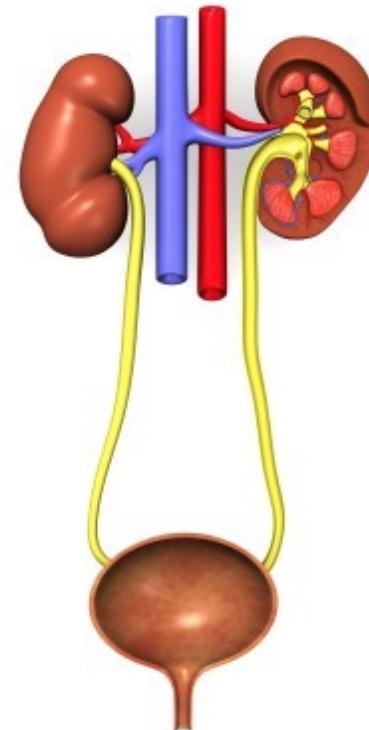
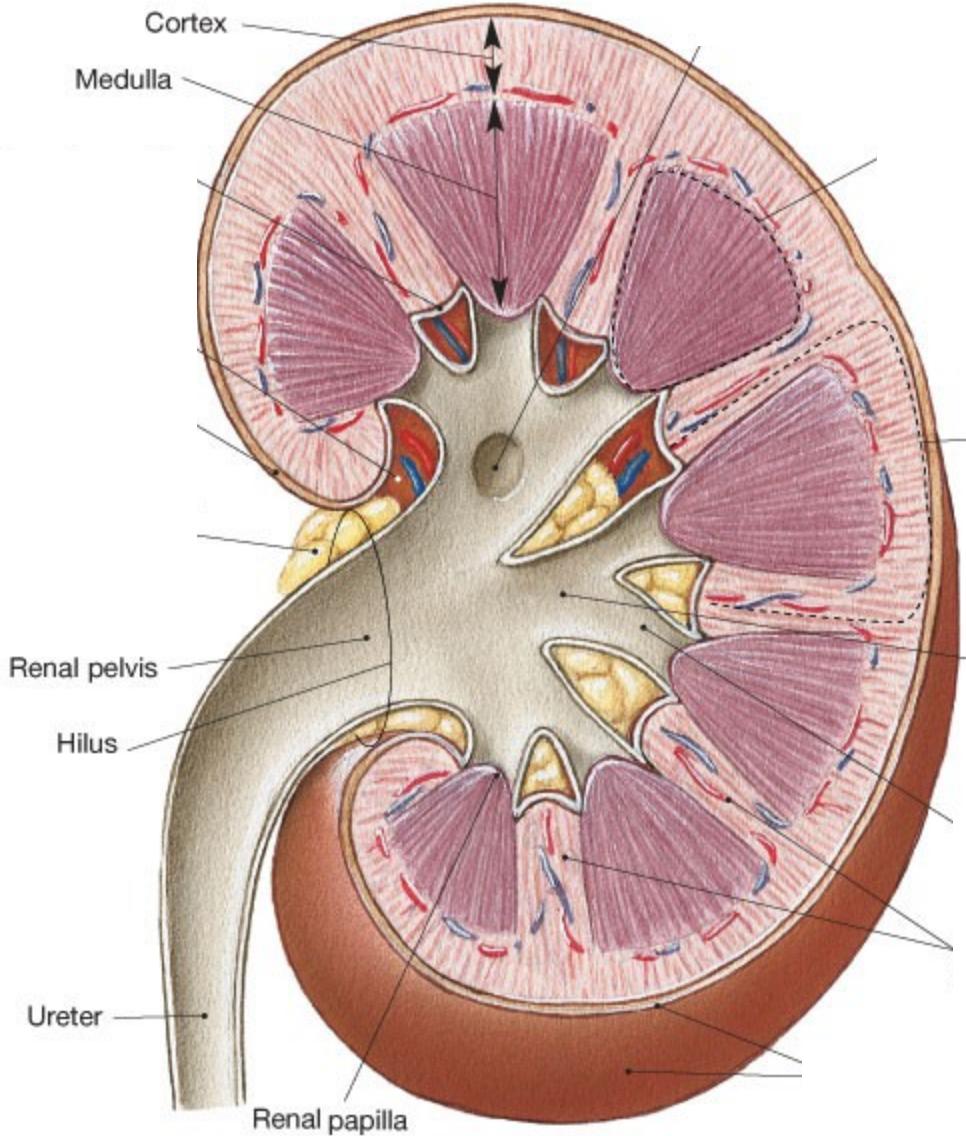




Urinary system

- **Ren**
- **Calyx renalis**
- **Ureter**
- **Vesica urinaria**
- **Urethra**





Kidney (ren, nephros)

Capsula fibrosa
Capsula adiposa

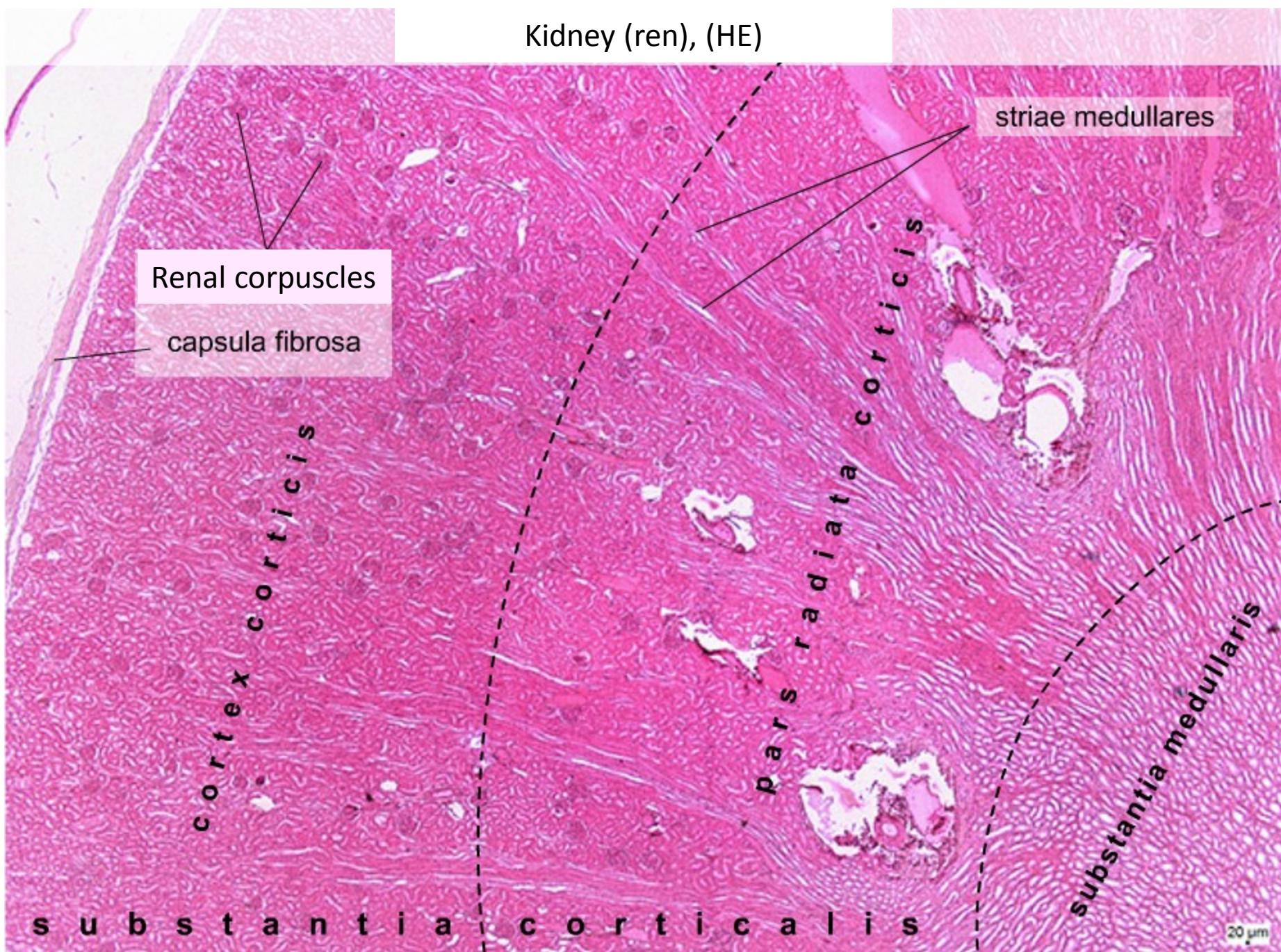
Cortex:

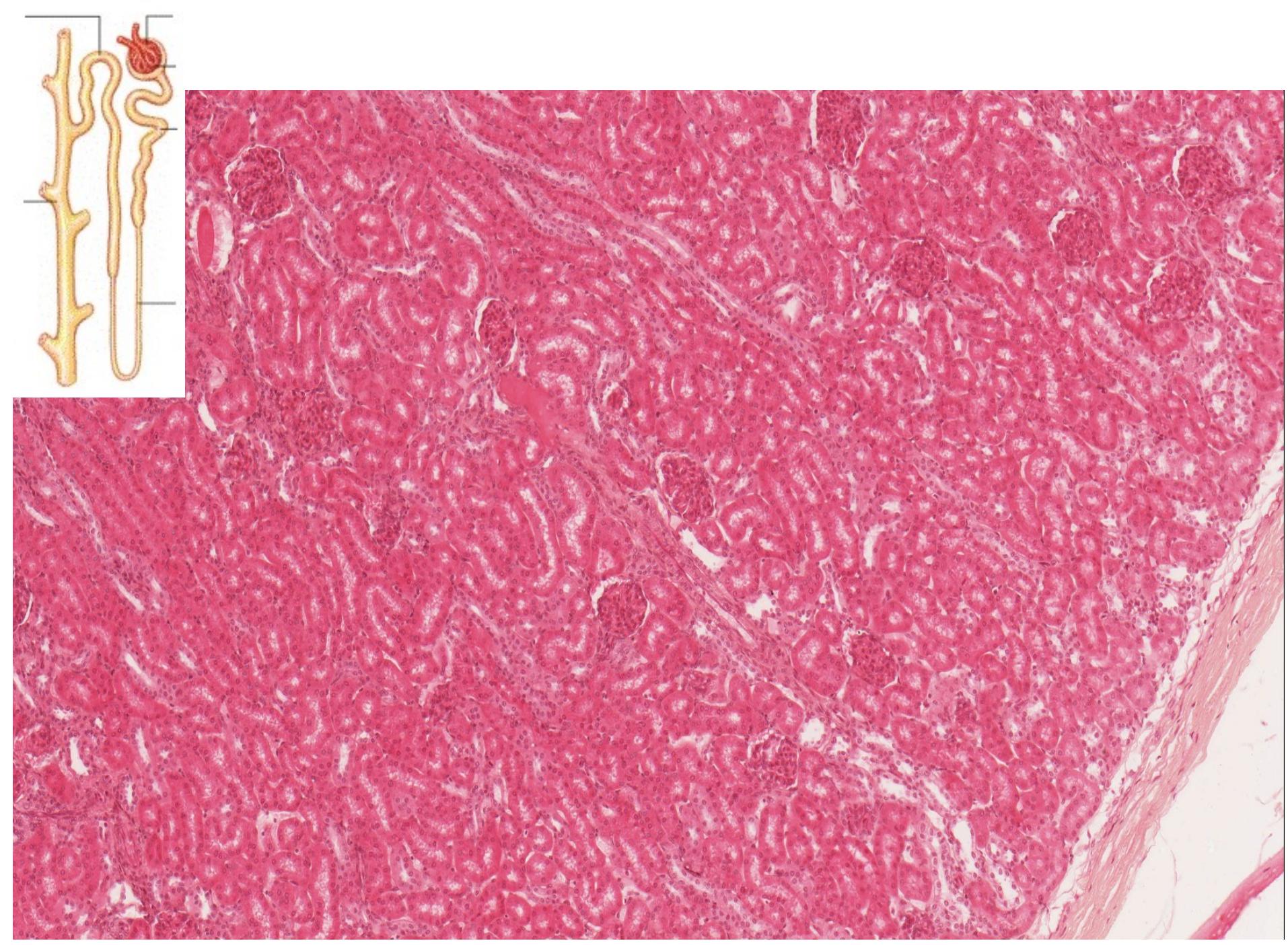
- cortex corticis
- pars radiata corticis
- columnae renales (Bertini)

Medulla:

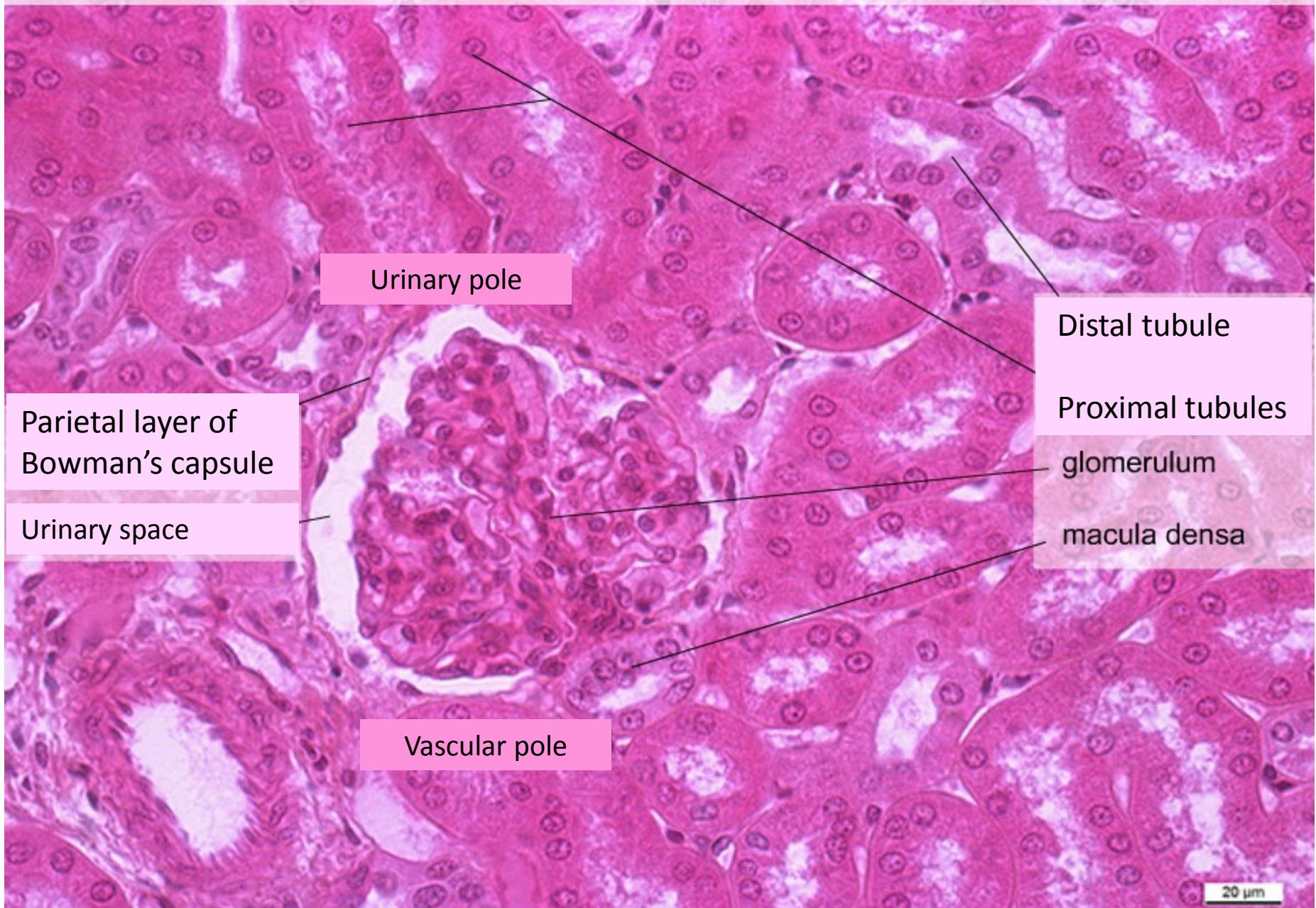
- pyramides renales (10 – 18)
- papillae renales
- foramina papillaria in area cribrosa
- medullary rays

Kidney (ren), (HE)

