

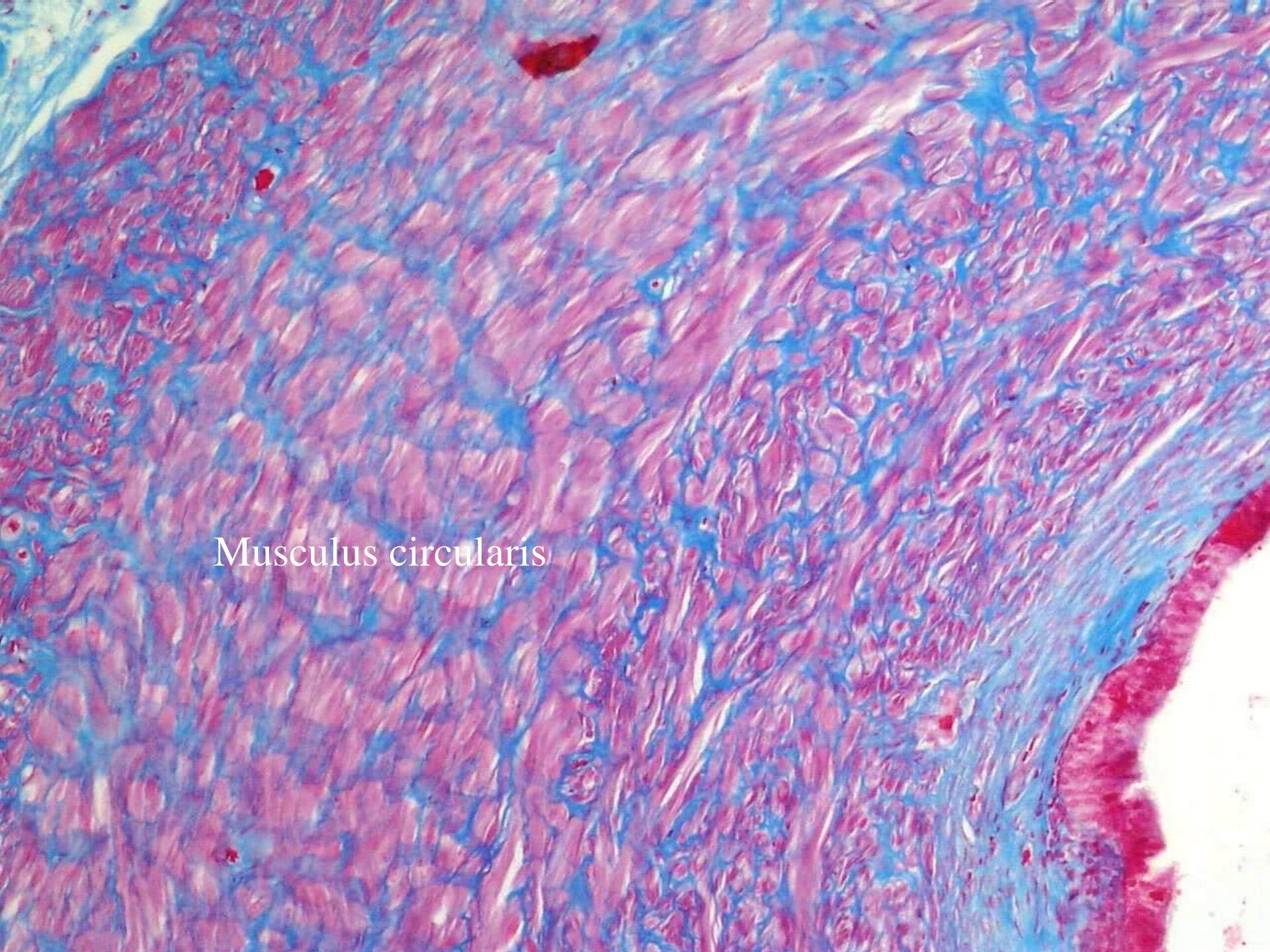
Sel basal

med

stereocilia

Sel basal

stereocilia

A high-magnification light micrograph showing a dense arrangement of smooth muscle fibers. The fibers are oriented circumferentially, forming a layer. They appear pinkish-red with dark, transverse striations. Interspersed among the fibers are blue-stained collagenous connective tissue fibers.

Musculus circularis

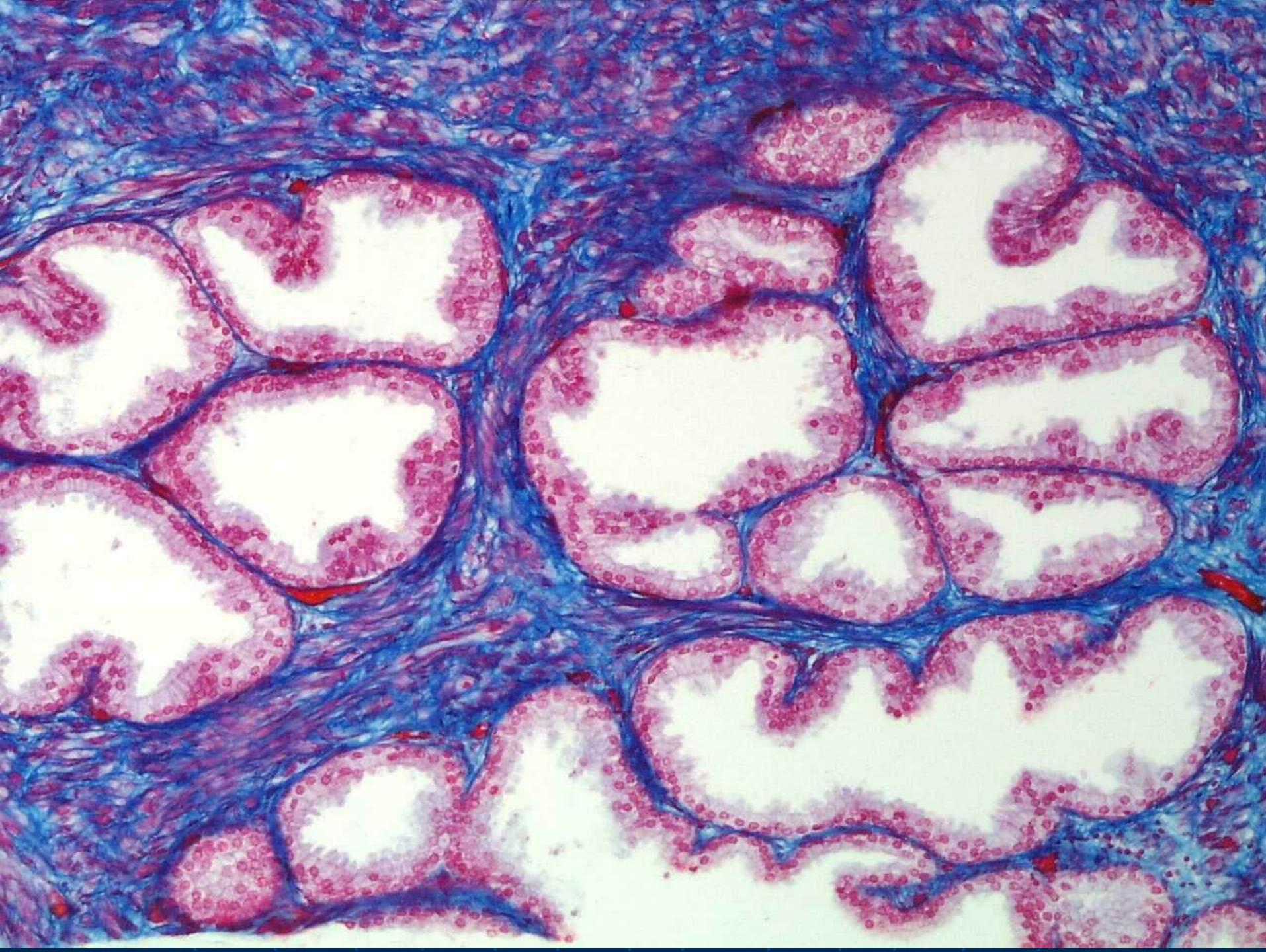
# Kelenjar aksesoris:

## ■ Prostate

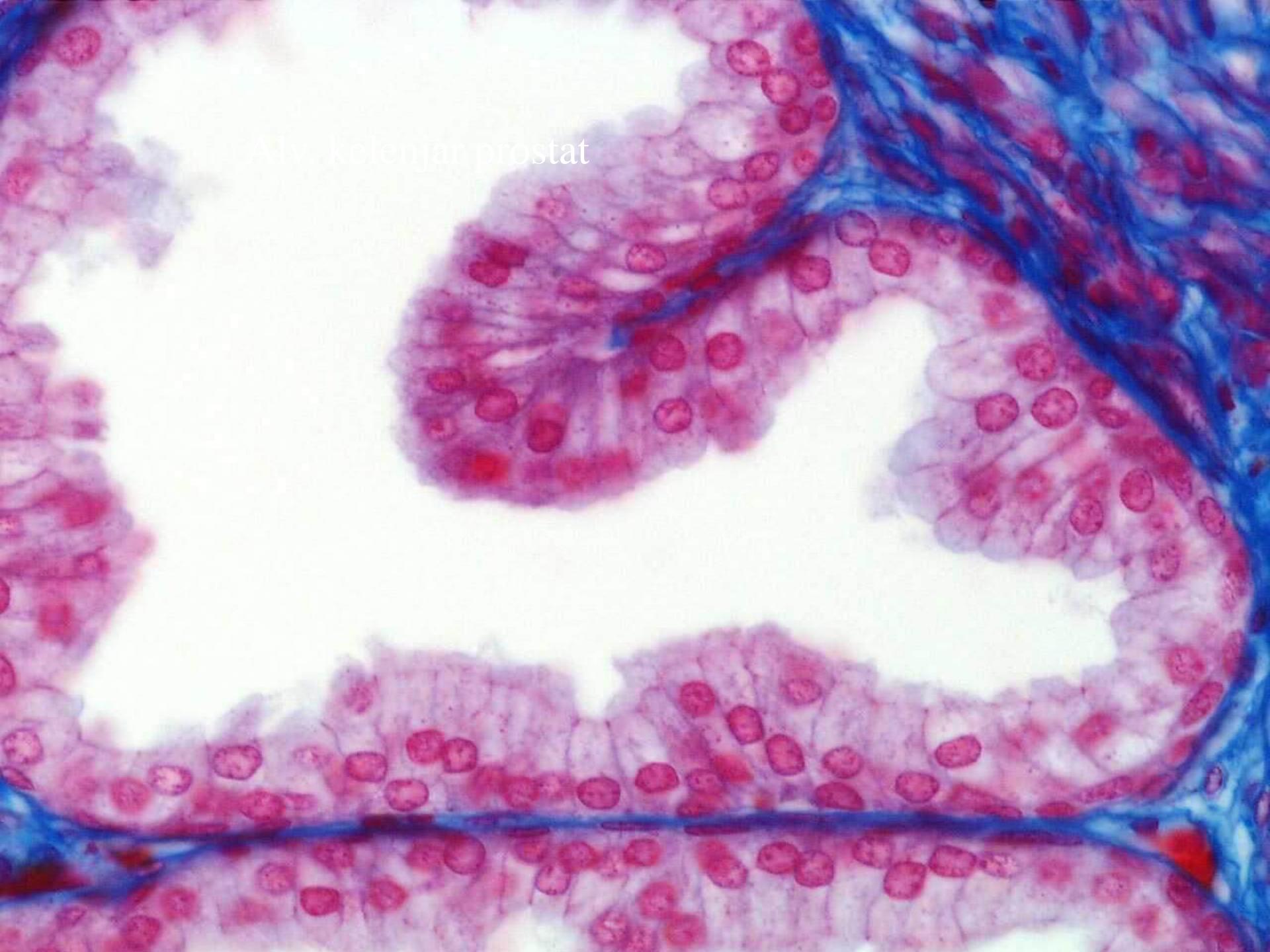
- T.d 30-50 kelj tubuloalveolar
- D ekskretorius bermuara di urethra
- Stroma : fibromuscular tu otot polos yg dipisahkan ssl oleh serabut colagen dan elastis
- Alveoli kelenjar : ireguler dg ep kubis/kolumner; asidofilik + granula sekresi
- Kandungan sekret: as sitrat, enz fibrinolisin, acid phosphatase dan lipid

A light micrograph showing a cross-section of prostate tissue. A large, central, circular structure represents a secretory gland, characterized by its pale, vacuolated appearance. The surrounding tissue is composed of smaller, more densely packed clusters of cells. The overall color palette is dominated by shades of blue and purple, typical of hematoxylin staining.

