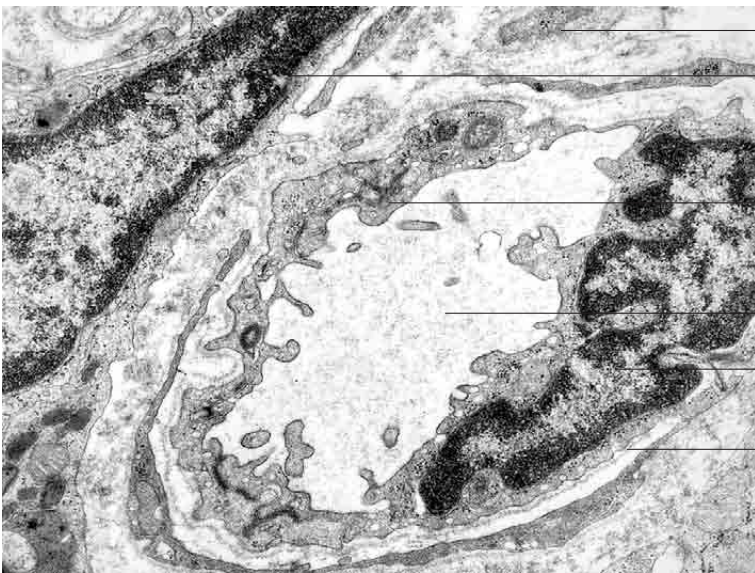
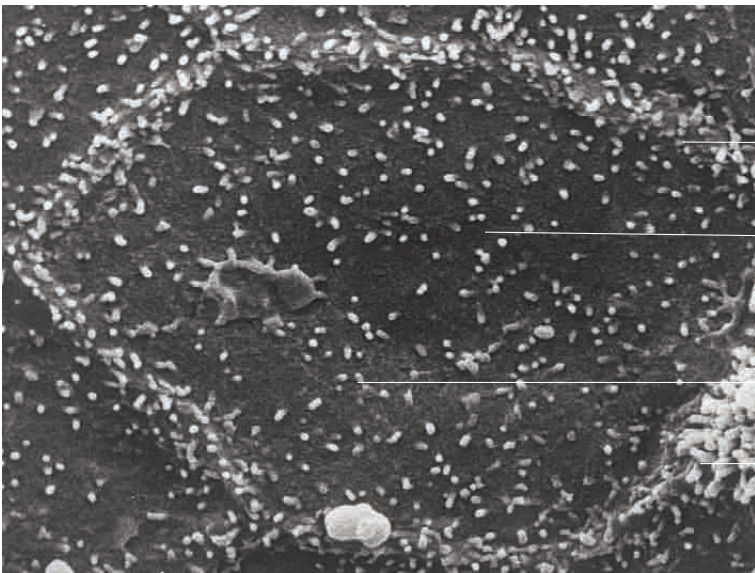
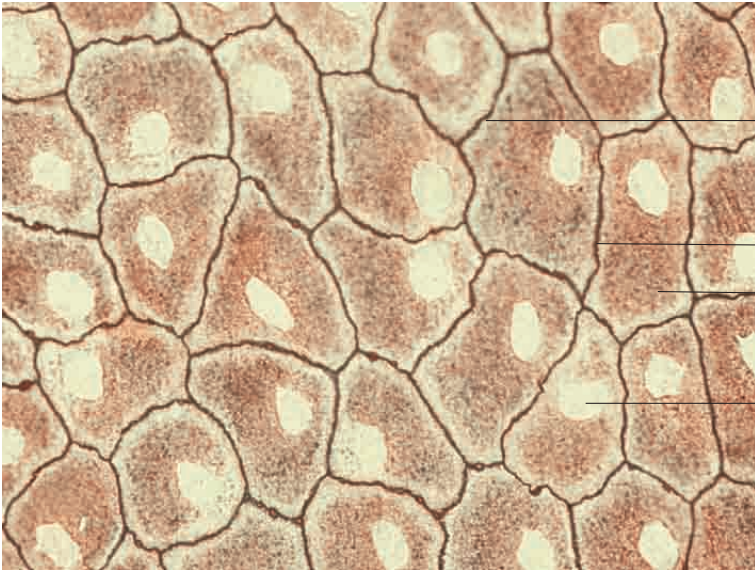
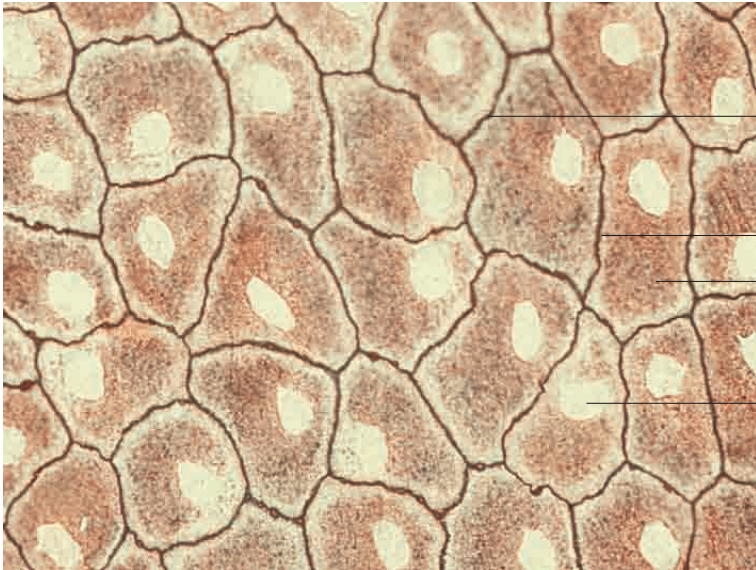


