



# Male reproductive system

Gonads – *testes*

Excretory ducts

- *epididymis*
- *ductus deferens*
- *ductus ejaculatorius*
- male urethra

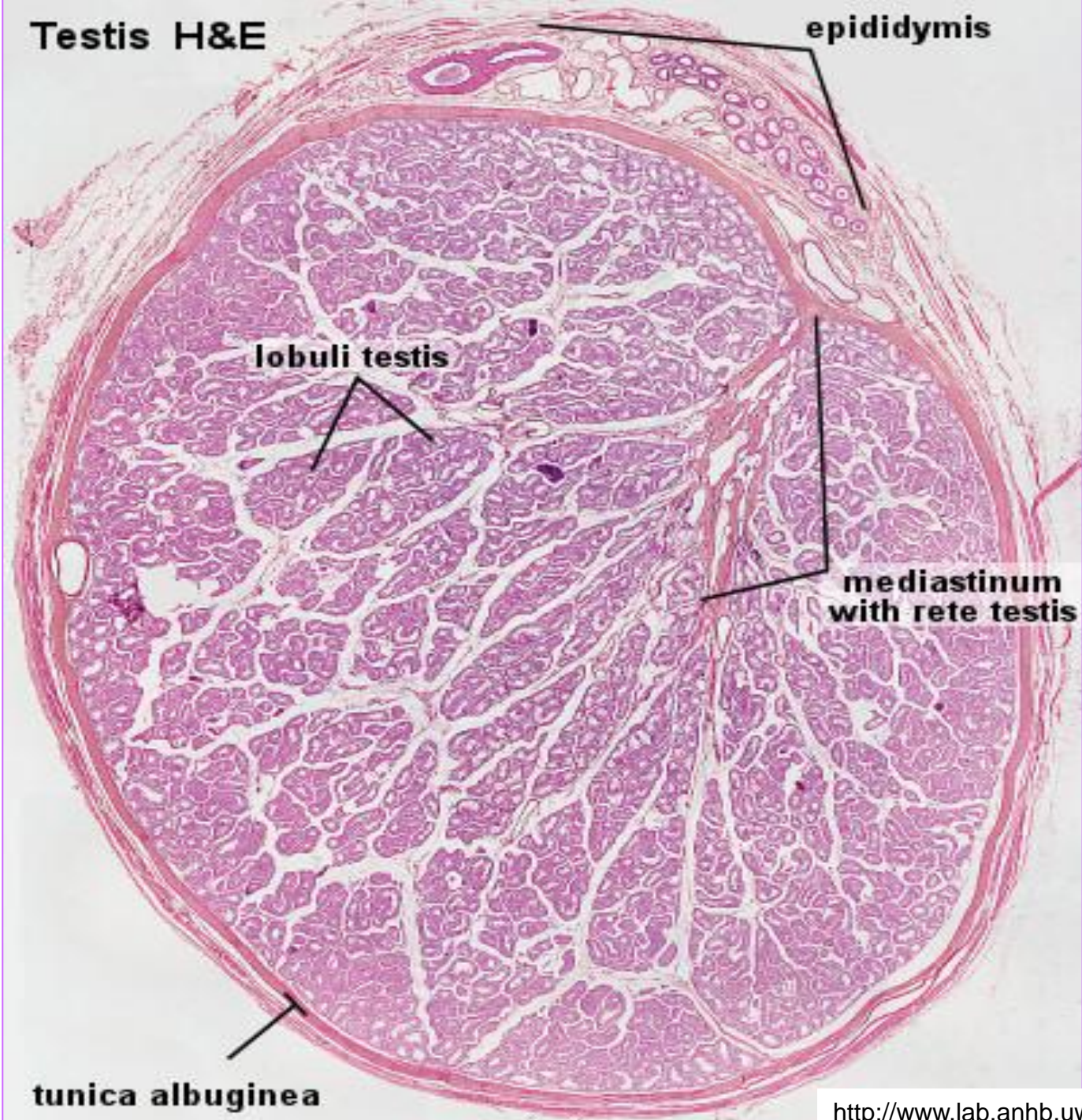
Accessory glands

- prostate
- *vesiculae seminales (gll. vesiculosae)*