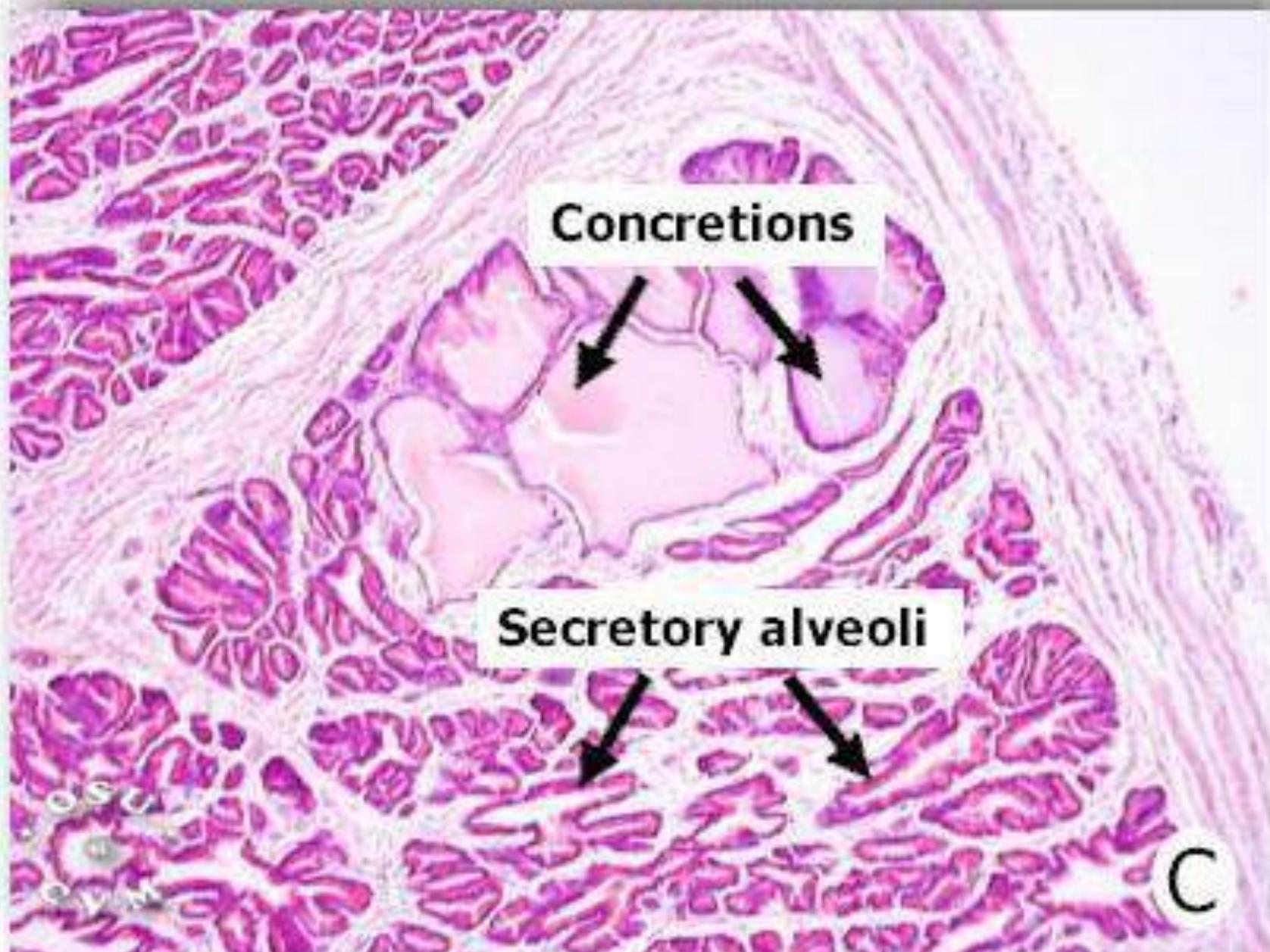
prostat



Alat kelenjar prostat



- Ductus ekskretorius:
  - Ep kolumner
- Ciri khas : corpora amilacea (+) di alv kelj.
- Terdiri dari 3 lobus :
  - Kelenjar prostat utama : di perifer
  - Kelenjar submucosa : di bagian tengah
  - Kelenjar mucosa : di bagian dalam



**Concretions**

**Secretory alveoli**

C

## ■ Vesicula seminalis

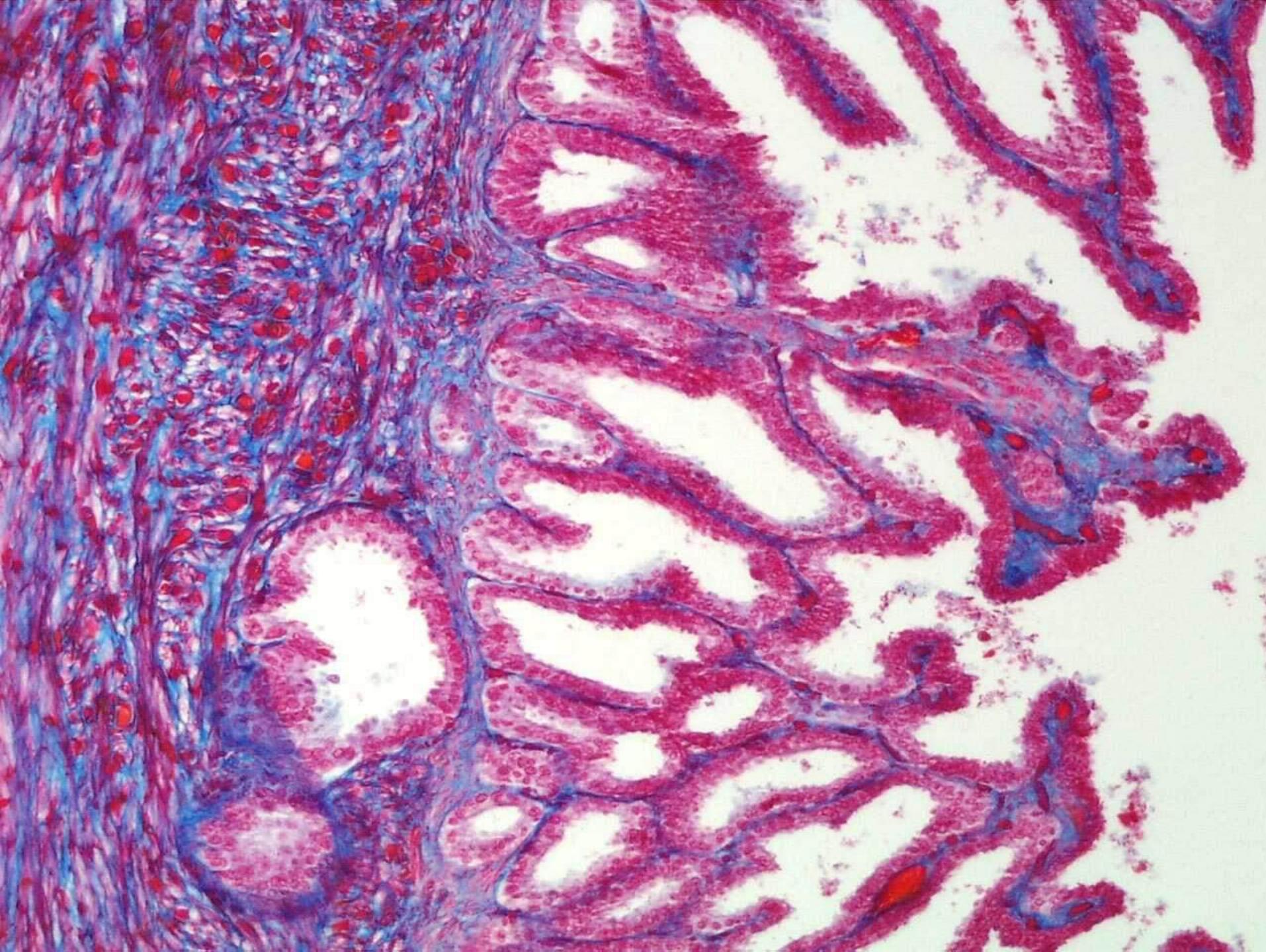
- Kantung panjang bergelung ± 15cm
- Mukosa: berupa lipatan2 yg bercabang2 dan saling beranastomose
- Ep. Kolumner
- Mukosa tipis
- Muscularis :
  - Dalam sirkuler
  - Luar longitudinal

Vesicula seminalis



mukosa

muskularis



## ■ Kelenjar bulbourethralis (Cowper)

- Kelenjar tubuloalveolar
- Ep kubis selapis
- Menghasilkan mukus

## ■ Penis

- Terdiri dari 3 buah massa silindris:
- Corpora cavernosa penis
- Corpus cavernosum urethra (corpus spongiosum)
- Ujung corpus spong. dilatasi membentuk glans penis
- Urethra : t.u : ep psudostratified, di glans menjadi squamous complex
- Kelj Littre tdp di sepanjang penile urethra

**Corpus cavernosum  
penis**

**Tunica albuginea**

**Urethra**

**Corpus cavernosum  
urethra**

**Urethra**

**Tunica albuginea**

**Corpus cavernosum  
penis**



**Cavernous  
sinuses**



**Tunica albuginea**



A light micrograph showing a cross-section of tissue. A large, central, pale-staining area is labeled "Cavernous sinuses". Two black arrows point from a white rectangular label at the top center to two distinct, darker, curved structures labeled "Helicine arteries". The surrounding tissue has a pinkish hue and contains some darker, more cellular areas.