2 Epithelial tissue



Simple epithelium



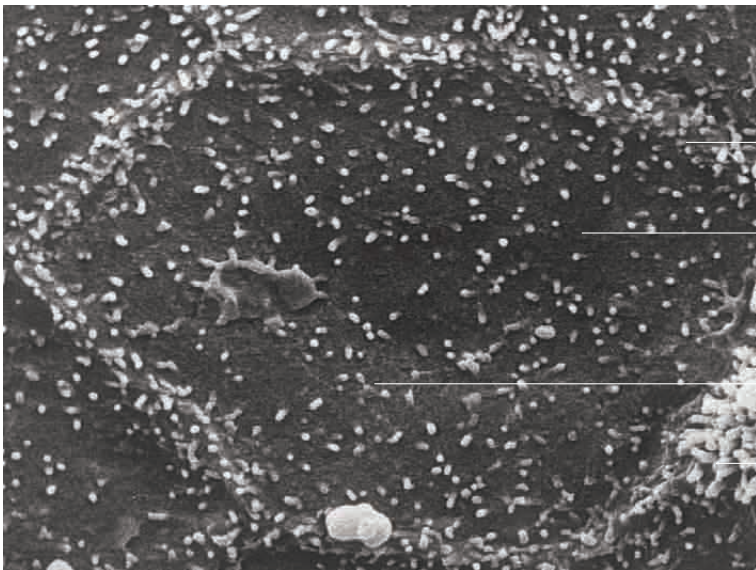
Cell boundary impregnated with silver

Cell boundary interlocking with adjacent cell

Cytoplasm

Nucleus (location indicated by light area)

Simple squamous epithelium (surface view), peritoneum, dog. Flat mount, silver impregnation; x400.



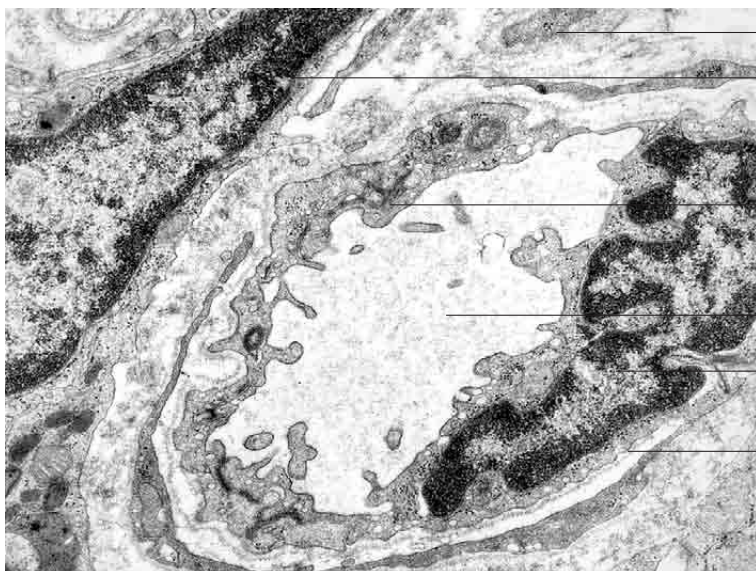
Cell boundary with short microvilli

Cell surface with short microvilli

Individual, short microvillus

Accumulation of small microvilli near cellular pore

Simple squamous epithelium (surface view), cornea, horse; x9000.



