120.



Internal elastic membrane of tunica interna

Finely branched elastic fibres between smooth muscle cells

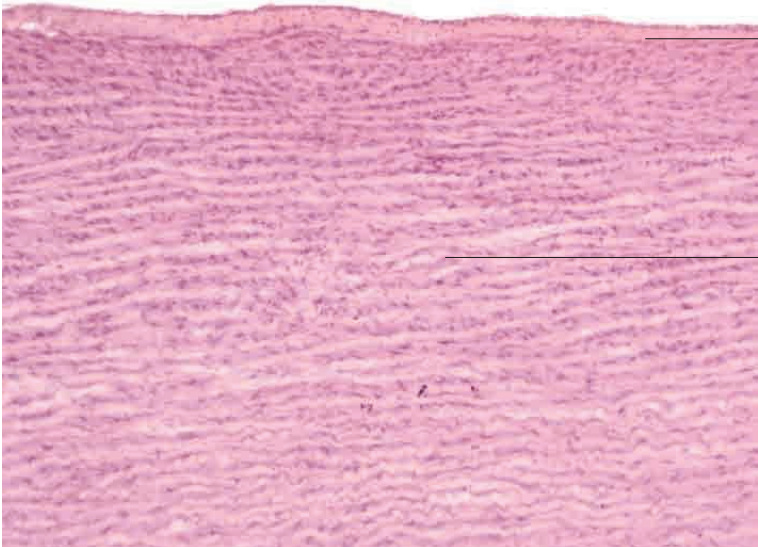
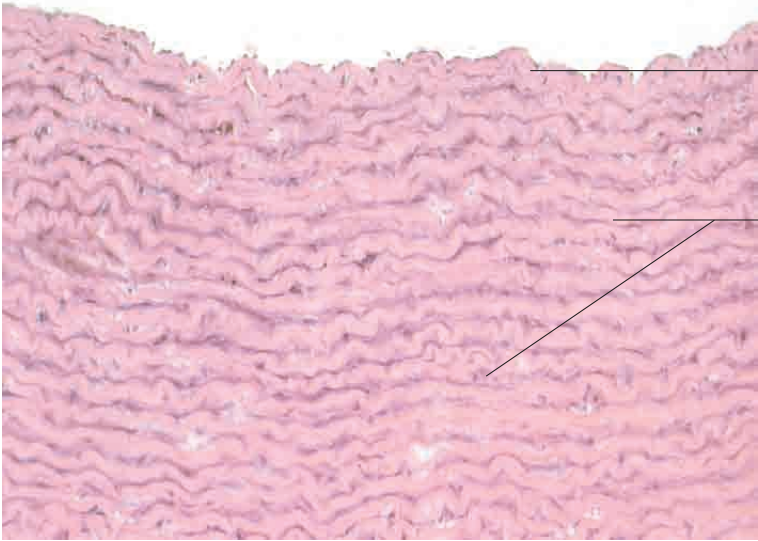
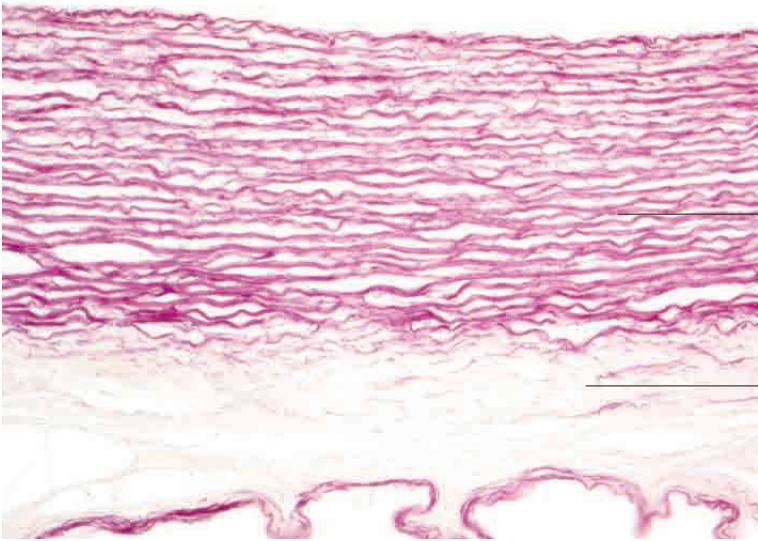
Elastic fibres in tunica media