**Helicine arteries**

**Cavernous  
sinuses**

A light micrograph showing a tissue section stained with hematoxylin. Two distinct anatomical structures are labeled with white boxes and black arrows:

- Cavernous sinuses**: Two dark, irregularly shaped spaces located on either side of a prominent vessel.
- Helicine artery**: A thick, wavy vessel located on the right side of the image.

The surrounding tissue shows various cellular components and vessels. In the bottom left corner, there is some handwritten text: "osu" and "OVS".

**Cavernous sinuses**

**Helicine artery**

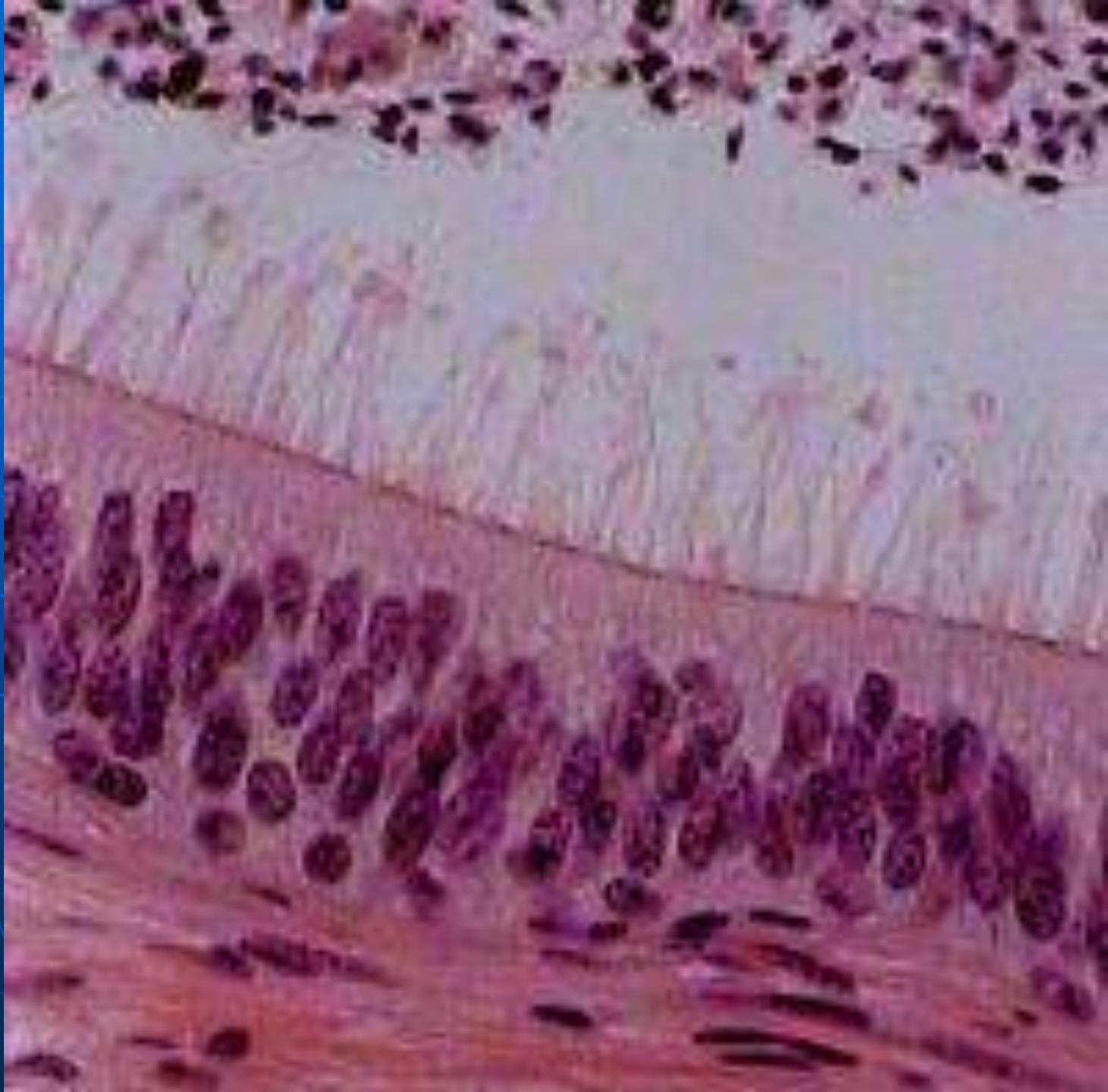
## ■ CCP

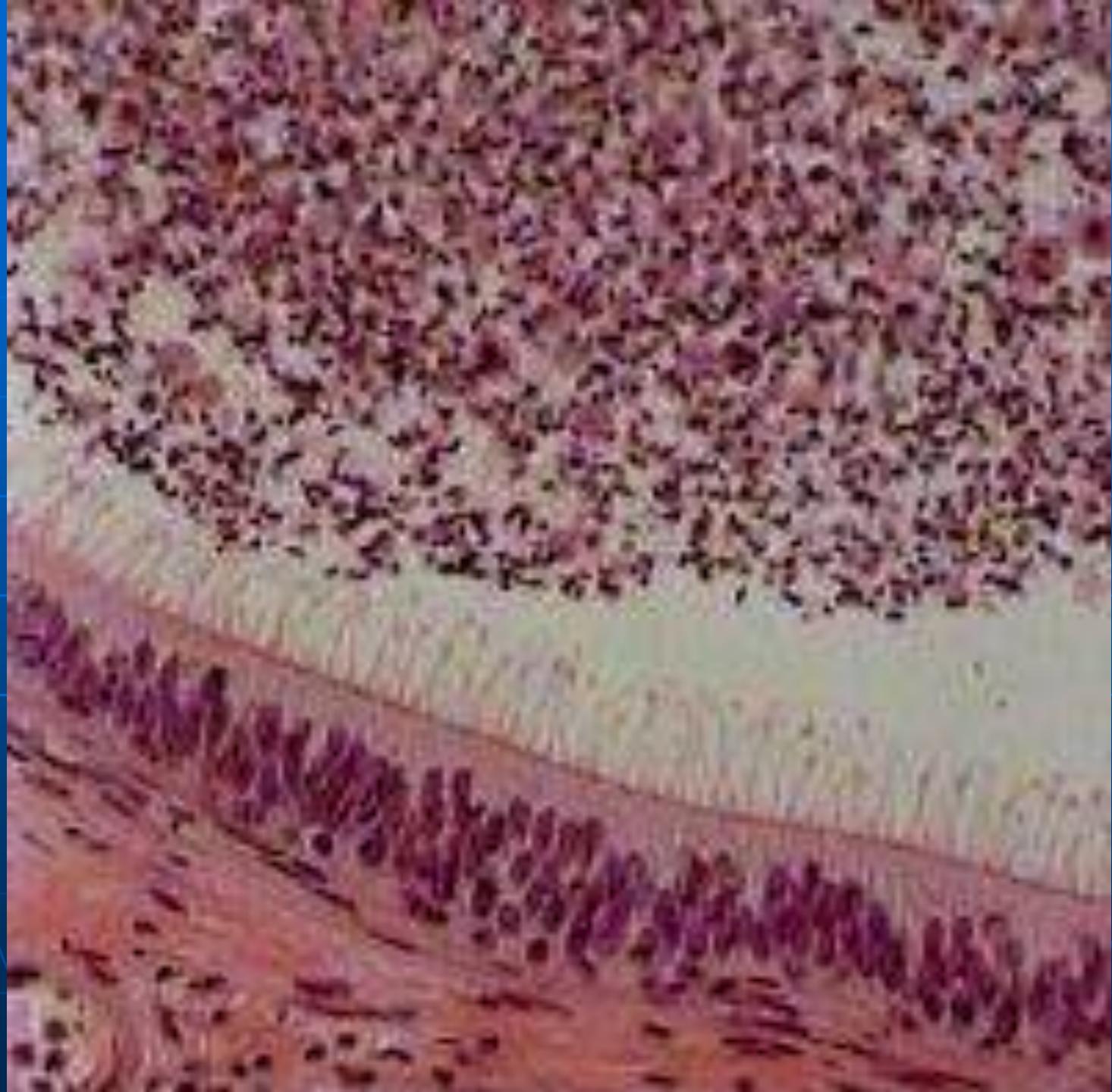
- Dilapisi tunica albuginea
- CCP (CC) & C spongiosum td jar erektil yg t.d:
  - Sinus venosus yg dipisahkan ssl oleh j.i & ot polos

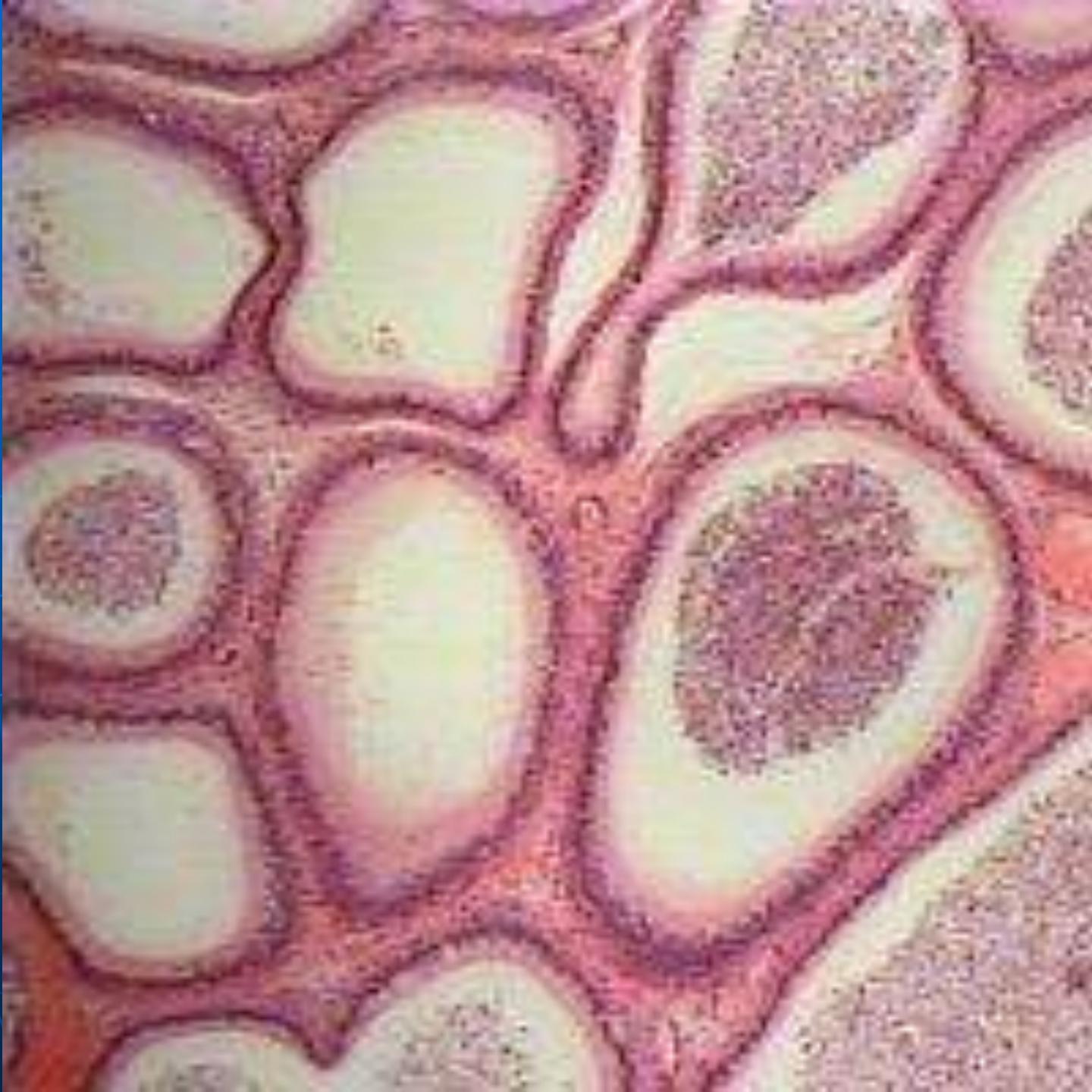
### • Vascularisasi :