- *gll. bulbourethrales*

External organs

- penis

**Testis H&E**



**epididymis**

**lobuli testis**

**mediastinum  
with rete testis**

**tunica albuginea**



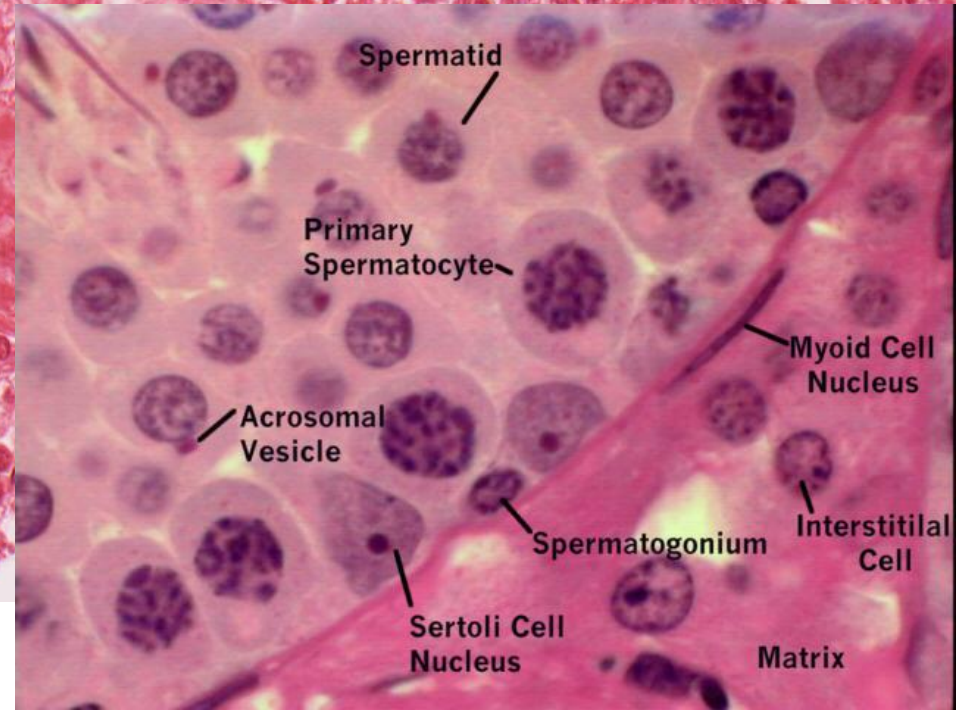
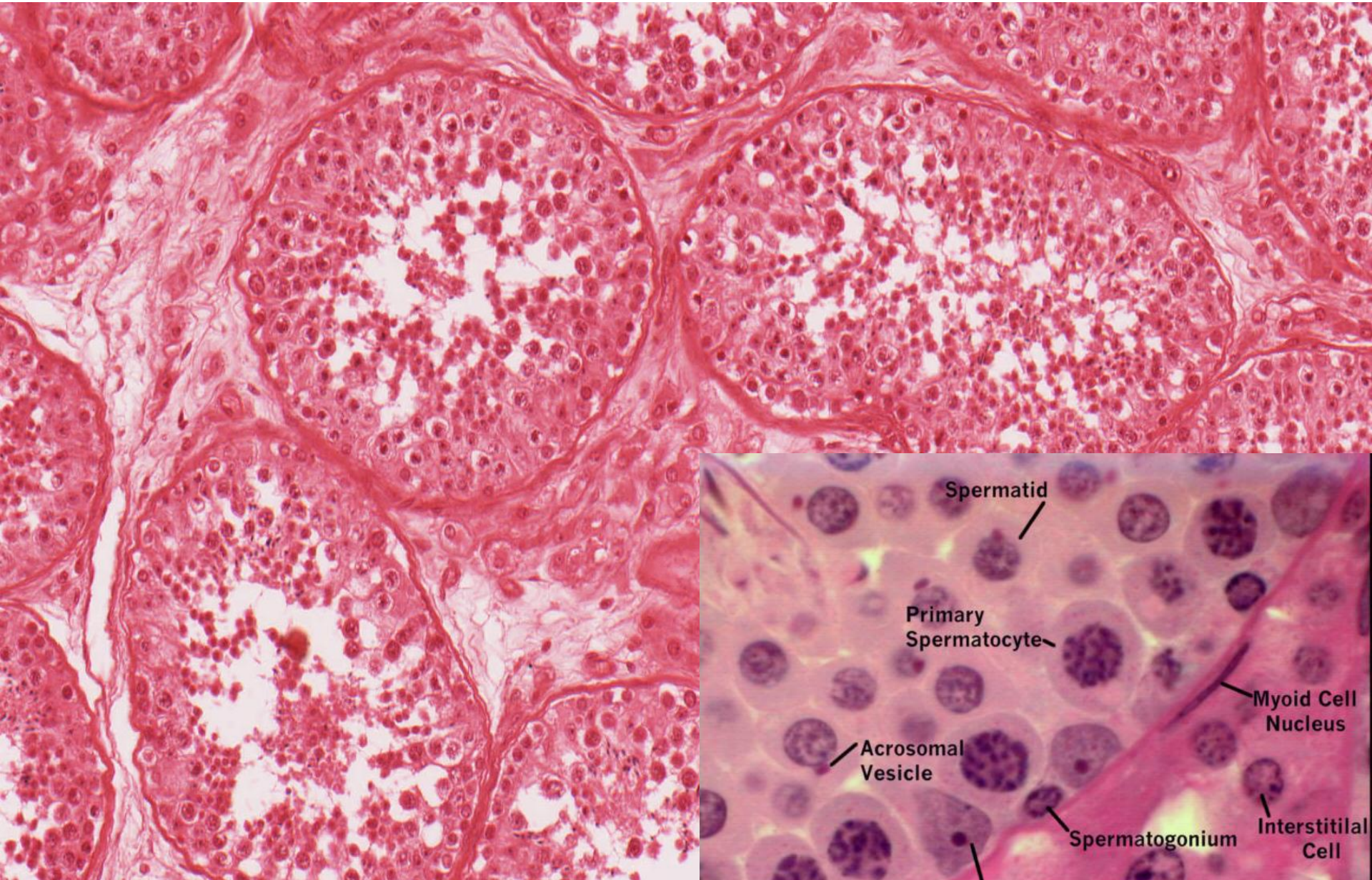
Testis (HE)