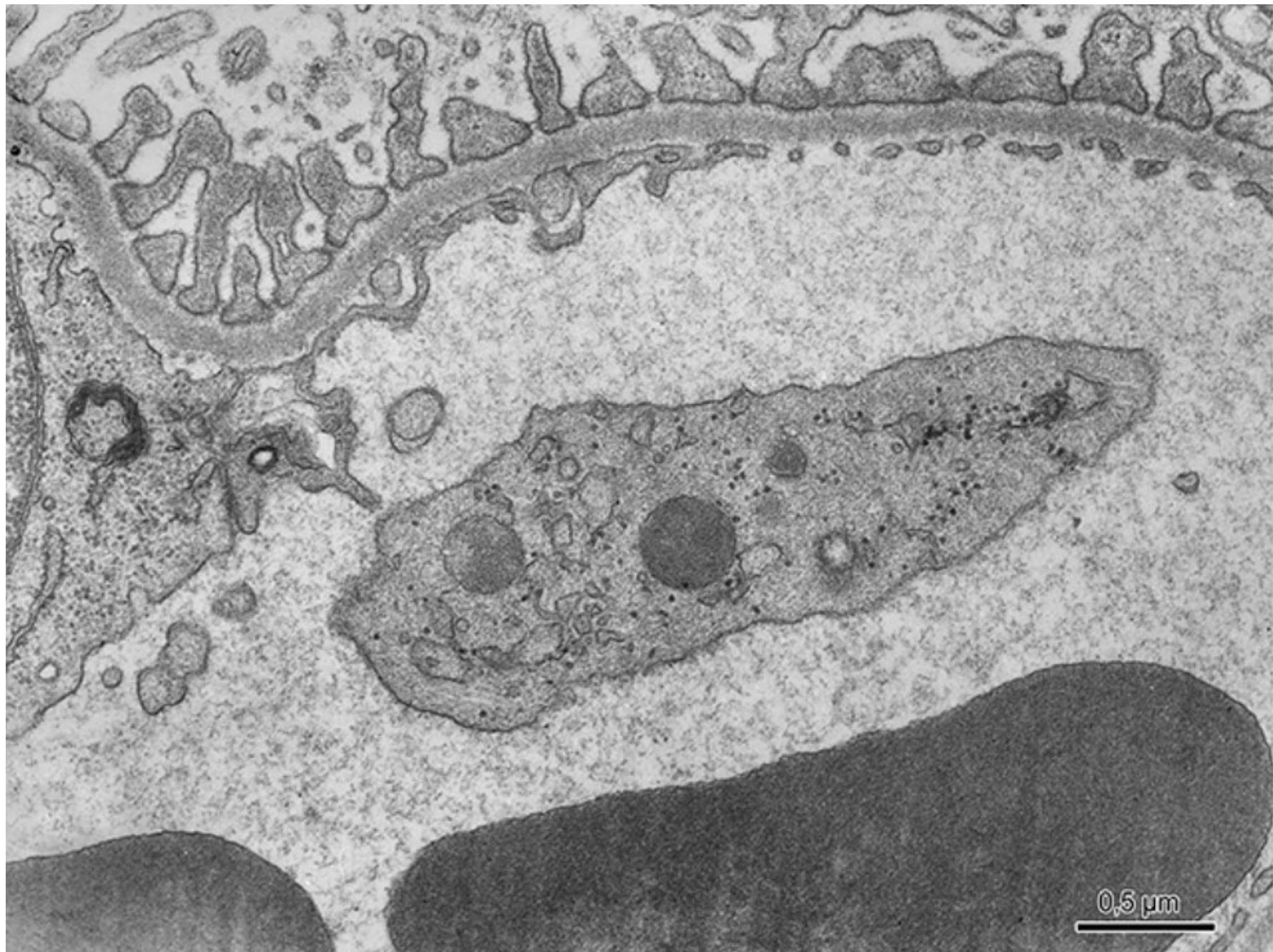




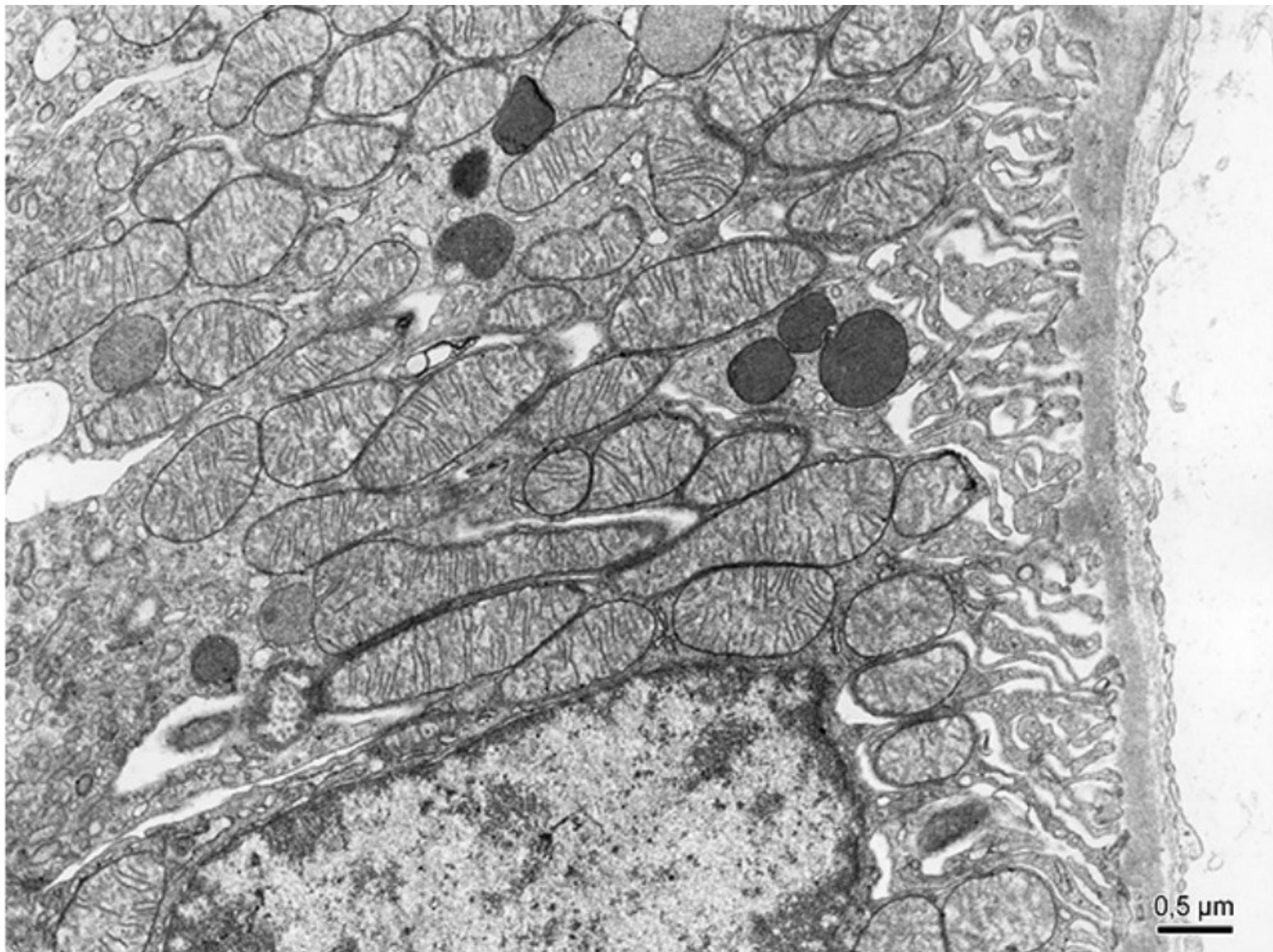
Ren – corpusculum renis, (HE), objektiv 40×



Filtration barrier



Basal labyrinth



0.5 μm

Ren – medulla, (HE), objektiv 40×



Calyx renalis, (HE), objektiv 2,5×

Transitional
epithelium

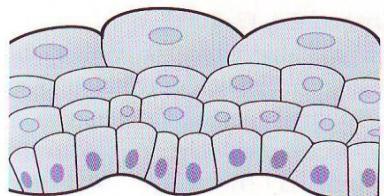
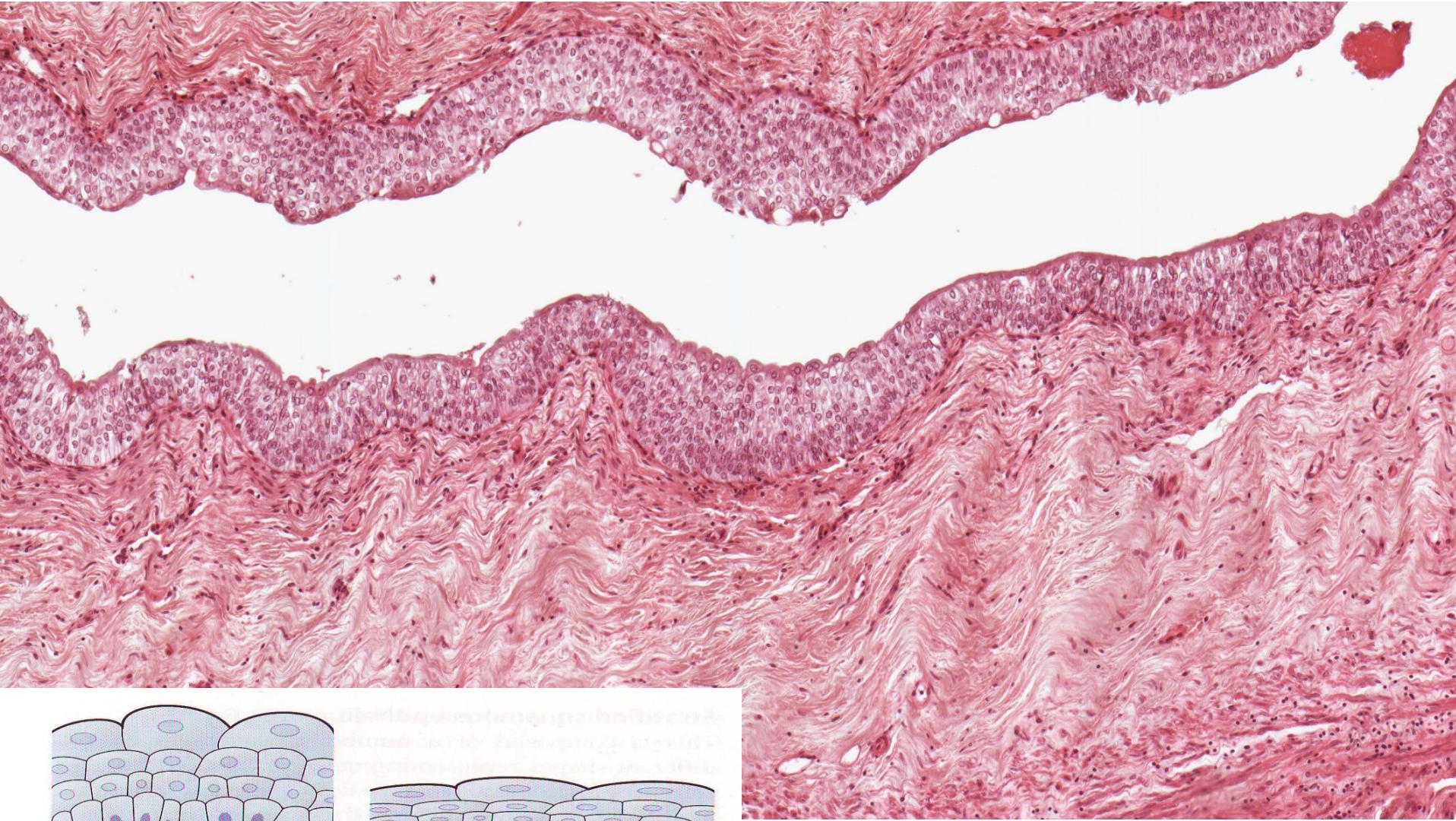
calyx renalis