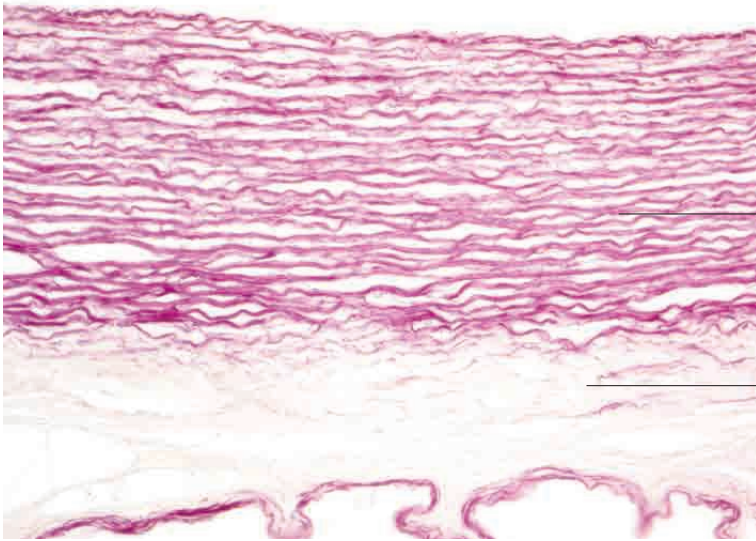
External elastic membrane

Artery, horse. Resorcin-fuchsin, nuclear fast red stain; x80.

6 Circulatory system

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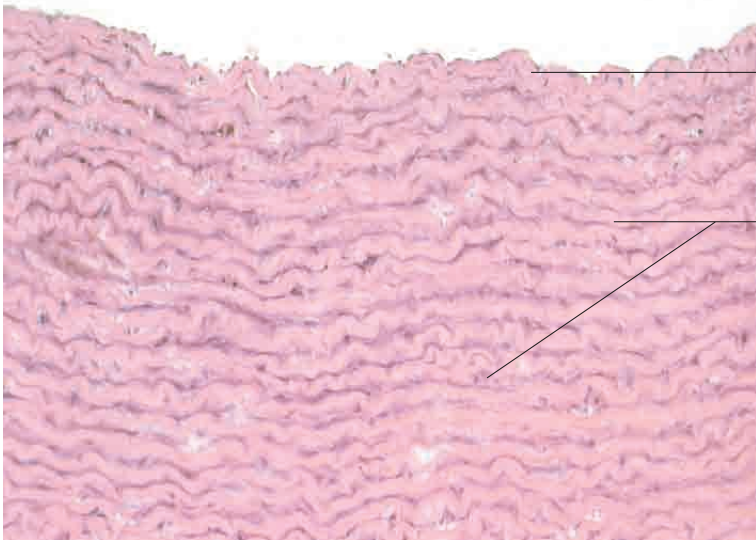




Lamellae of relatively narrow elastic fibres (tunica media)

Externally adjacent connective tissue

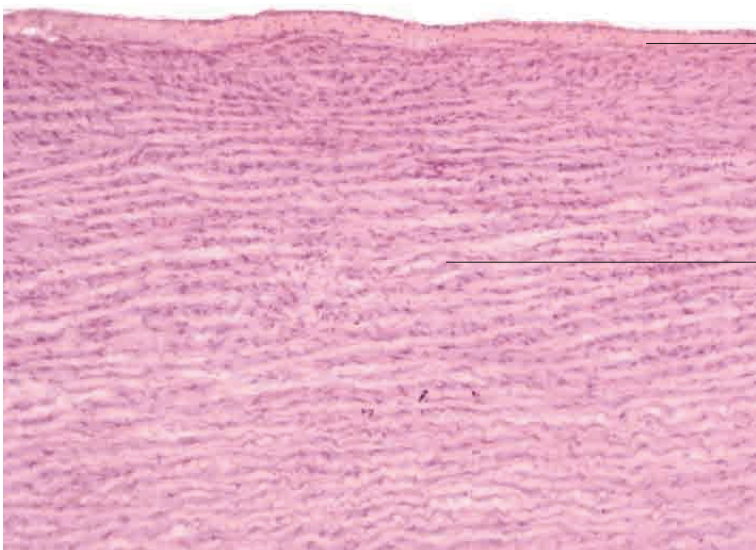
Elastic artery, aorta, cat.  
Resorcin-fuchsin stain; x200.



Internal elastic membrane

Distinctly thickened elastic membranes in tunica media with predominantly lamellar orientation (corrugations caused by contraction)

Elastic artery, pig.  
Resorcin-fuchsin stain; x200.