*Tunica albuginea*

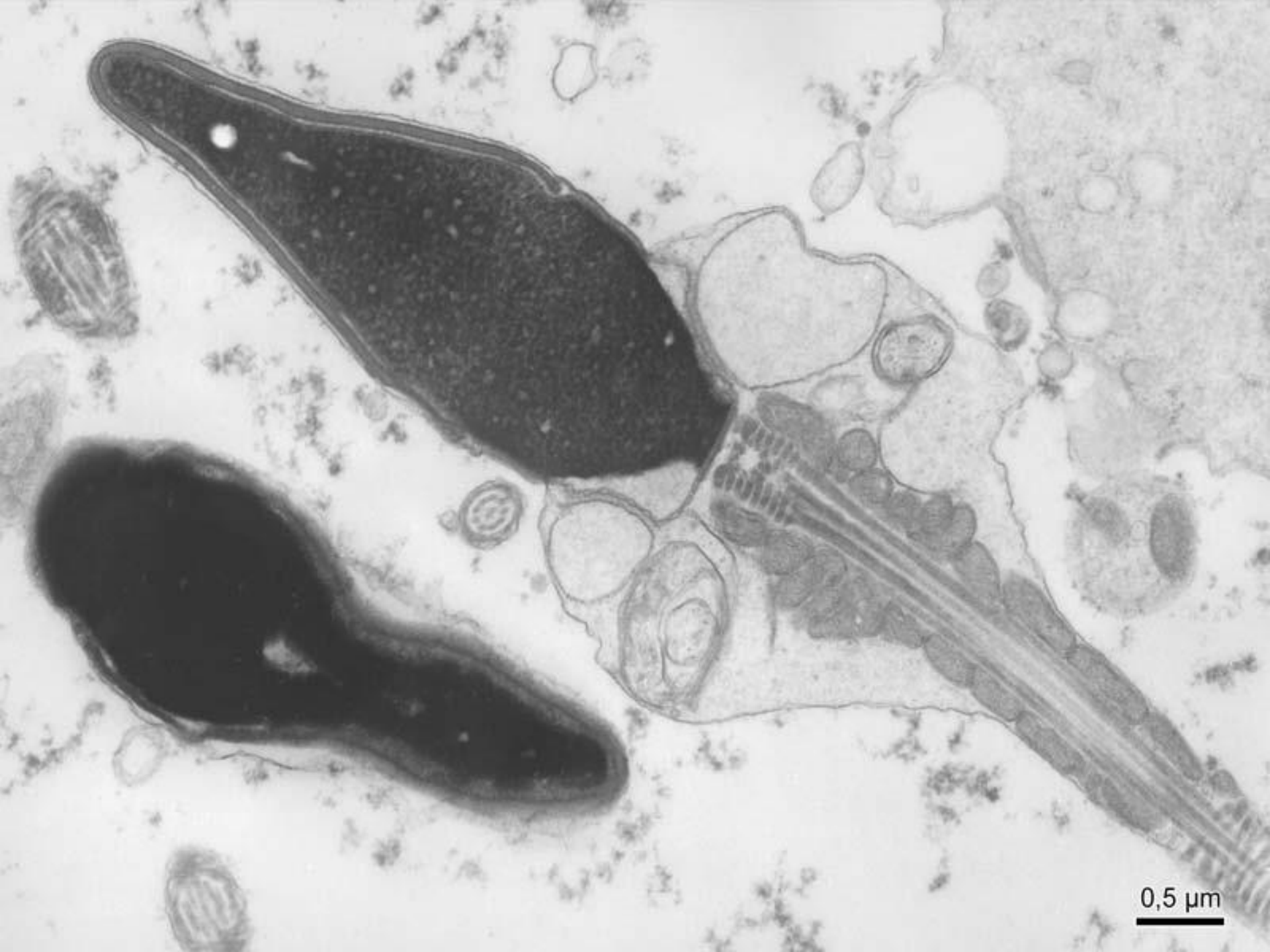




*Tubuli seminiferi contorti* - spermatogenesis







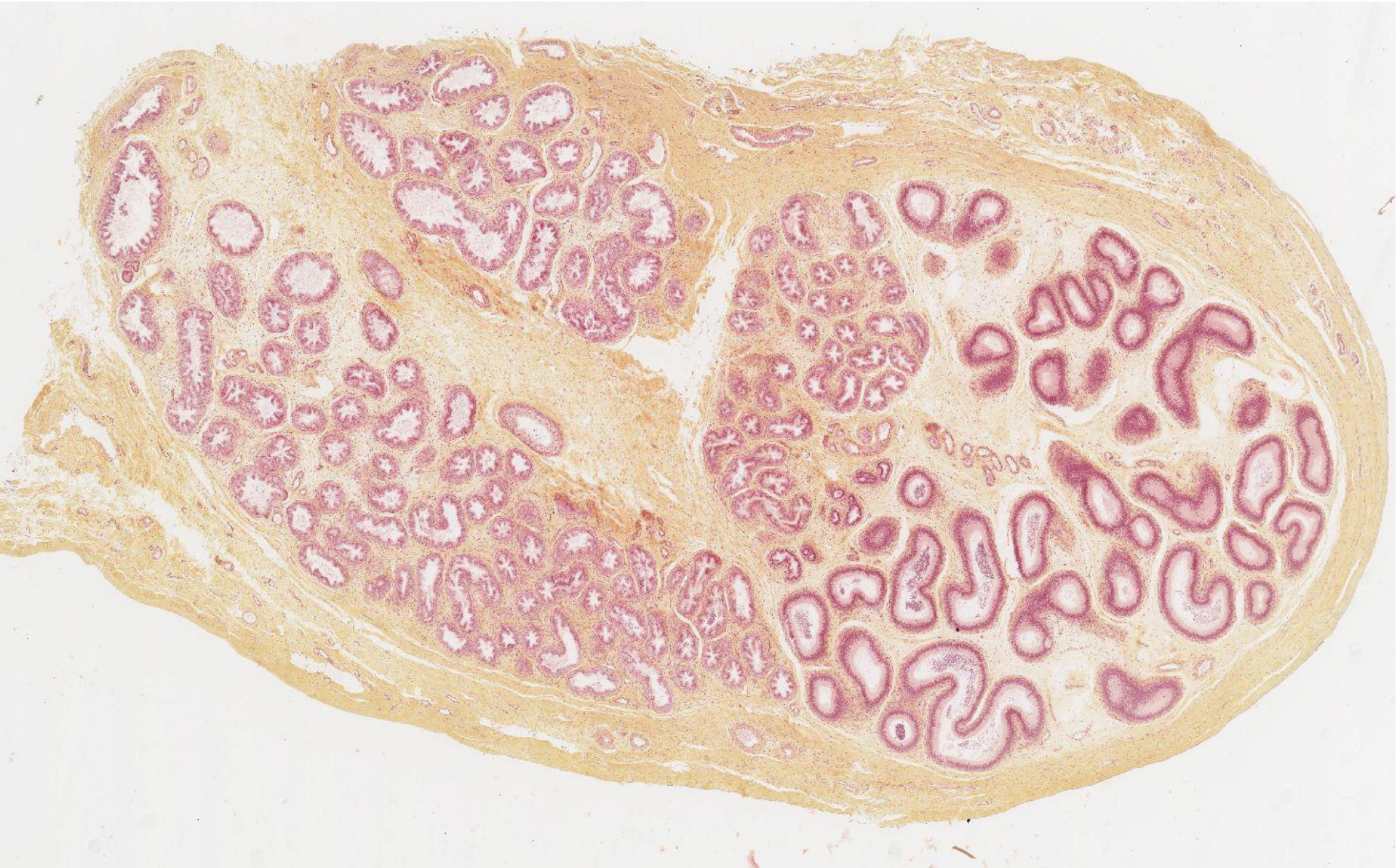