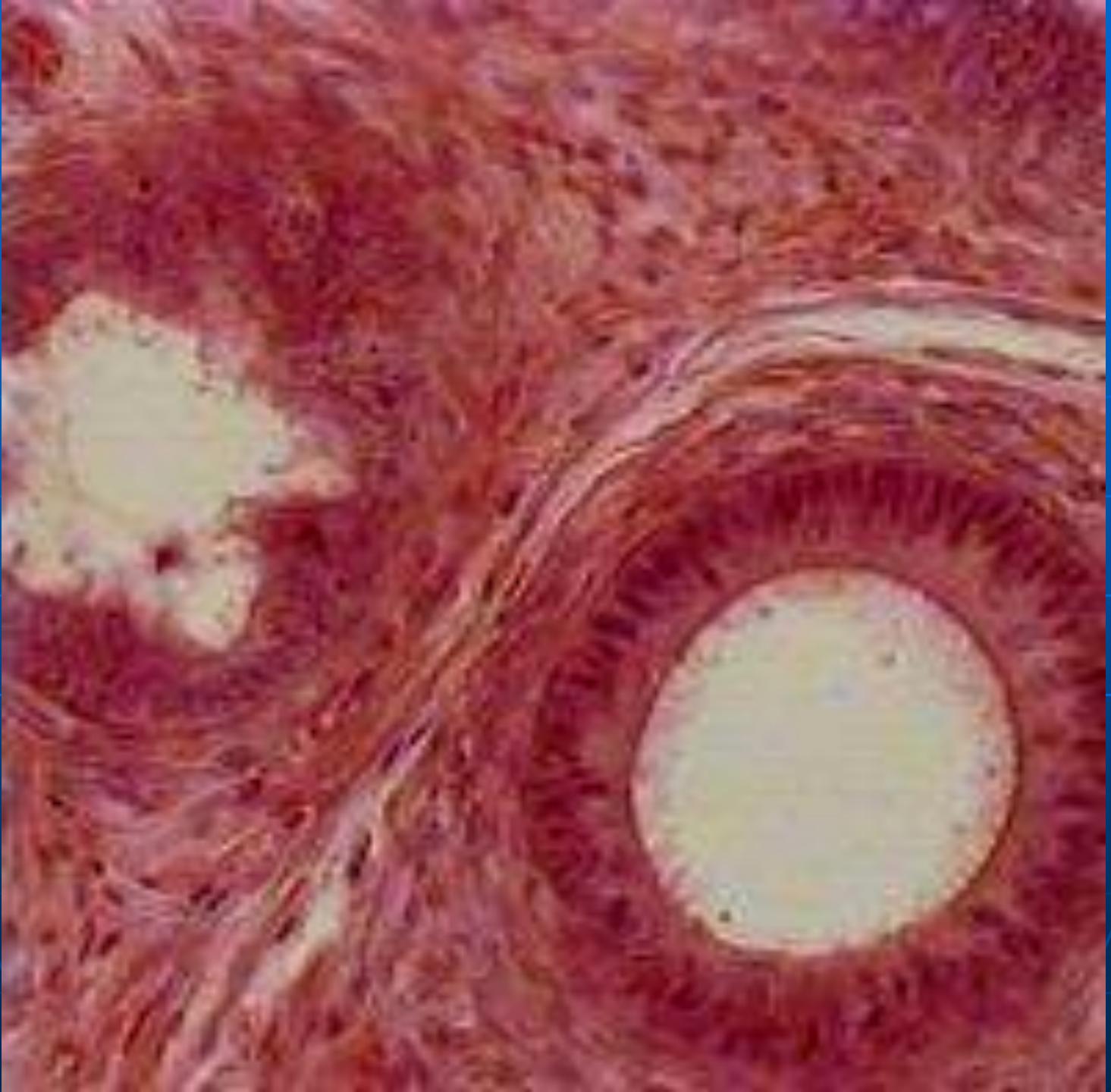
- A dorsalis penis
- A profunda penis → a helicine → memasok jar erektil

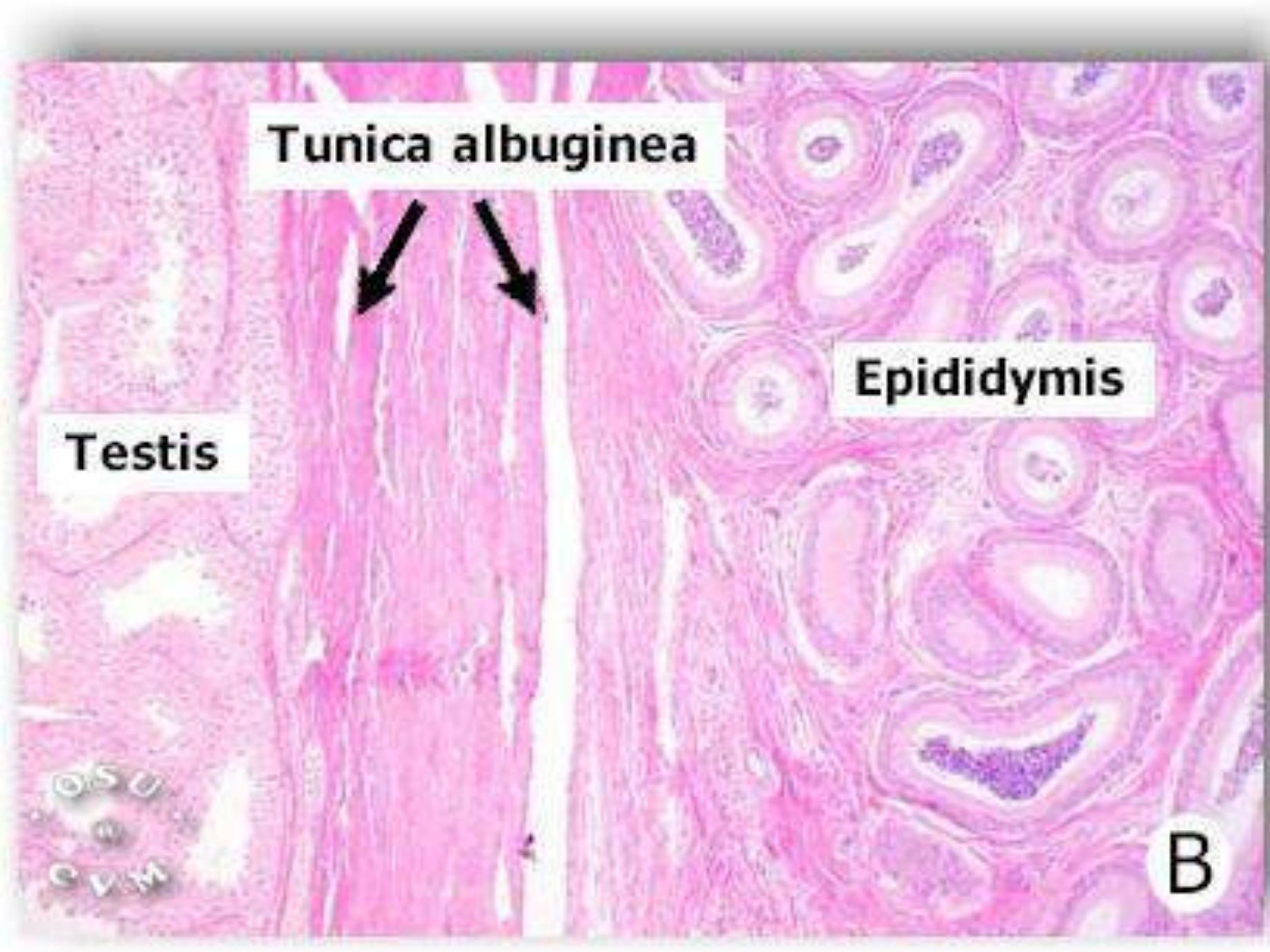
Dis helicine krn berbentuk spiral p.w penis flaccid dan lurus + dilatasi p.w ereksi + mengisi darah pd corpora











A light micrograph showing a cross-section of a seminiferous tubule. The tubule is filled with germinal epithelium, which consists of Sertoli cells and spermatogonia. Two large, dark-staining Leydig cells are visible within the tubule lumen, indicated by two black arrows. The surrounding stroma contains other Leydig cells and blood vessels. A small white box labeled "Seminiferous tubule" is positioned above the main cluster of cells.