Internal elastic membrane

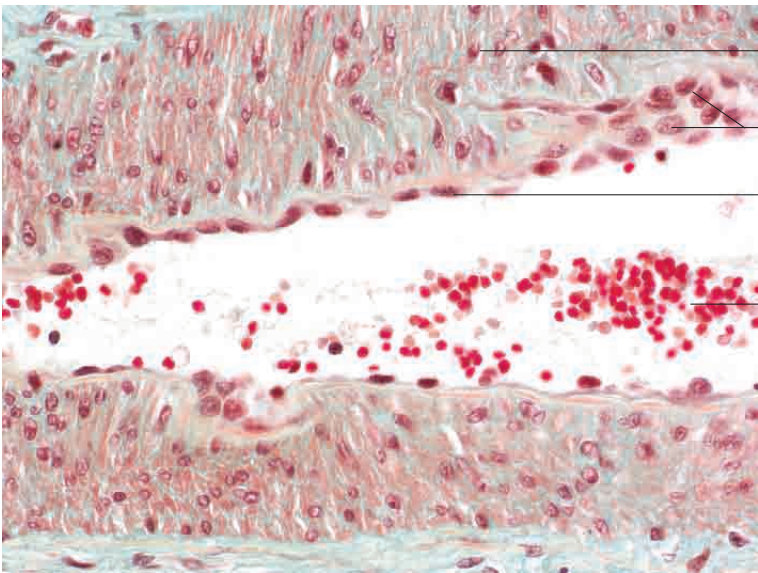
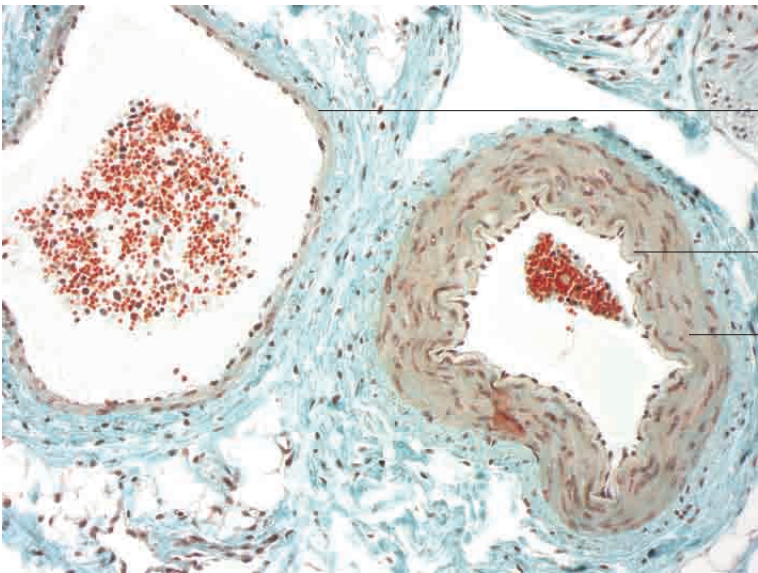
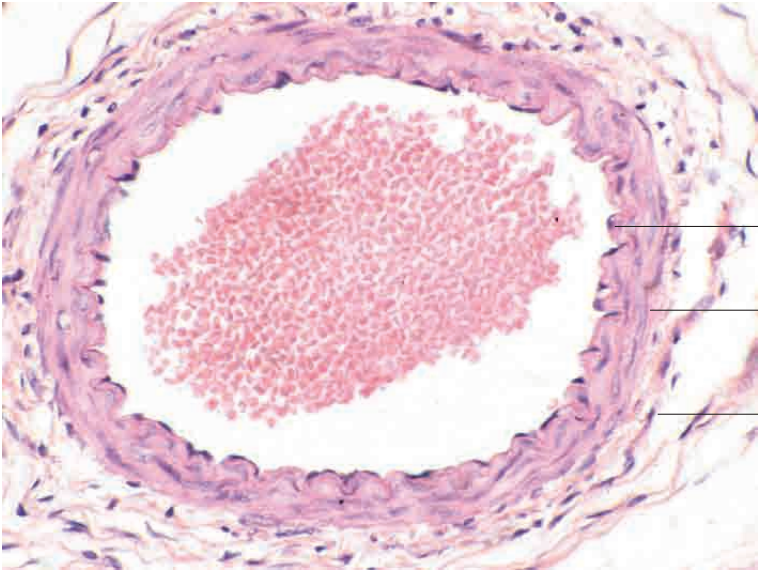
Densely layered elastic membranes in tunica media with predominantly lamellar orientation (slight corrugations due to contraction)