0,5  $\mu\text{m}$

**Rete testis**





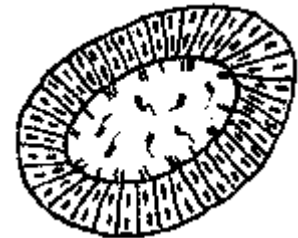
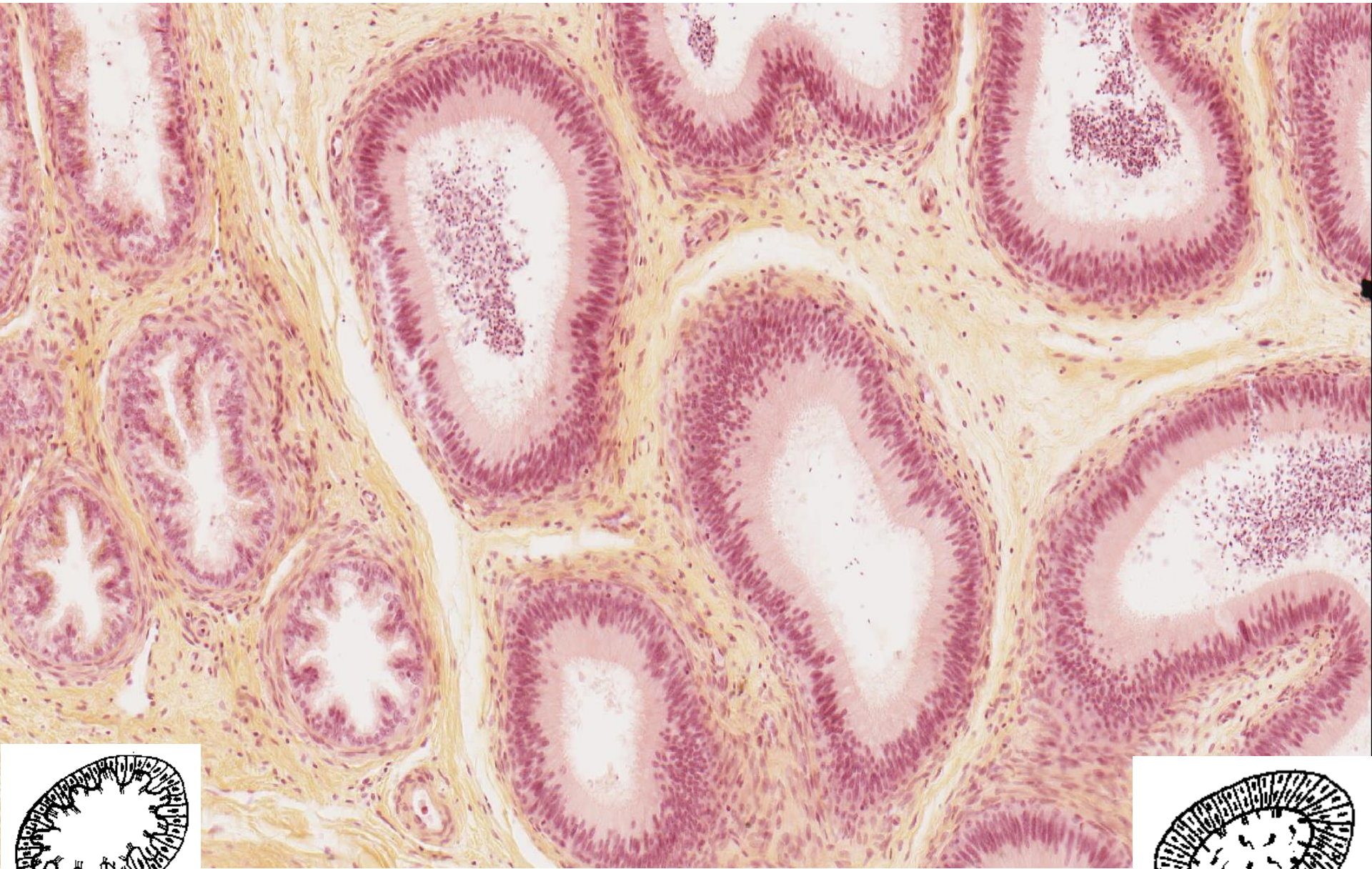
*Epididymis* (HES)