Adipose tissue

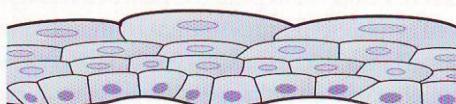
artery

20 µm

Calyx renalis (HE)



A Relaxed



B Stretched

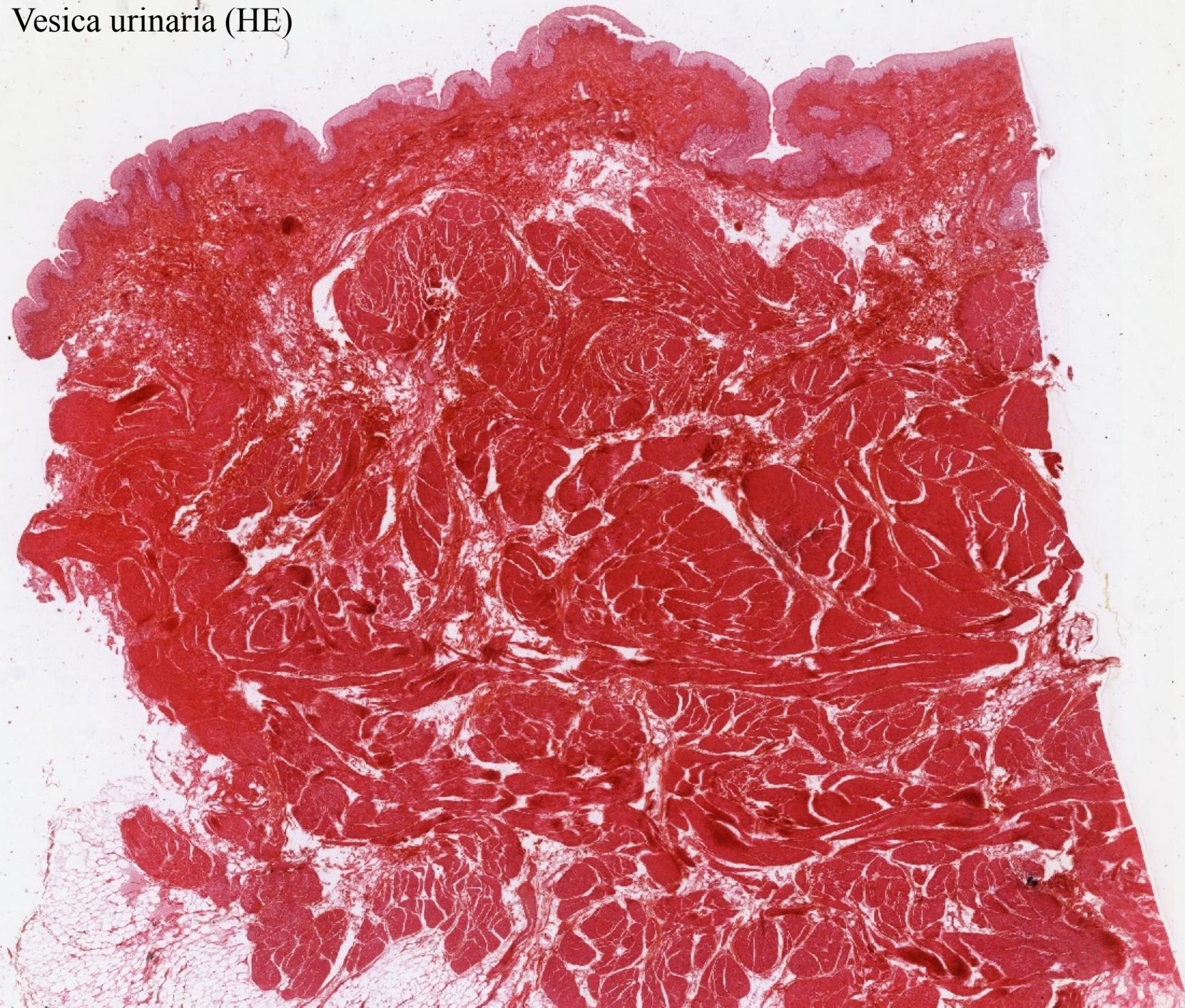
Transitional epithelium: A. Relaxed. B. Stretched.

Ureter (HES)

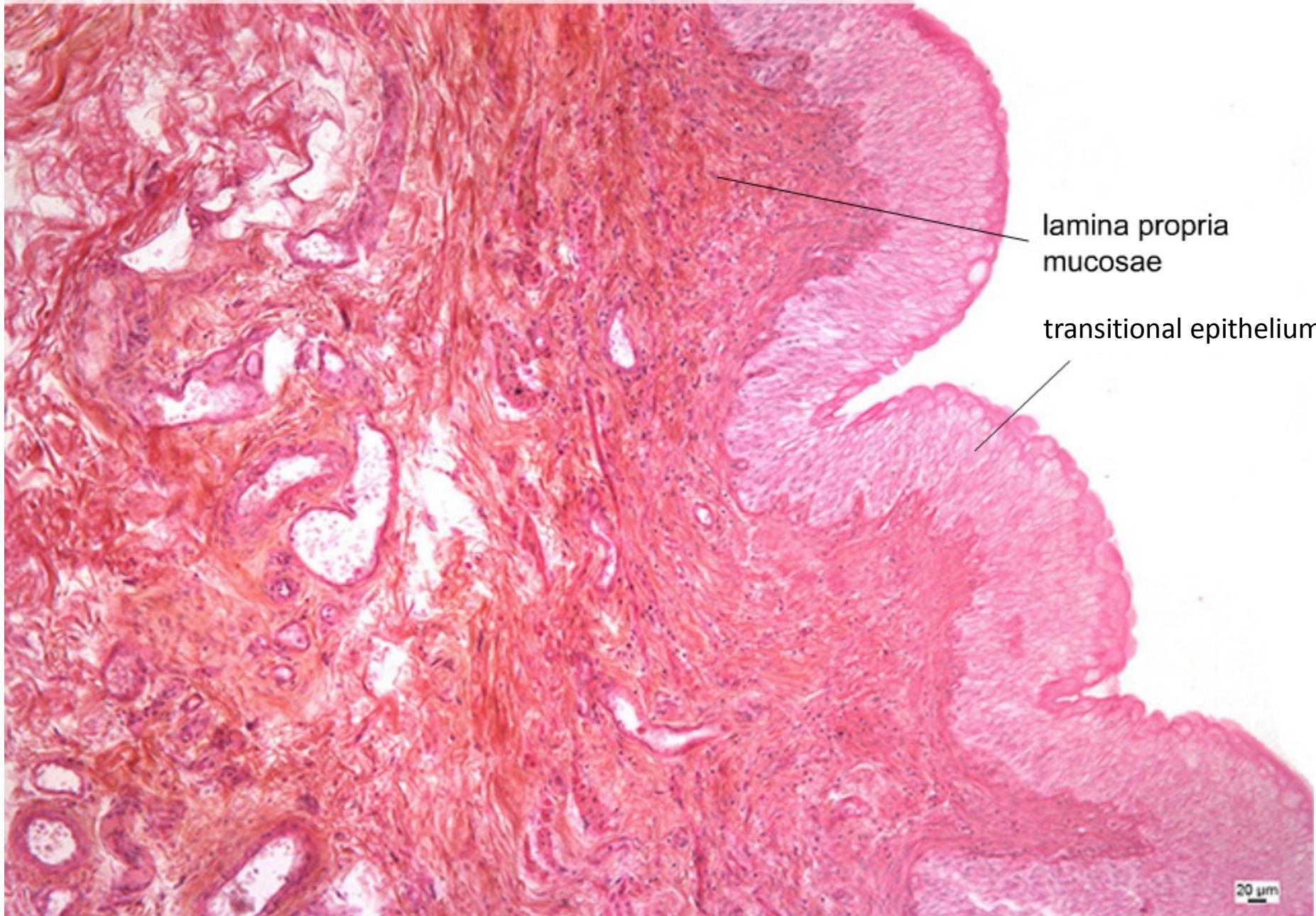


20 μ m

Vesica urinaria (HE)