Partial section of cytoplasm of fibrocyte

Nucleus of adjacent fibrocyte

Cytoplasm of simple epithelium (endothelium) of a capillary with irregular evaginations.

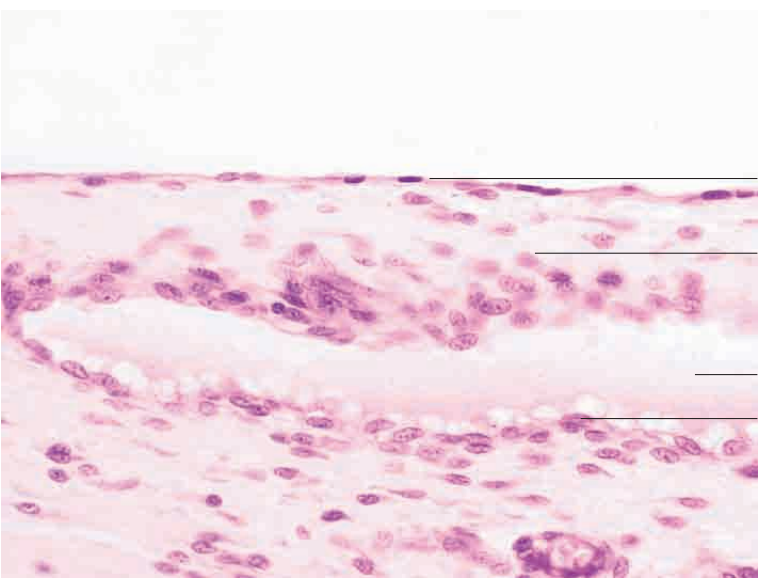
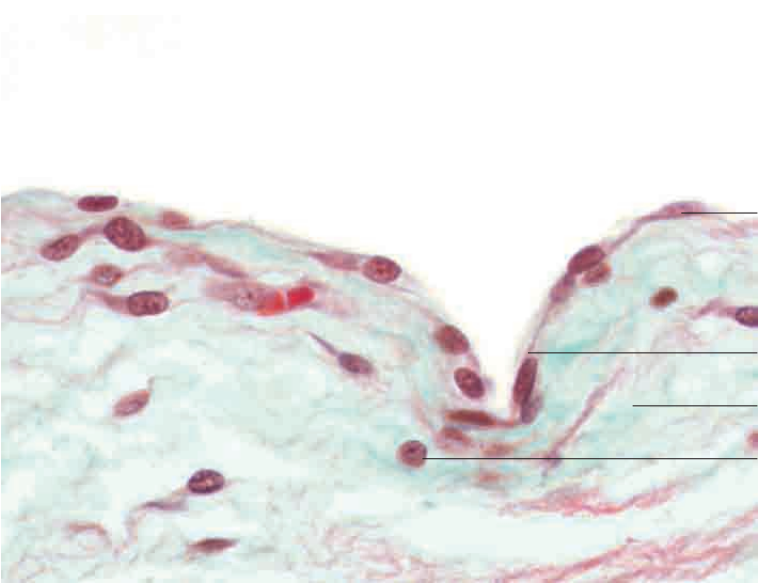
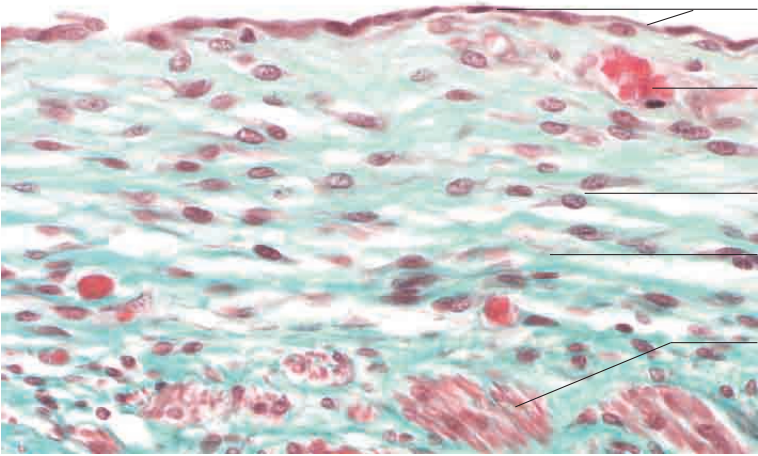
Lumen of capillary