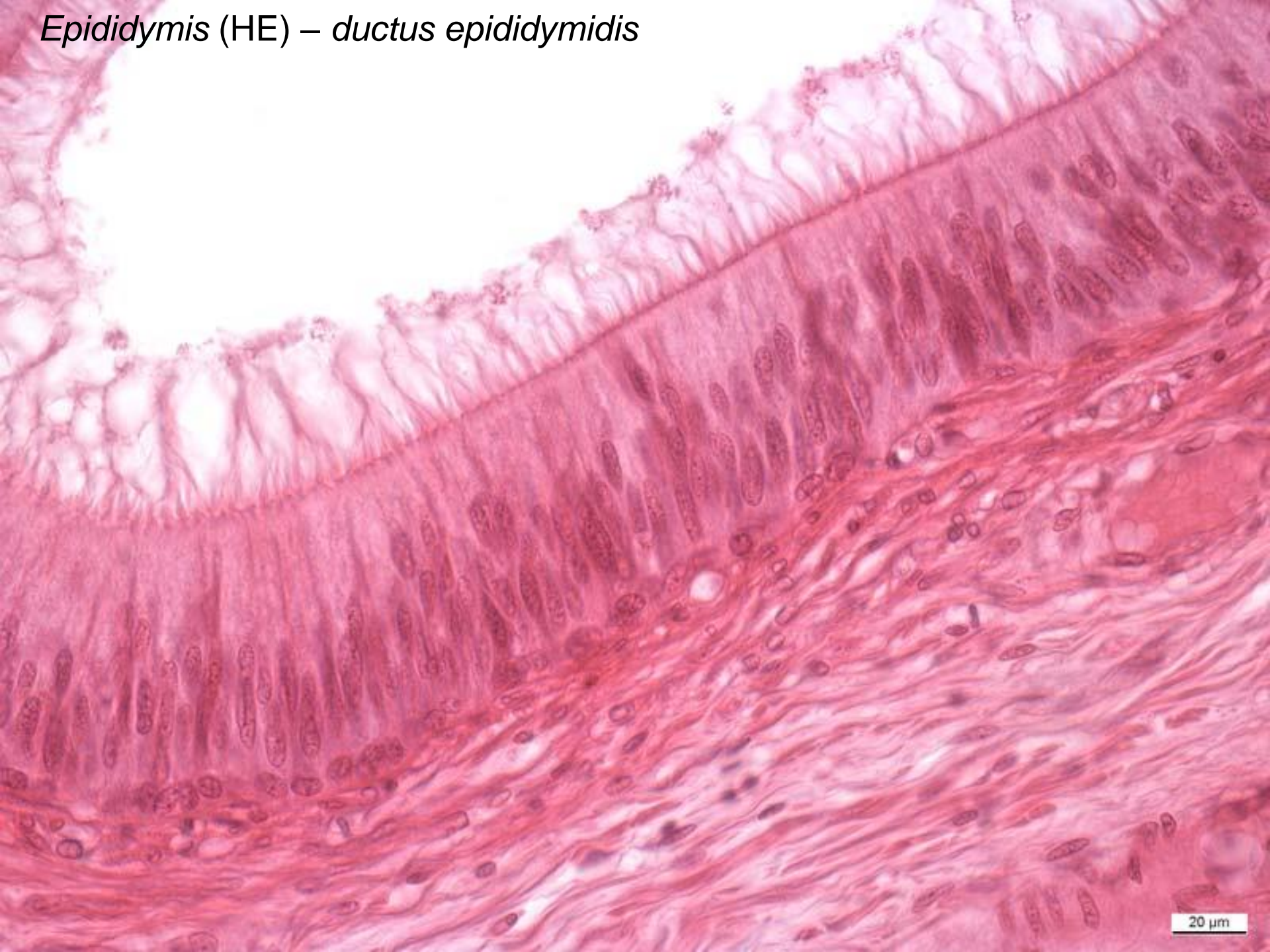
*Ductuli efferentes*

*Ductus epididymidis*





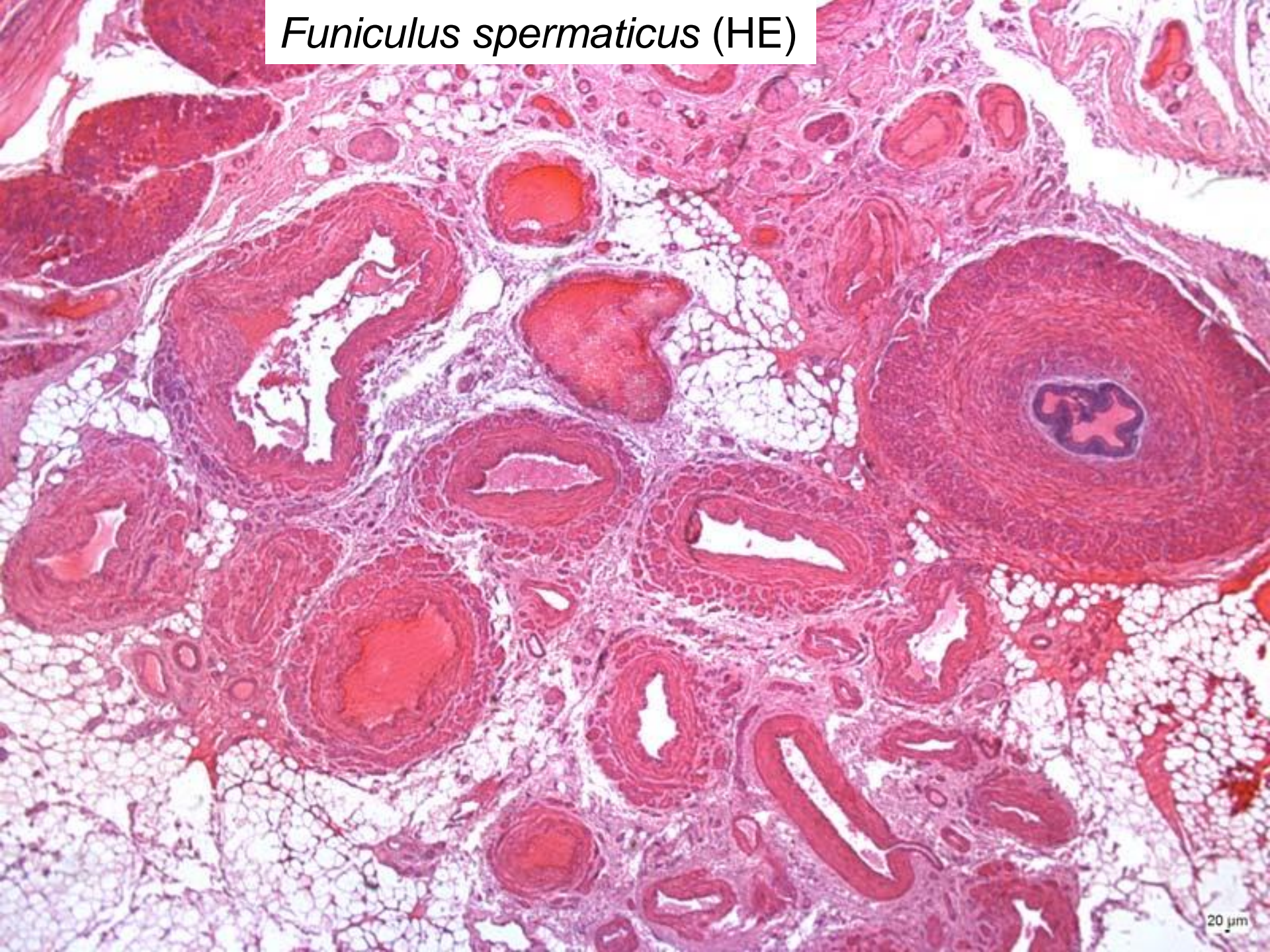