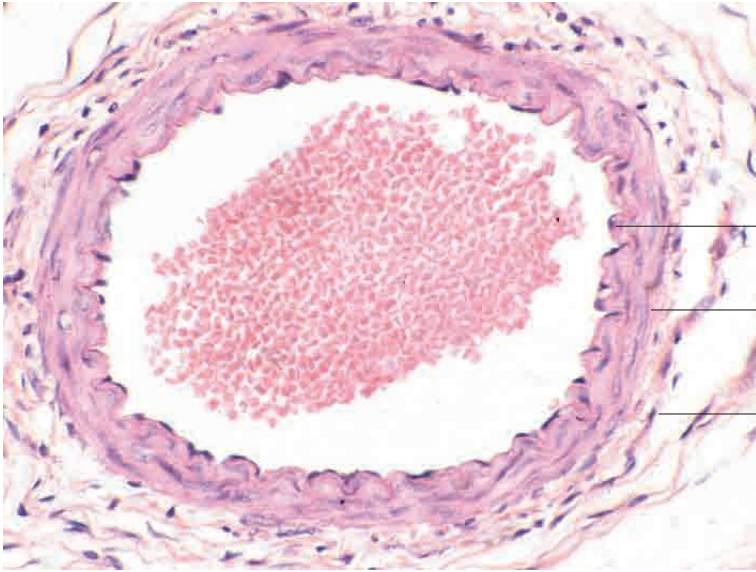
Elastic artery, aorta, horse.  
Resorcin-fuchsin stain; x80.



6 Circulatory system

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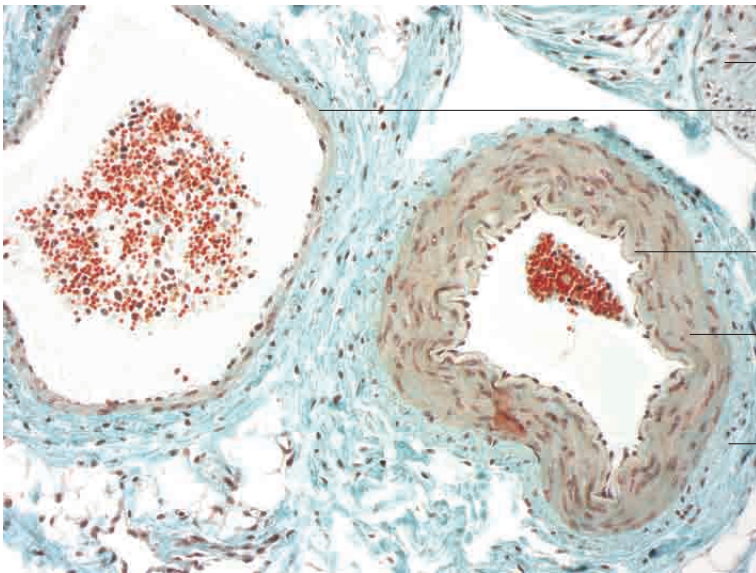


Endothelial layer of tunica interna with indistinct internal elastic membrane

Thin-walled tunica media

Tunica adventitia

Thin-walled artery, subcutis, dog. H.E. stain; x180.



Mixed nerve

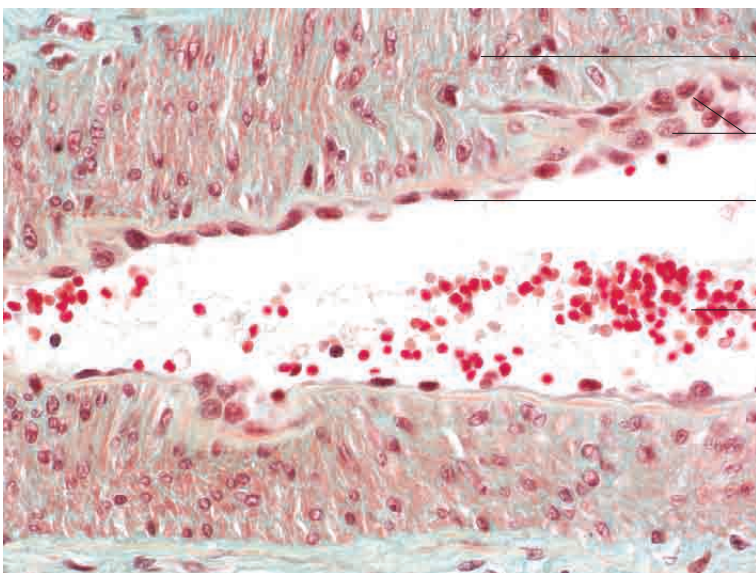
Thin-walled blood-filled vein

Tunica interna with prominent internal elastic membrane

Tunica media

Tunica adventitia

Artery and vein, calf. Goldner's Masson trichrome stain; x120.



Tunica media with smooth muscle cells (longitudinal section)

Flat-cut section of endothelial cell

Endothelial layer underlaid by thin subendothelial layer and narrow internal elastic membrane

Erythrocytes

Artery, calf. Goldner's Masson trichrome stain; x250.