Nucleus of capillary

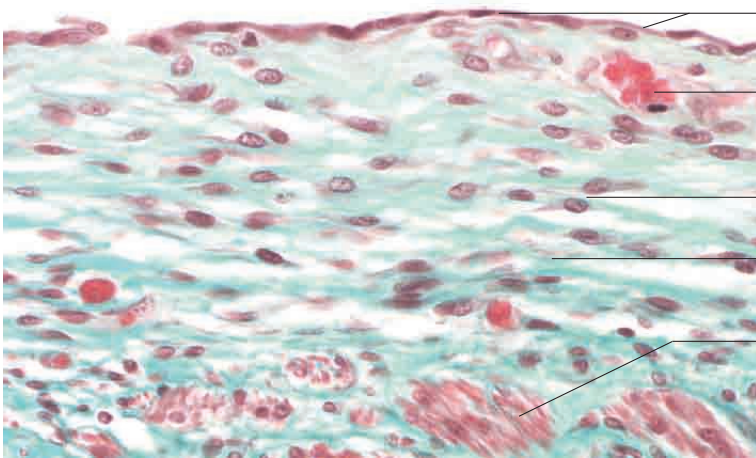
Basal lamina

Blood capillary (transverse section), dog; x3000.

2 Epithelial tissue



Simple epithelium



Simple squamous epithelium with flattened nucleus and cytoplasm

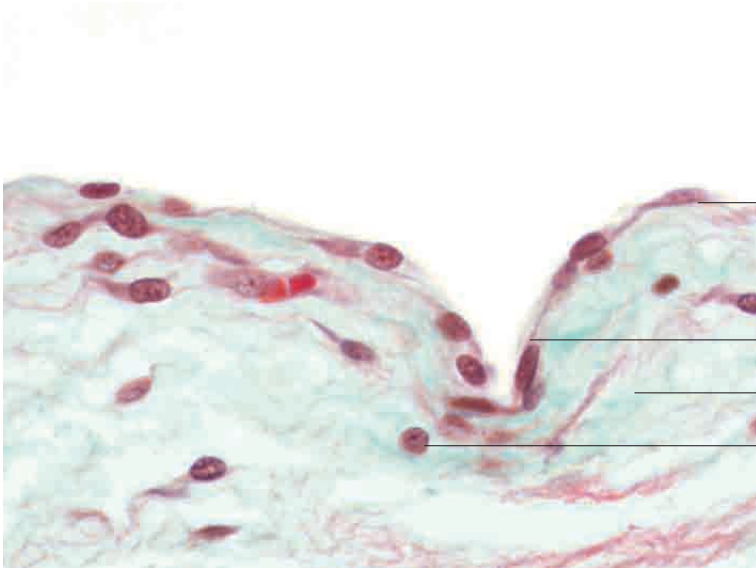
Capillary with erythrocytes

Loose connective tissue with fibrocytes

Collagen fibre bundle

Oblique section through smooth muscle cells

Simple squamous epithelium, parietal peritoneum lining urinary bladder, dog. Goldner's Masson trichrome stain, x480.



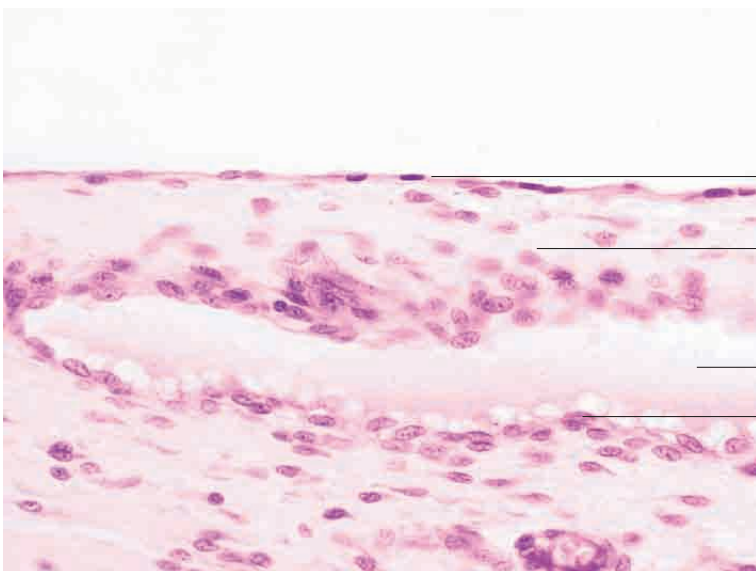
Nucleus of simple squamous epithelial cell with flattened cytoplasm

Cytoplasm of simple squamous epithelial cell

Loose connective tissue

Nucleus of connective tissue cell (fibrocyte)

Simple squamous epithelium, peritoneum, pig. Goldner's Masson trichrome stain x550.