*Epididymis (HE) – ductus epididymidis*



20  $\mu$ m

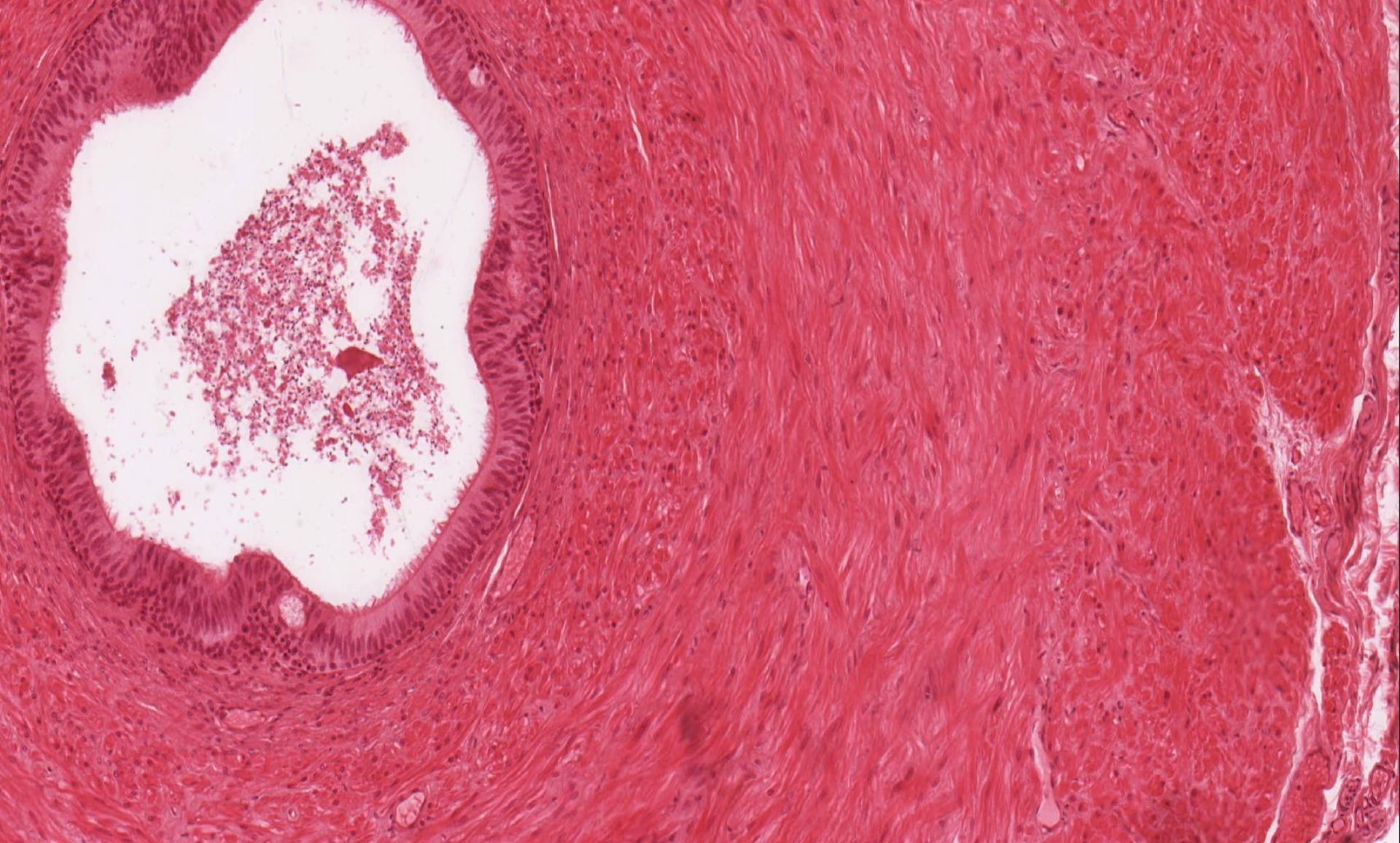


*Funiculus spermaticus* (HE)