Seminiferous tubule

Leydig cells

C

**Basement membrane  
of seminiferous tubule**

This micrograph shows a cross-section of a seminiferous tubule. The outer boundary is labeled as the basement membrane of the seminiferous tubule. Within the tubule, several large, dark-staining cells are labeled as spermatogonia. These cells are located near the basement membrane.

**Spermatogonia**

A light micrograph showing a cross-section of testicular tissue. The tissue is composed of numerous small, circular cells with purple-stained nuclei. Two distinct types of cells are highlighted with white boxes and arrows. The top group of cells is labeled "Primary spermatocytes" and the bottom group is labeled "Spermatogonia".

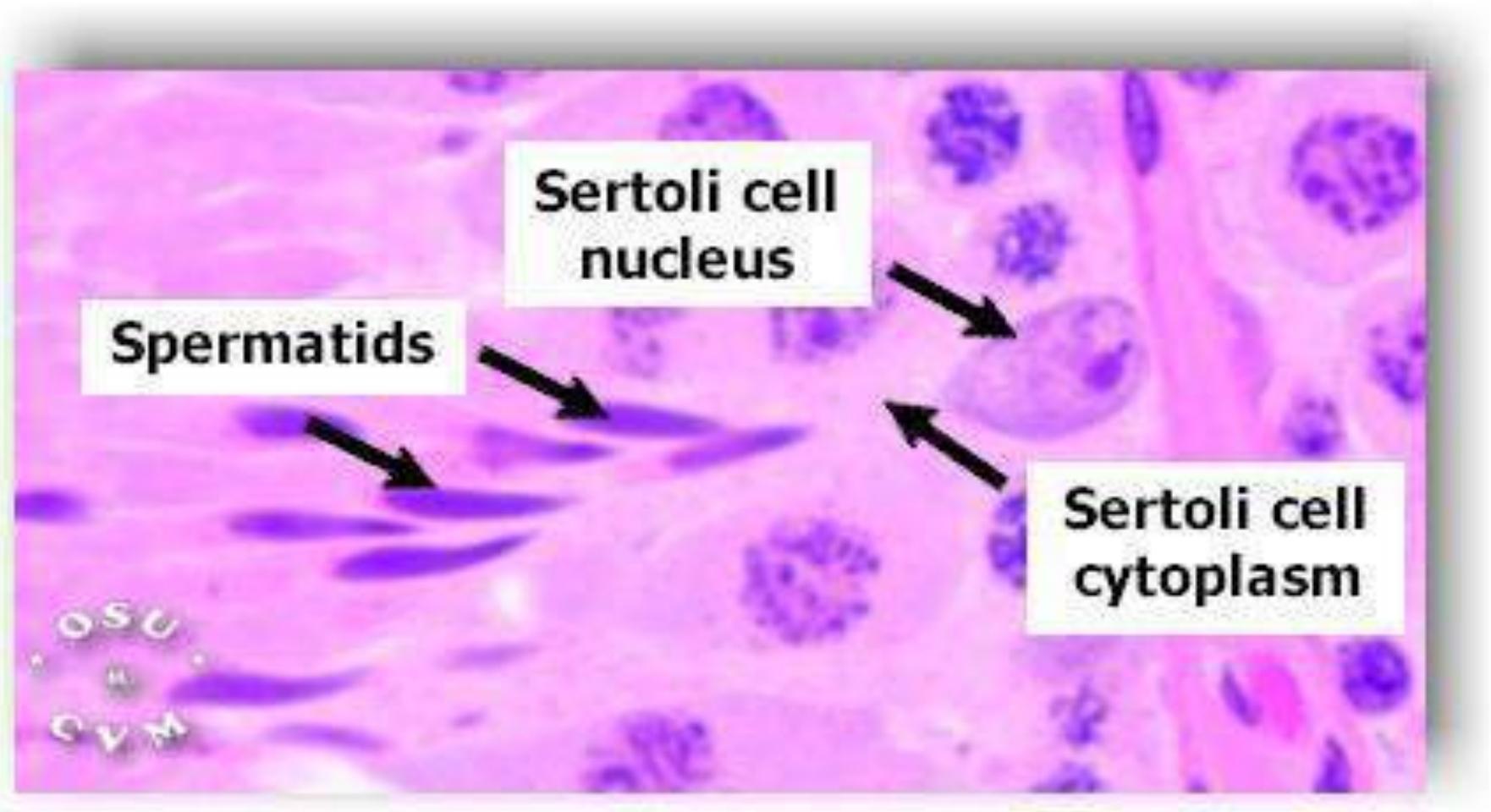
**Primary spermatocytes**

**Spermatogonia**

A light micrograph of testicular tissue stained with hematoxylin. The image shows several layers of germ cells. In the upper right, a cluster of small, dark purple nuclei is labeled "Early spermatids". In the lower left, another cluster of slightly larger, more elongated nuclei is labeled "Late spermatids". A black arrow points from the "Early spermatids" label to one of the nuclei in that group. Another black arrow points from the "Late spermatids" label to one of the nuclei in that group.

**Early  
spermatids**

**Late  
spermatids**



**Epithelium of  
the epididymis**

A light micrograph showing a cross-section of the epididymis. The image displays several convoluted tubules. The outer layer consists of pink-stained connective tissue. The tubules are lined by a simple cuboidal epithelium. Two black arrows point to the epithelial lining of one of the tubules. A white rectangular callout contains the text 'Epithelium of the epididymis'.

**Lumen of  
epididymis**

A black arrow points to the central cavity of one of the tubules. A white rectangular callout contains the text 'Lumen of epididymis'.

**Spermatozoa**

A black arrow points to a cluster of small, dark-staining, oval-shaped cells within the lumen of a tubule. A white rectangular callout contains the text 'Spermatozoa'.