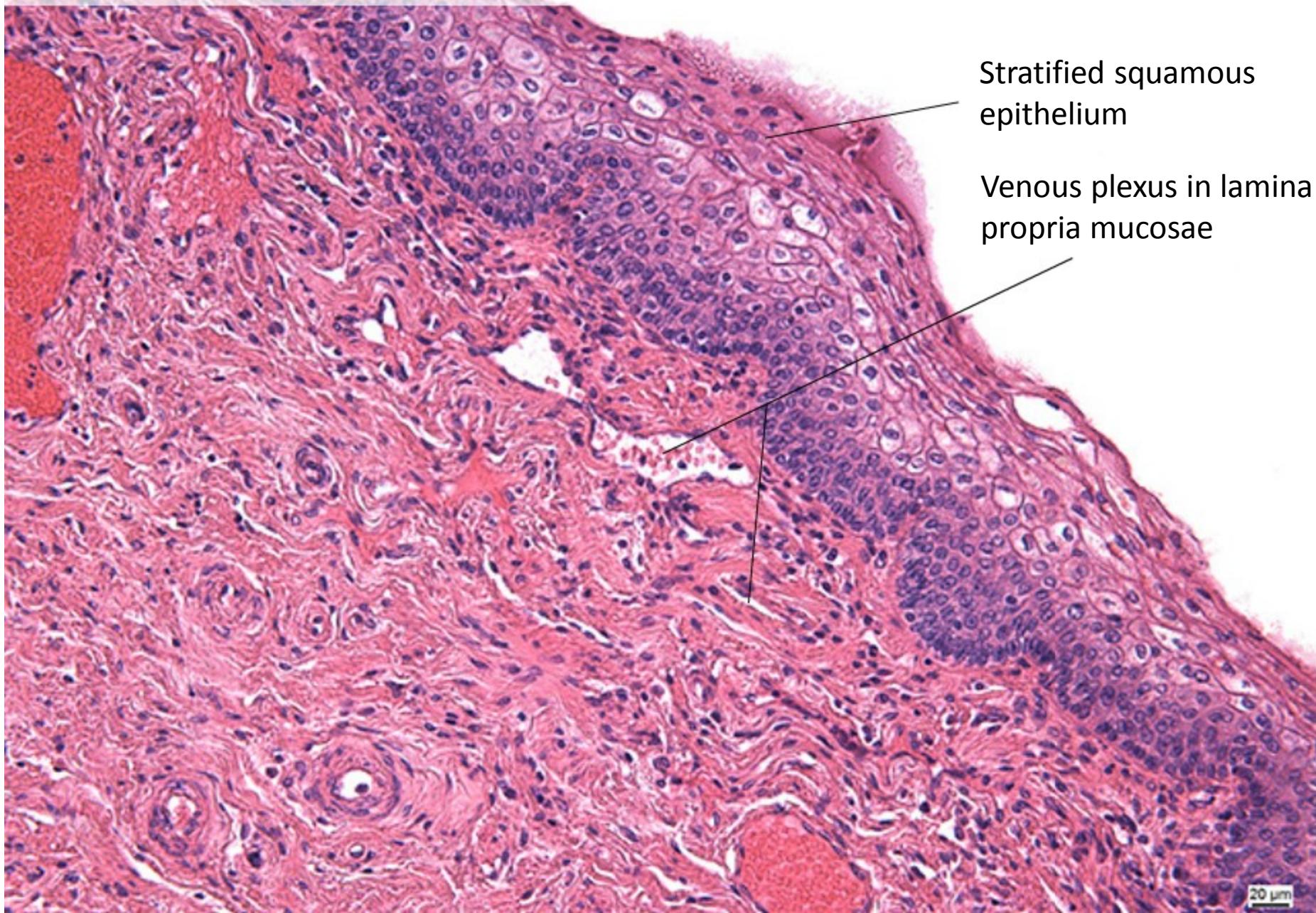
Vesica urinaria – tunica mucosa, (HE), objektiv 20×



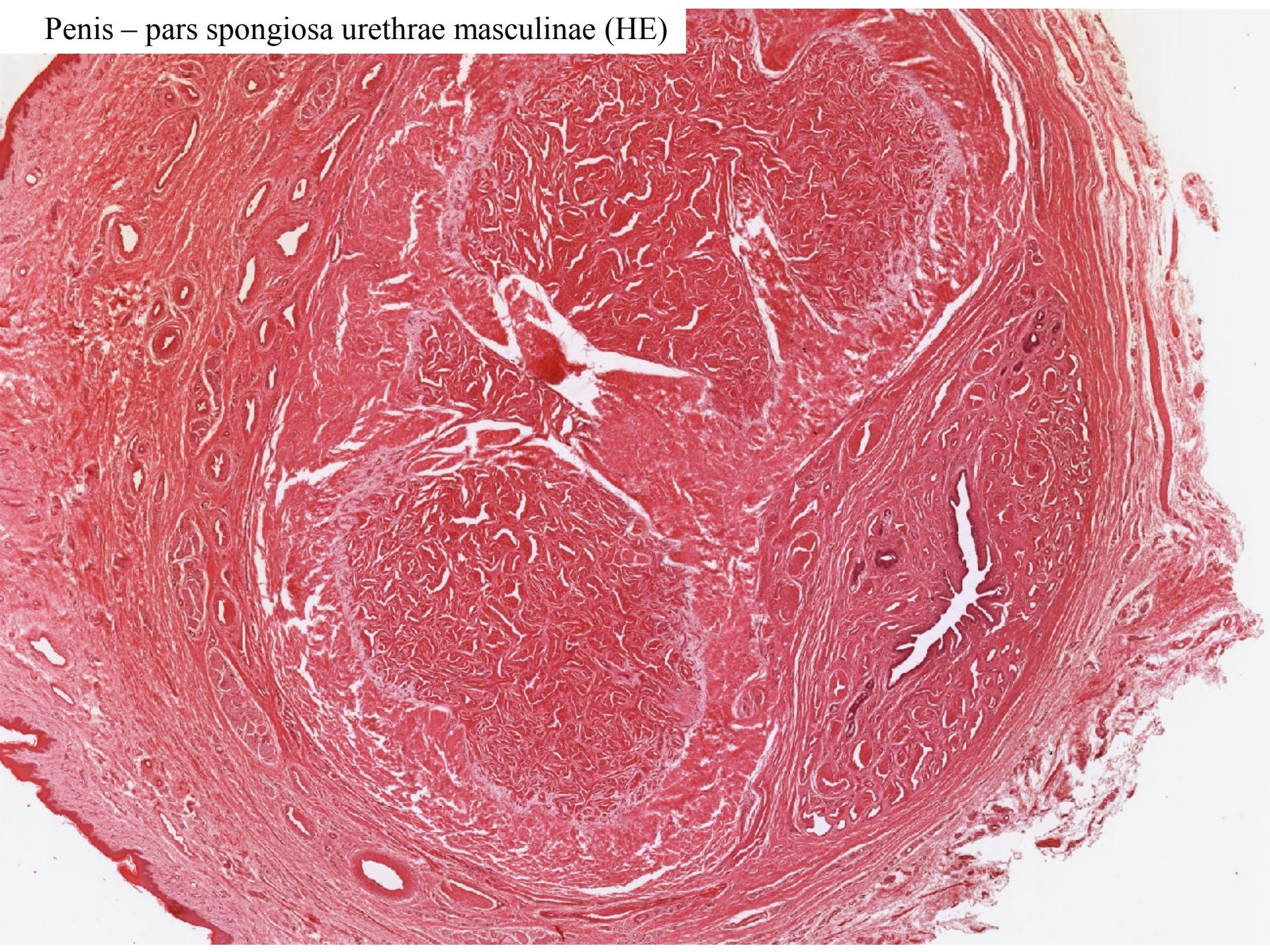
Urethra feminina (HE)