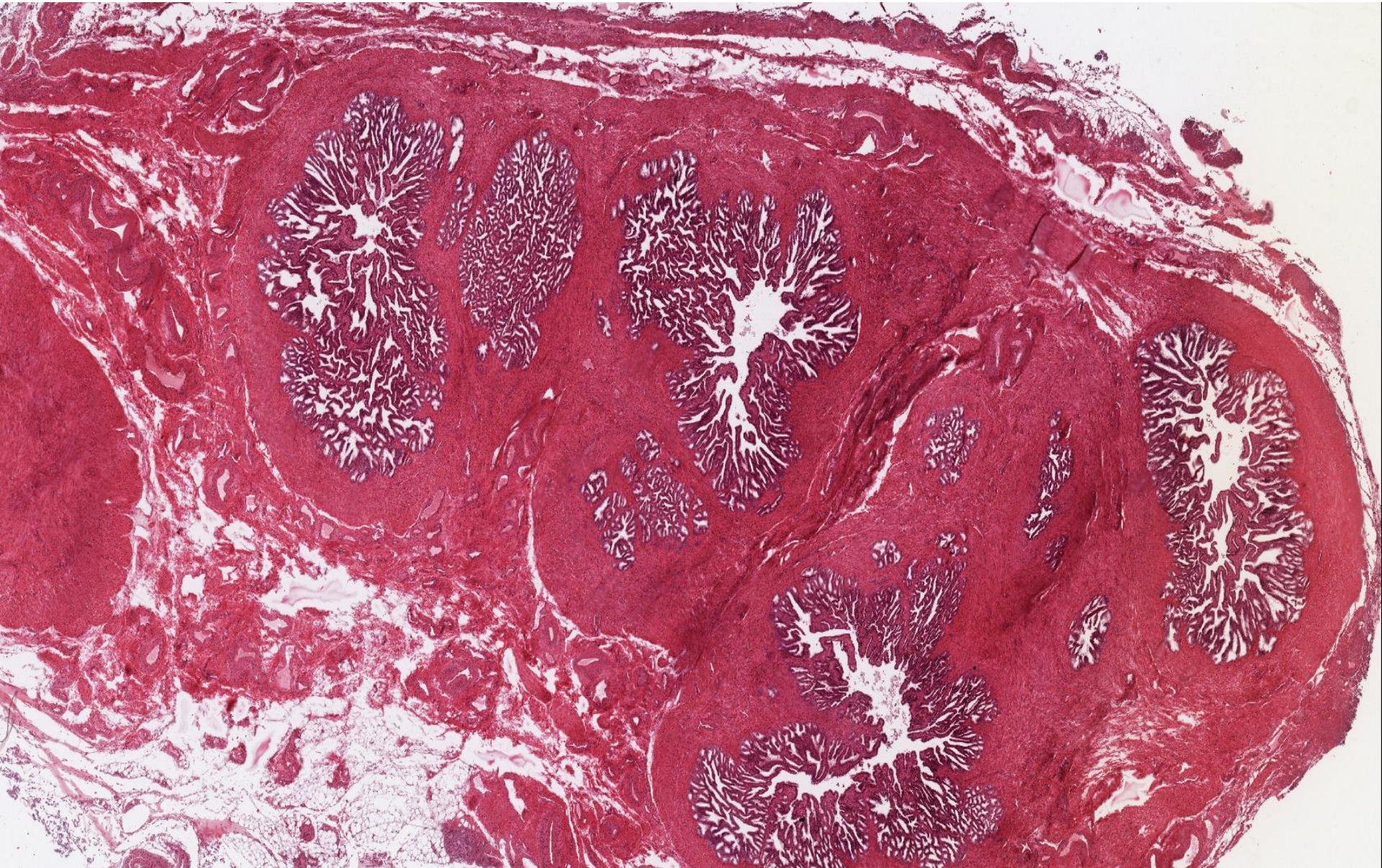


*Funiculus spermaticus (HE) – ductus deferens*