Simple squamous epithelium

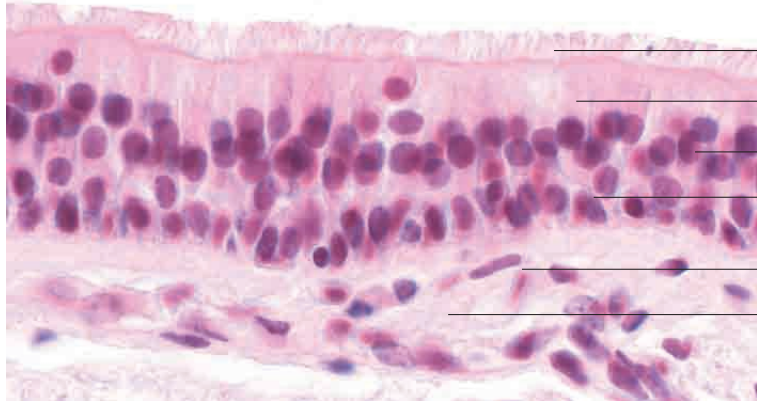
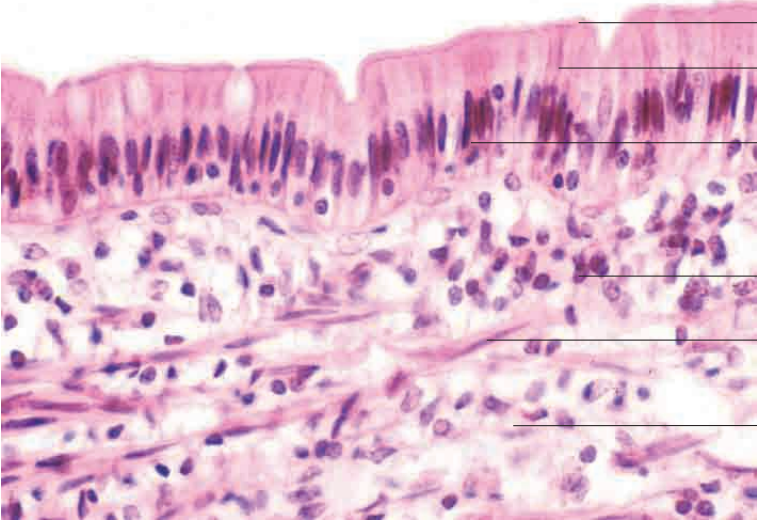
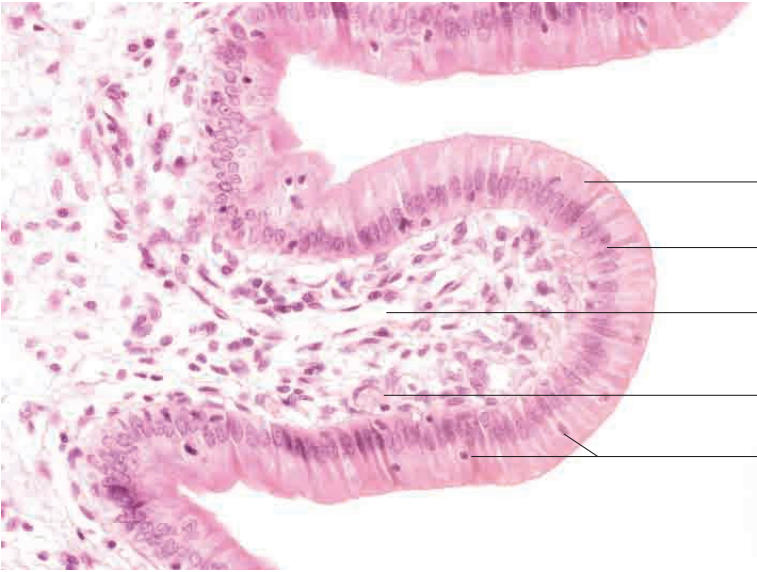
Loose connective tissue