Urethra feminina – tunica mucosa, (HE), objektiv 20×



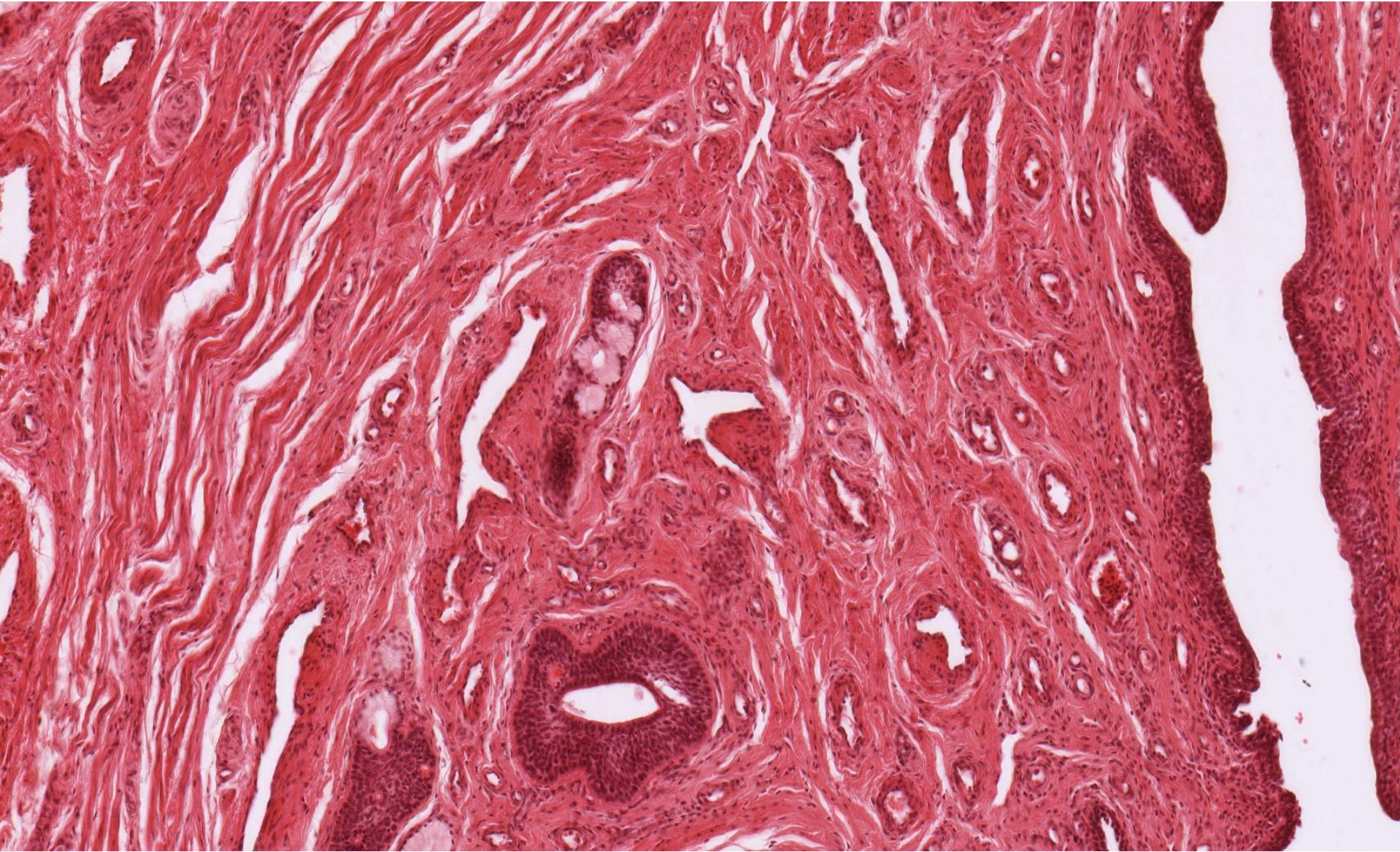
Penis – pars spongiosa urethrae masculinae (HE)



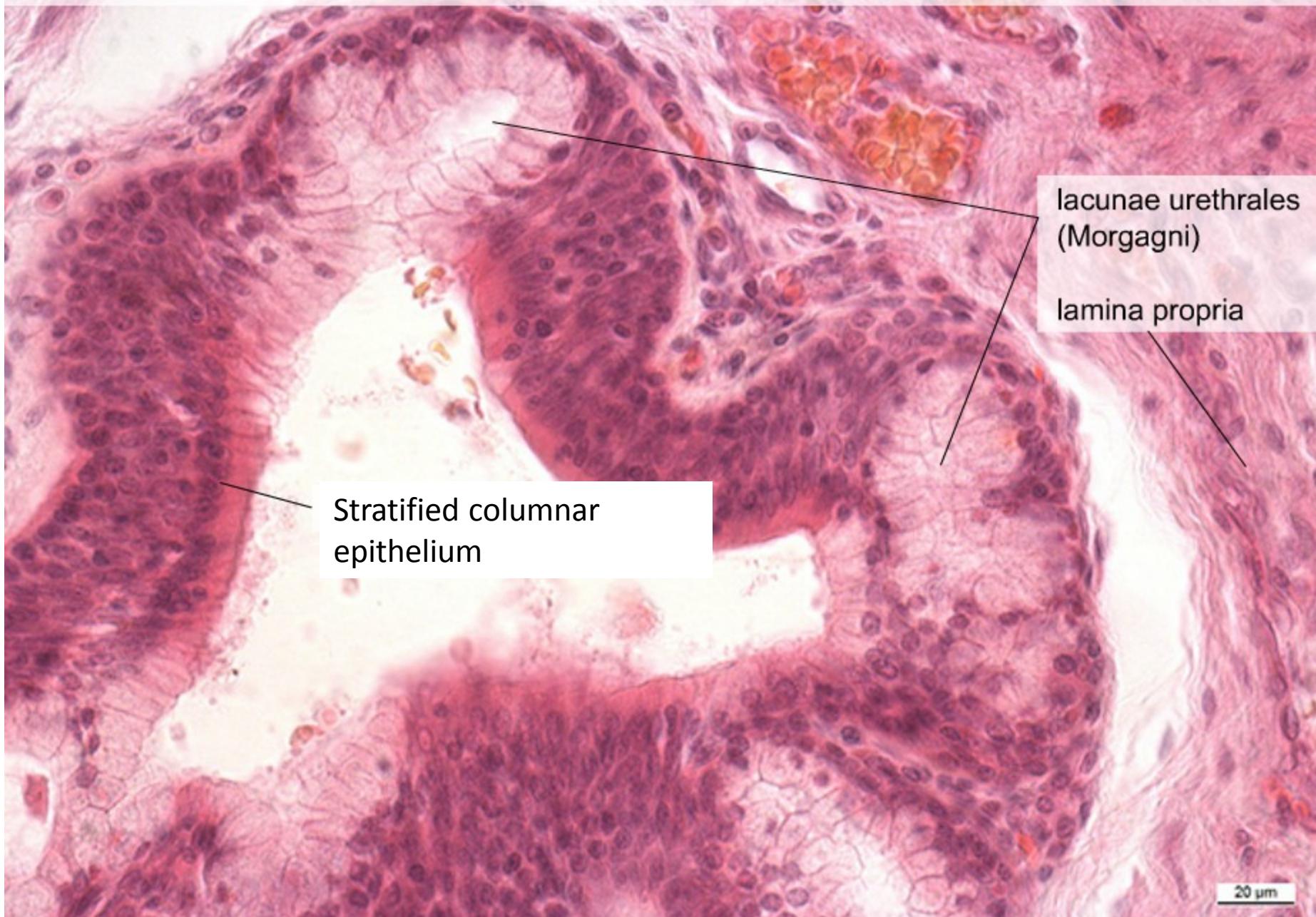
Urethra masculina – přehled, glandulae paraurethrales, (HE), objektiv 2,5×



Penis – pars spongiosa urethrae masculinae (HE)