OSU  
K  
CVM

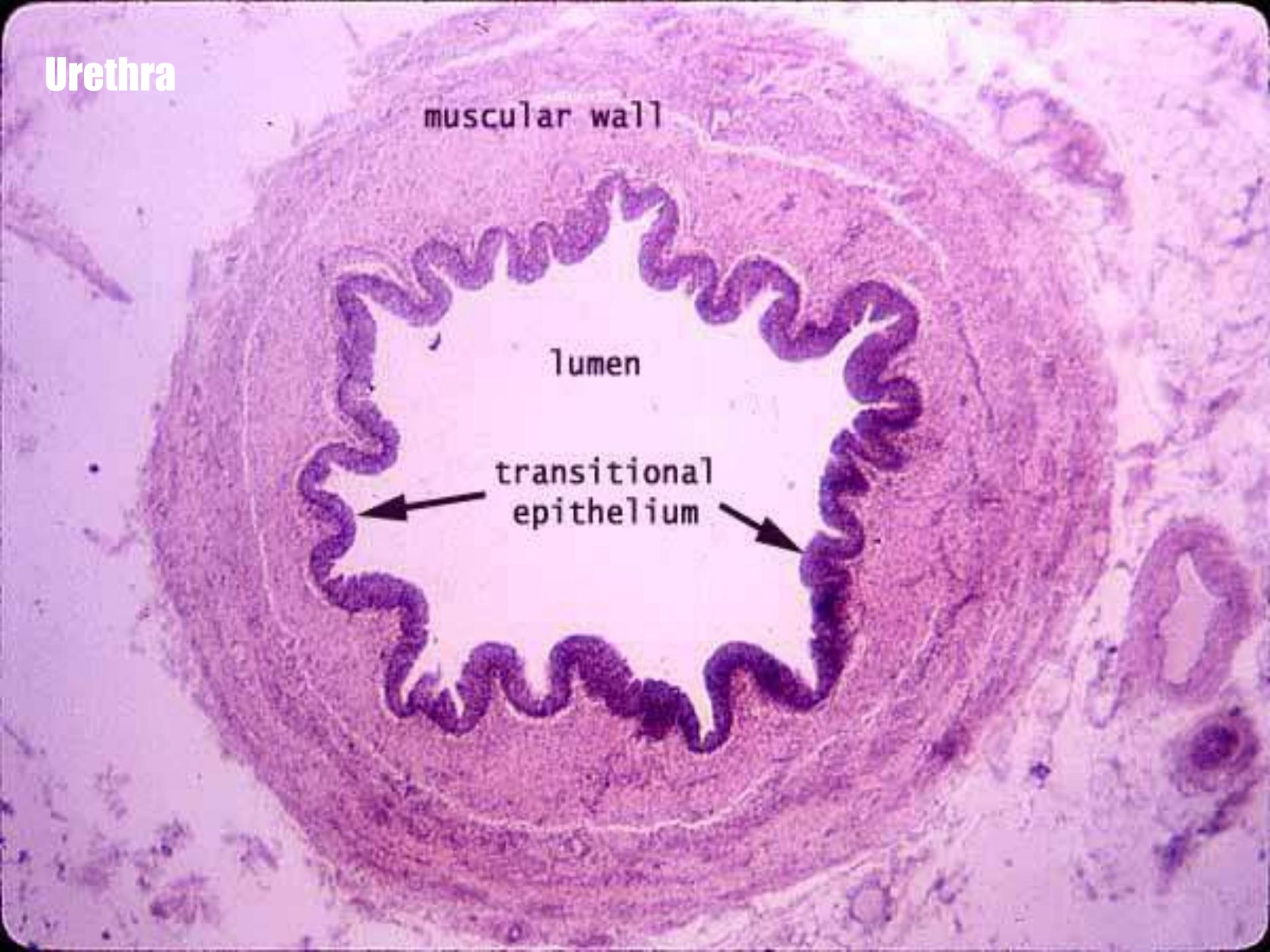
The letters 'OSU', 'K', and 'CVM' are printed vertically in the bottom left corner of the image.

# Urethra

muscular wall

lumen

transitional  
epithelium



## Urethra

muscular wall,  
with smooth muscle  
and collagen

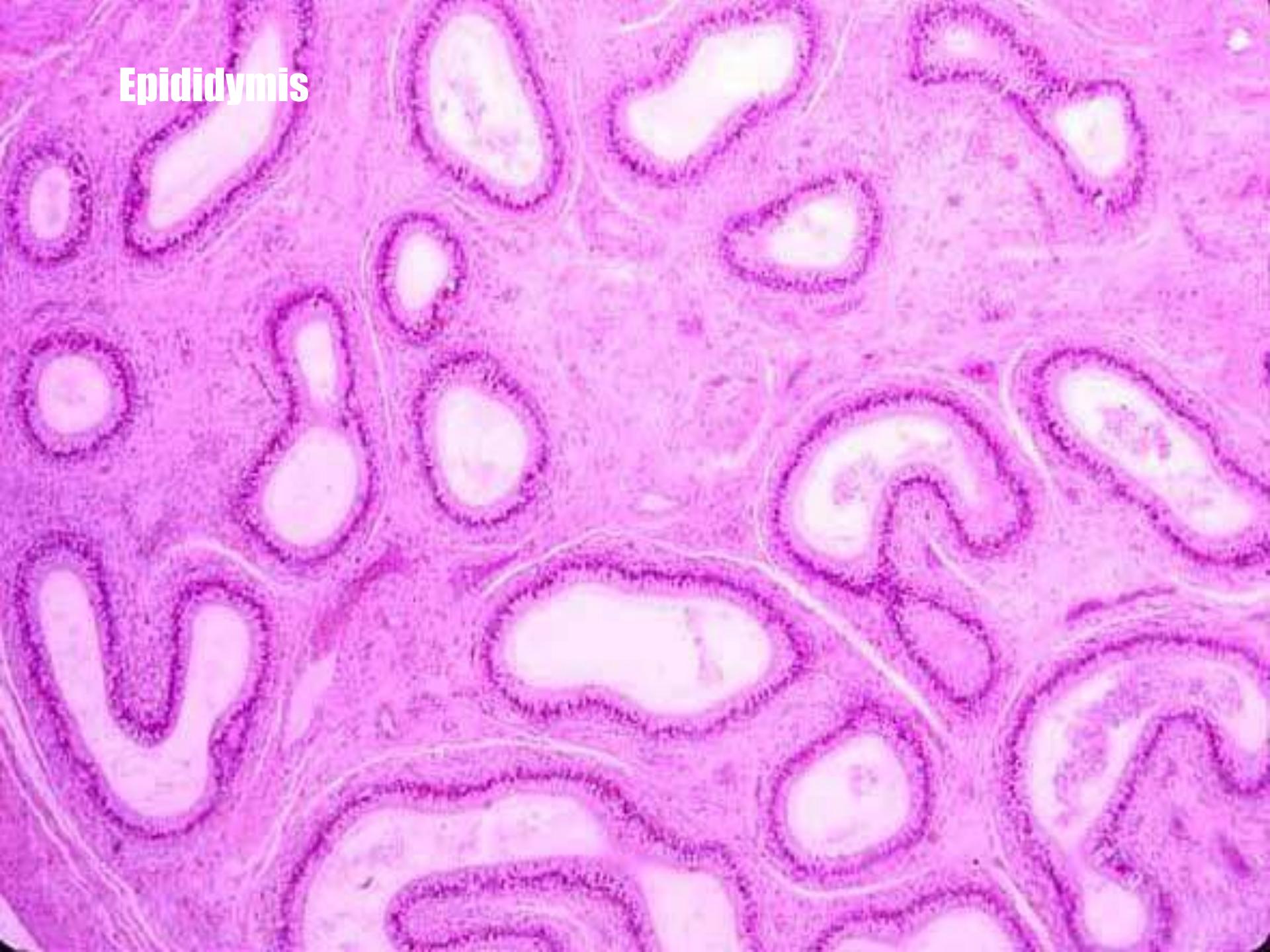
tamina propria



transitional  
epithelium



## Epididymis



# Epididymis

lamina propria

basal cells

columnar  
cells

stereocilia

lumen with  
sperm cells

**Vas deferens**



Vas deferens

basal  
cell layer

columnar  
cell layer

lumen

# **Vesicula seminalis**