Lumen of capillary

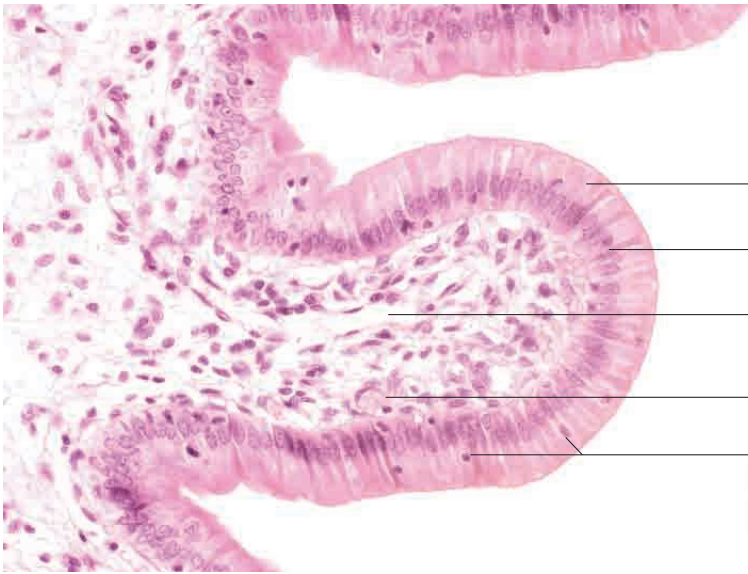
Nucleus of endothelium of capillary

Simple squamous epithelium, mesentery, calf. H.E. stain, x440.

2 Epithelial tissue

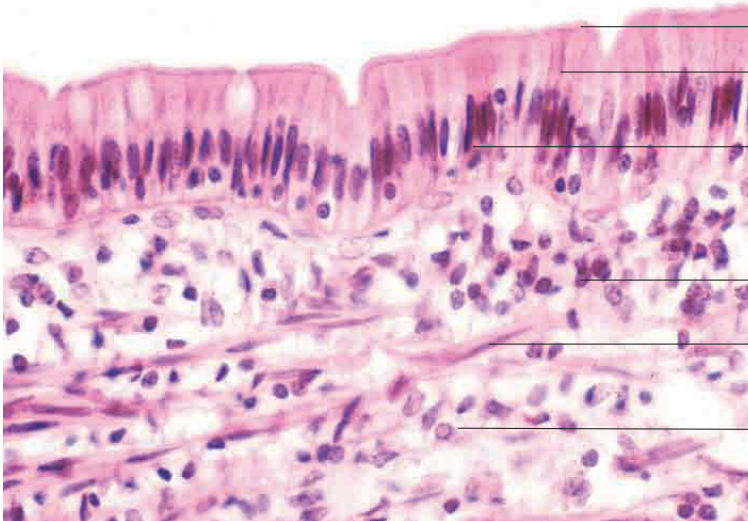


Simple epithelium



- _____ Cytoplasm of simple columnar epithelial cell
- _____ Oval nucleus of simple columnar epithelial cell
- _____ Capillary within loose connective tissue in the lamina propria mucosae
- _____ Fibrocyte nuclei and capillary with erythrocytes
- _____ Fragment of cell nucleus

Columnar epithelium, gall bladder, dog. H.E. stain, x120.



- _____ Microvilli (brush border)
- _____ Condensed cytoplasm of columnar epithelial cell
- _____ Oval nucleus of columnar epithelial cell
- _____ Fibrocytes in loose connective tissue
- _____ Smooth muscle cell
- _____ Fibrocytes in loose connective tissue