Urethra masculina – lacunae urethrales, (HE), objektiv 40×



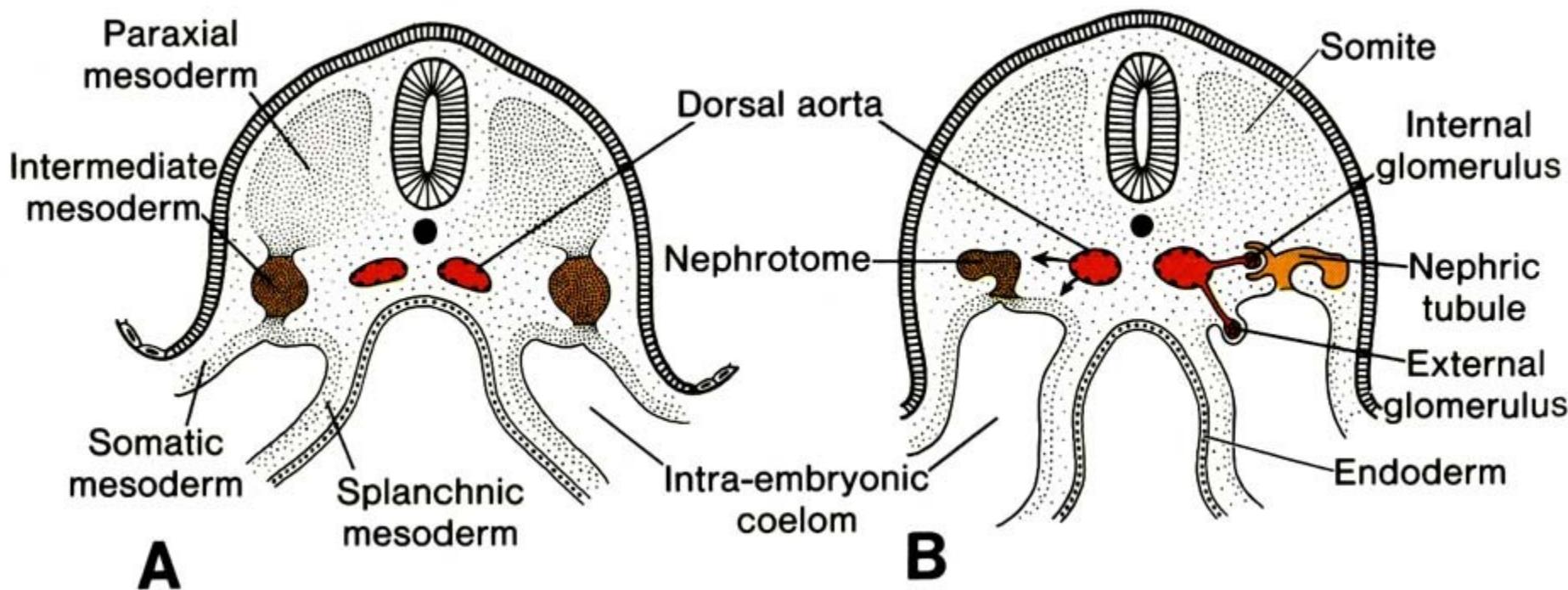
URINARY SYSTEM

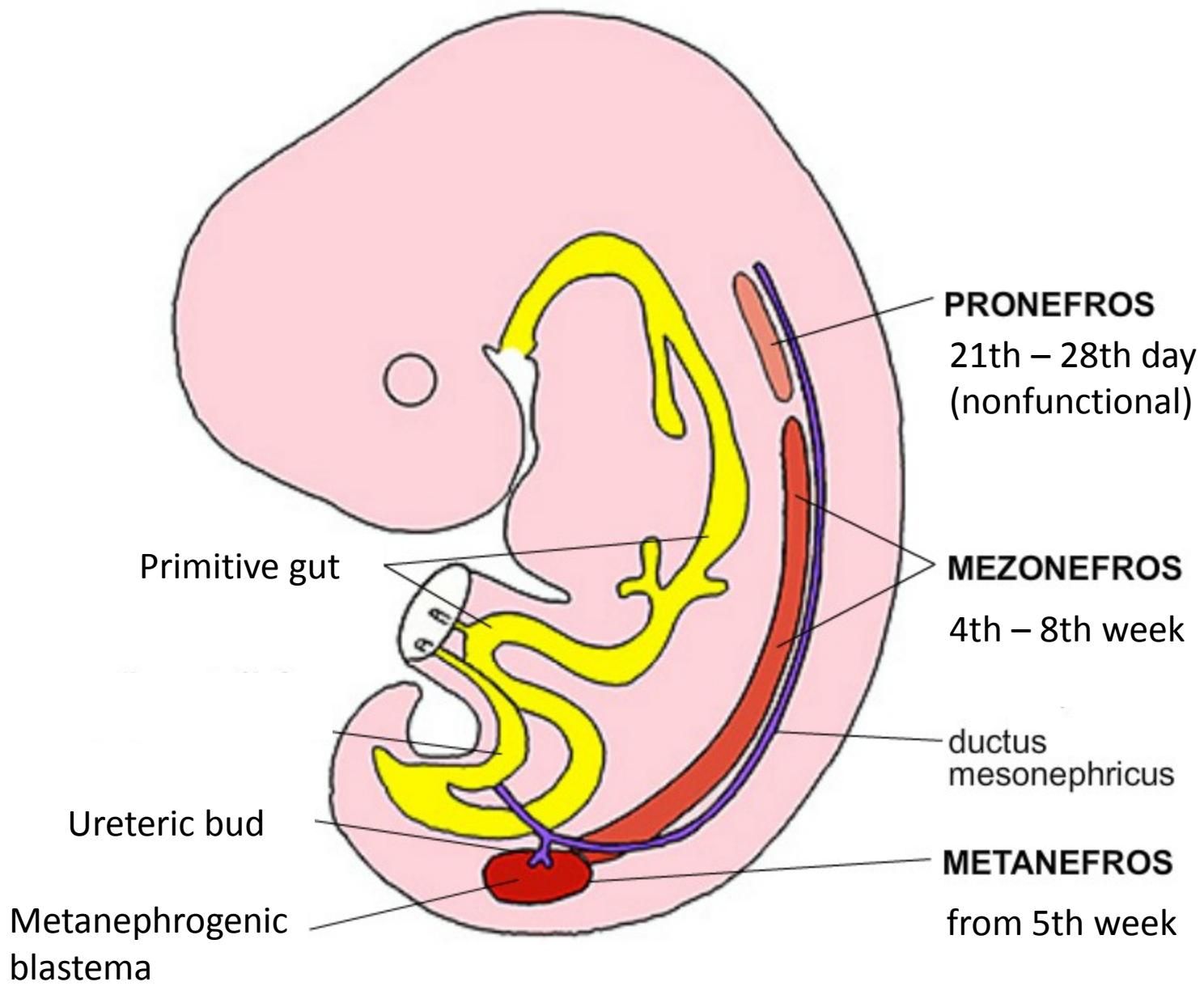
Slides:

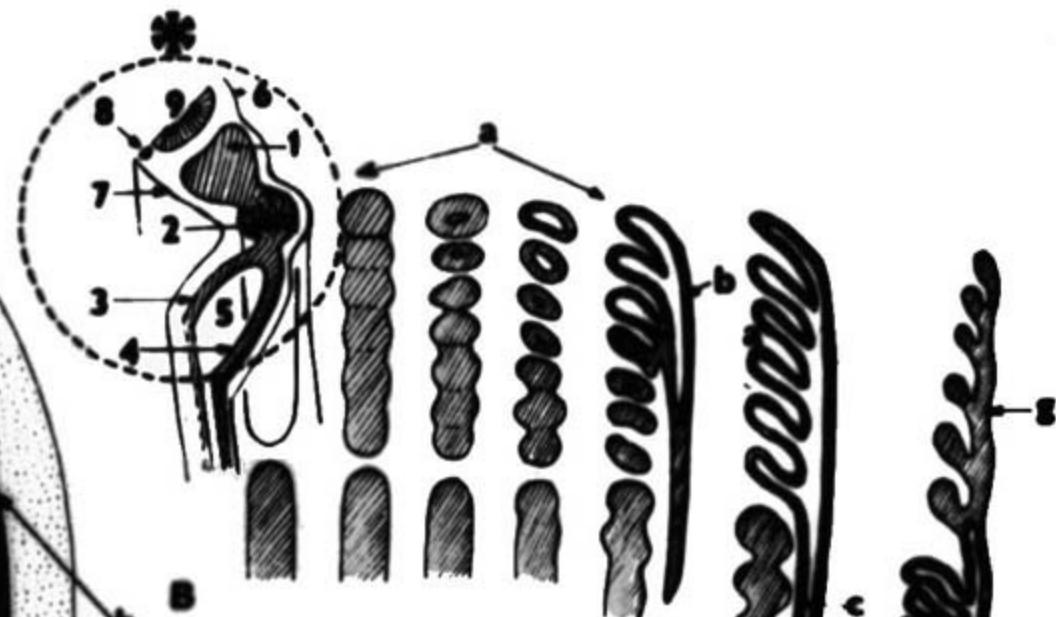
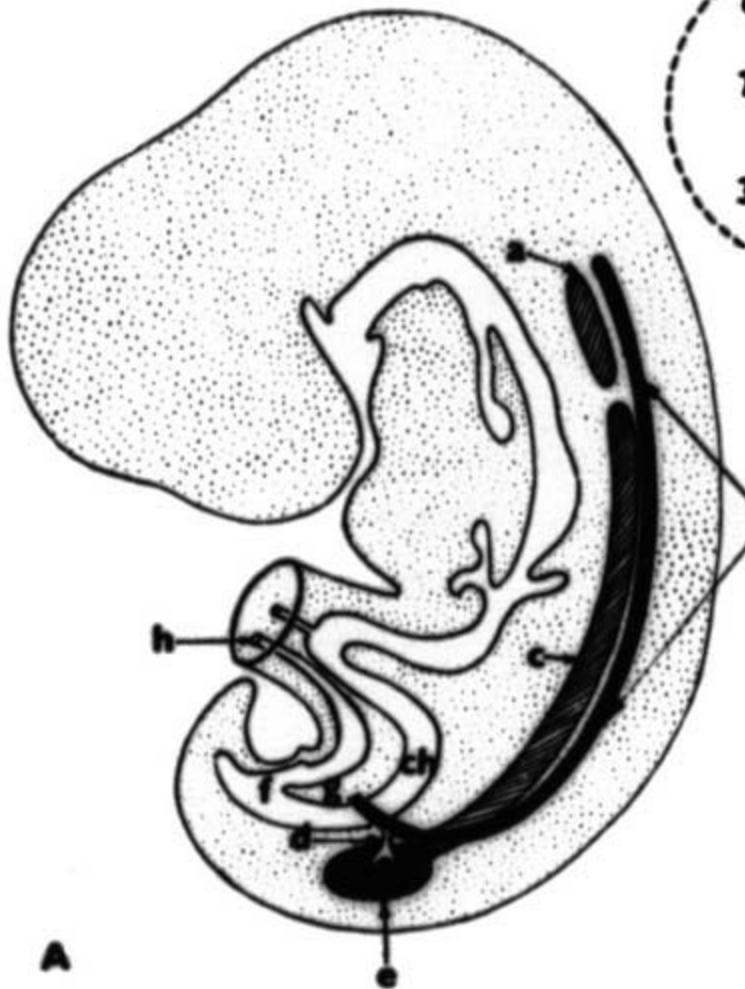
- 30. Ren (HE)
- 31. Ren (Weigert – van Gieson)
- 32. Calyx renalis (HE)
- 33. Ureter (HE)
- 34. Vesica urinaria (HE)
- 35. Urethra feminina (HE)
- 41. Penis – pars spongiosa urethrae masculinae (HE)