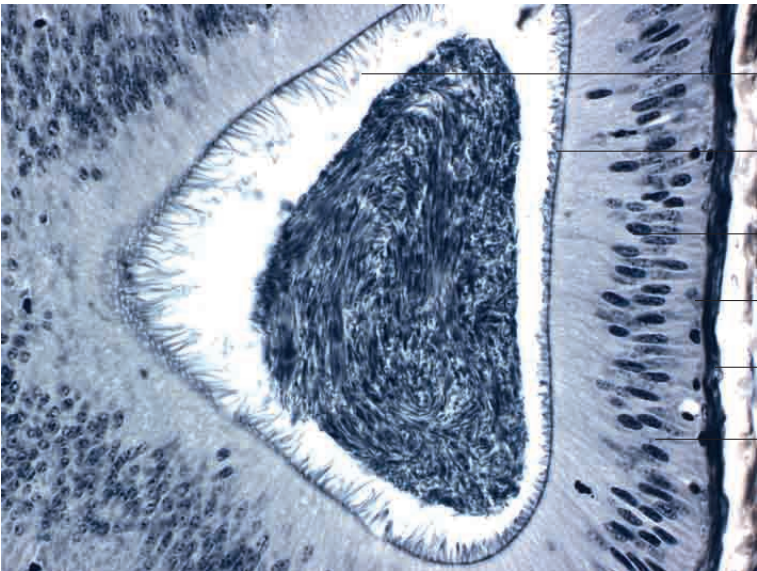
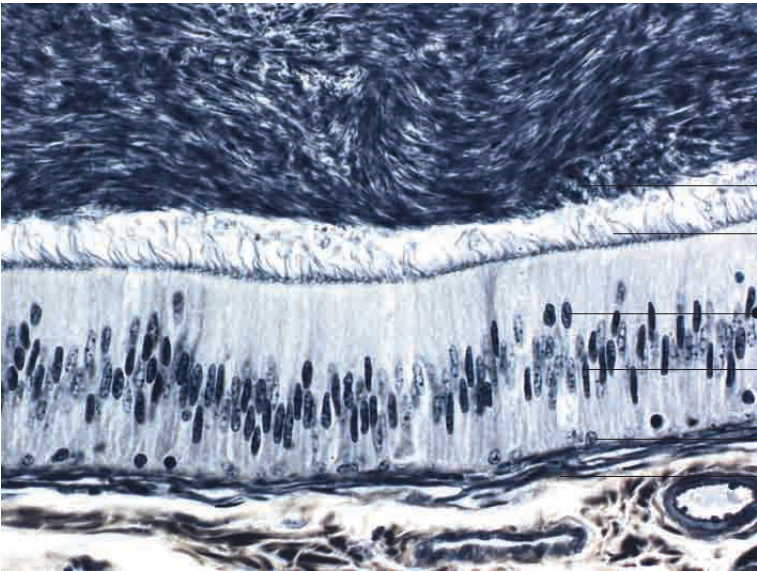
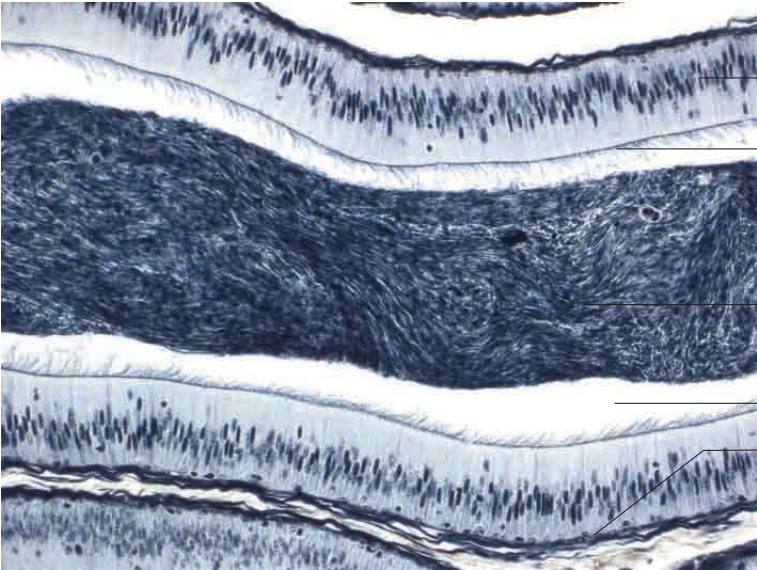
Columnar epithelium, intestine, horse. H.E. stain, x240.



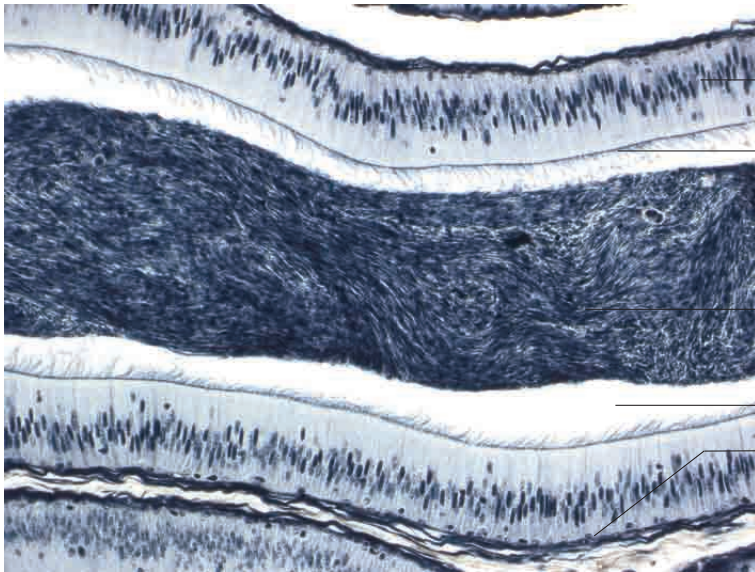
- _____ Cilia
- _____ Cytoplasm of columnar epithelial cell
- _____ Nuclei appearing to form second "row"
- _____ Nuclei appearing to form first "row"
- _____ Nucleus of fibrocyte
- _____ Loose connective tissue

Pseudostratified epithelium, trachea, calf. H.E. stain, x480.

2 Epithelial tissue



Simple epithelium



Second "row" of nuclei of pseudostratified epithelium

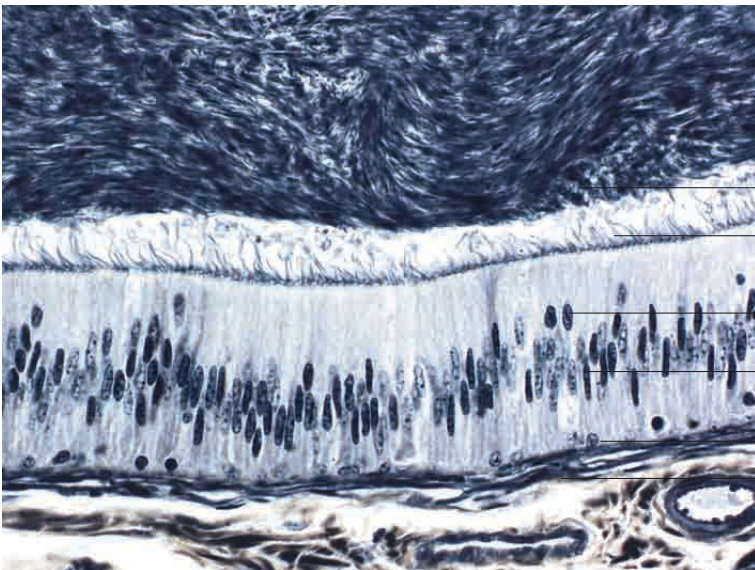
Stereocilia

Spermatozoa

Lumen

Basal cells in pseudostratified epithelium

Pseudostratified epithelium, epididymis, ox. Iron haematoxylin stain, x120.



Spermatozoa

Stereocilia

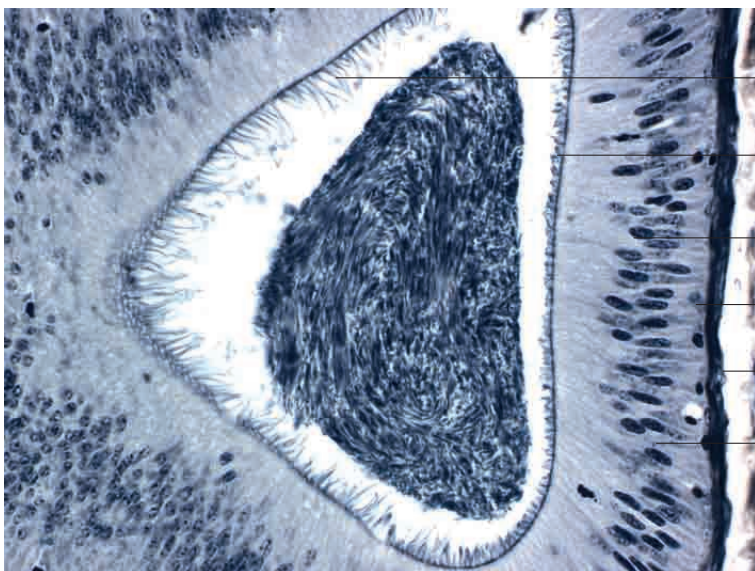
Nuclear fragments and detaching cells

Second "row" of nuclei in pseudostratified epithelium

Basal epithelial cells

Loose connective tissue

Pseudostratified epithelium, epididymis, ox. Iron haematoxylin stain, x320.



Stereocilia (oblique section of epithelium)

Stereocilia (deformed)

Second "row" of nuclei in pseudostratified epithelium

Basal row of nuclei in pseudostratified epithelium

Loose connective tissue

Cytoplasm

Pseudostratified epithelium, epididymis, ox. Iron haematoxylin stain, x400.