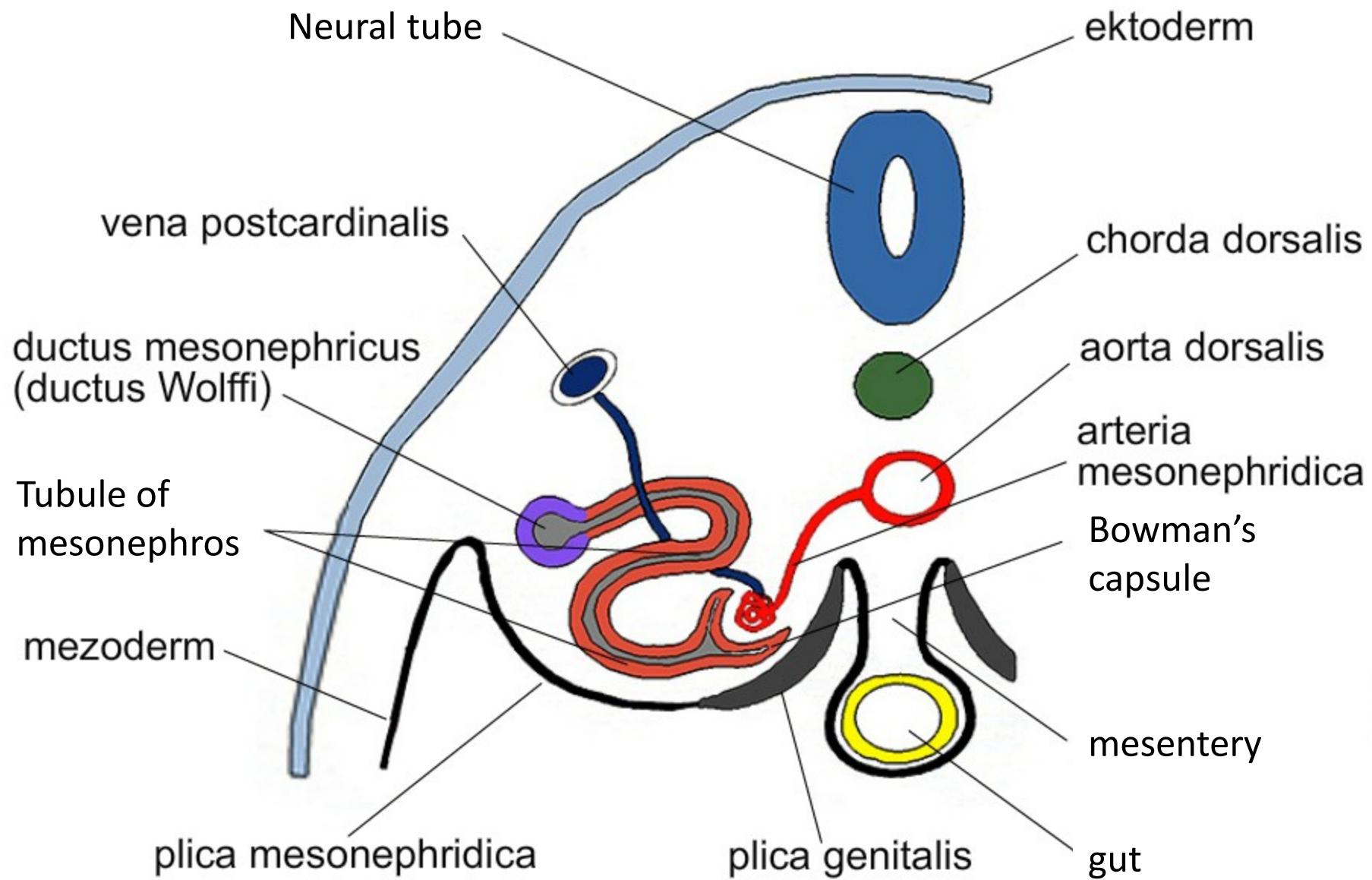
Atlas EM: basal labyrinth (49)

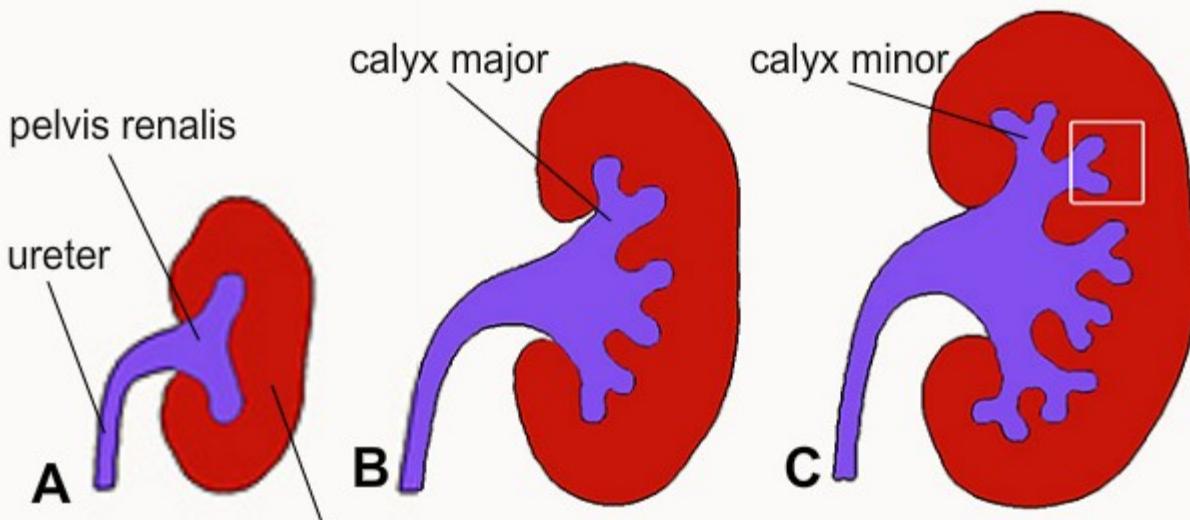
Development of urinary system



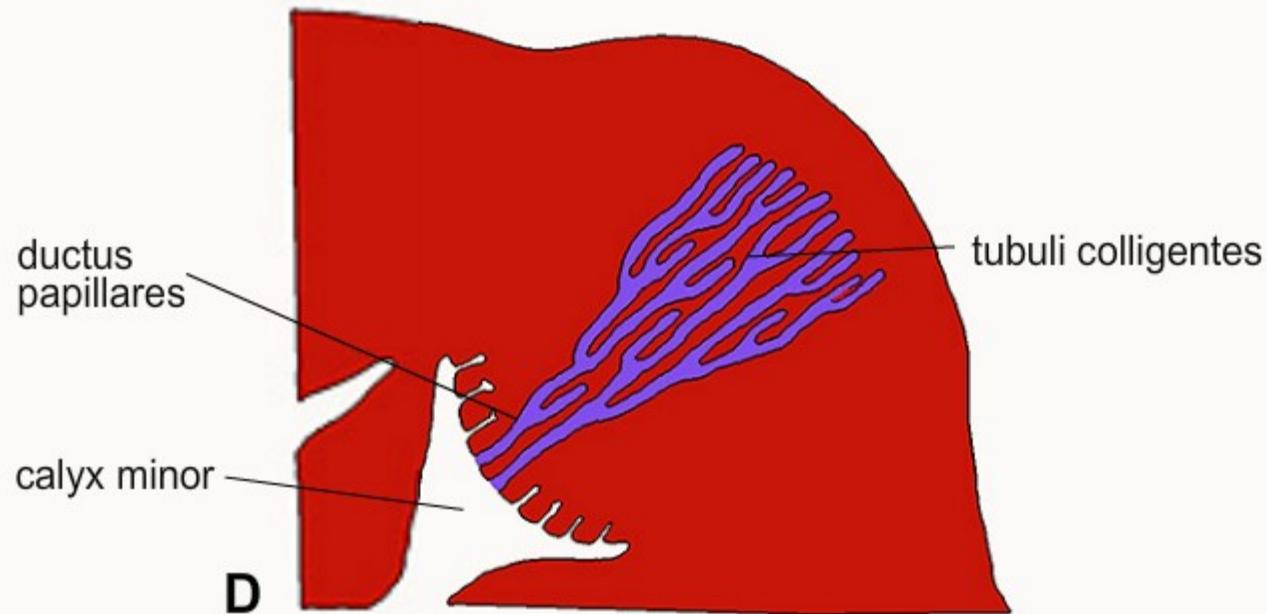




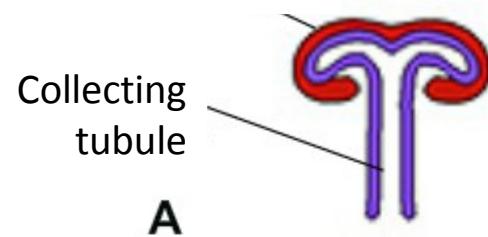




Metanephrogenic blastema

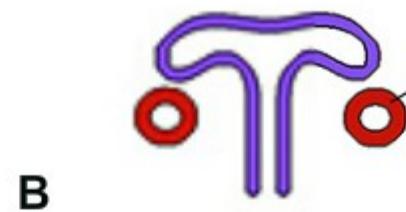


Metanephrogenic
blastema



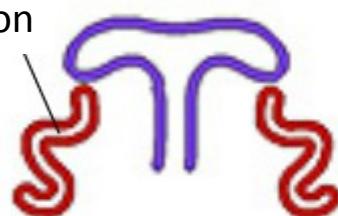
A

Renal
corpuscle



B

Tubule of
nephron



C

glomerulus



D

Loop of
Henle



E

Proximal
tubule



F

Distal
tubule

Bowman's
capsule

Loop of
Henle