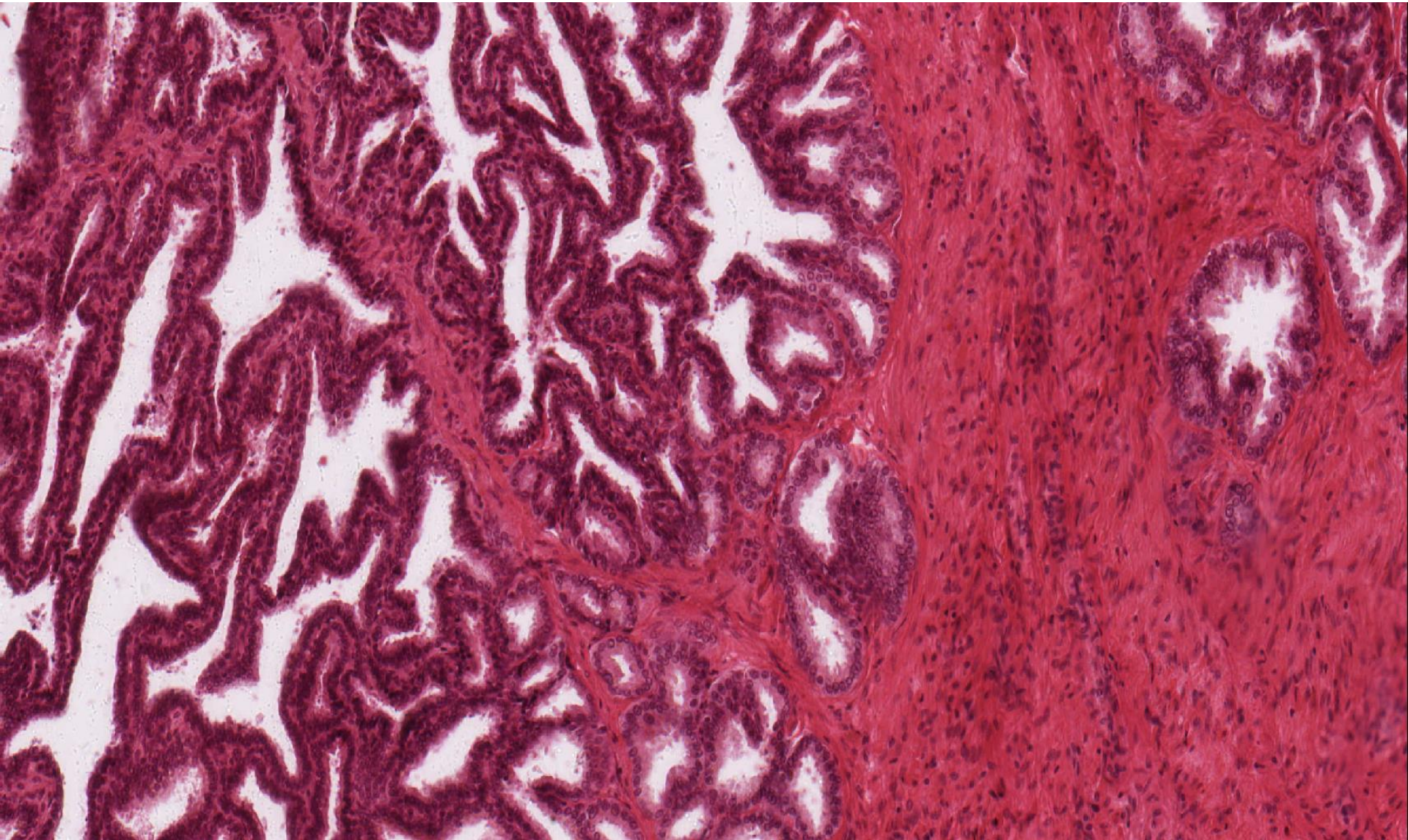


*Glandula vesiculosa* (HE)



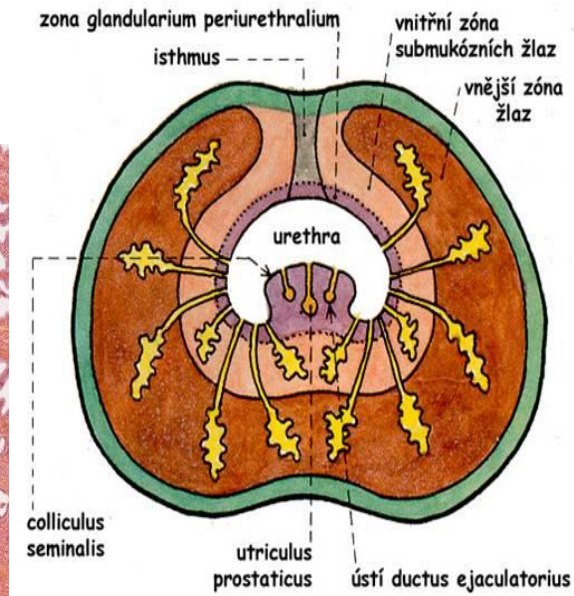
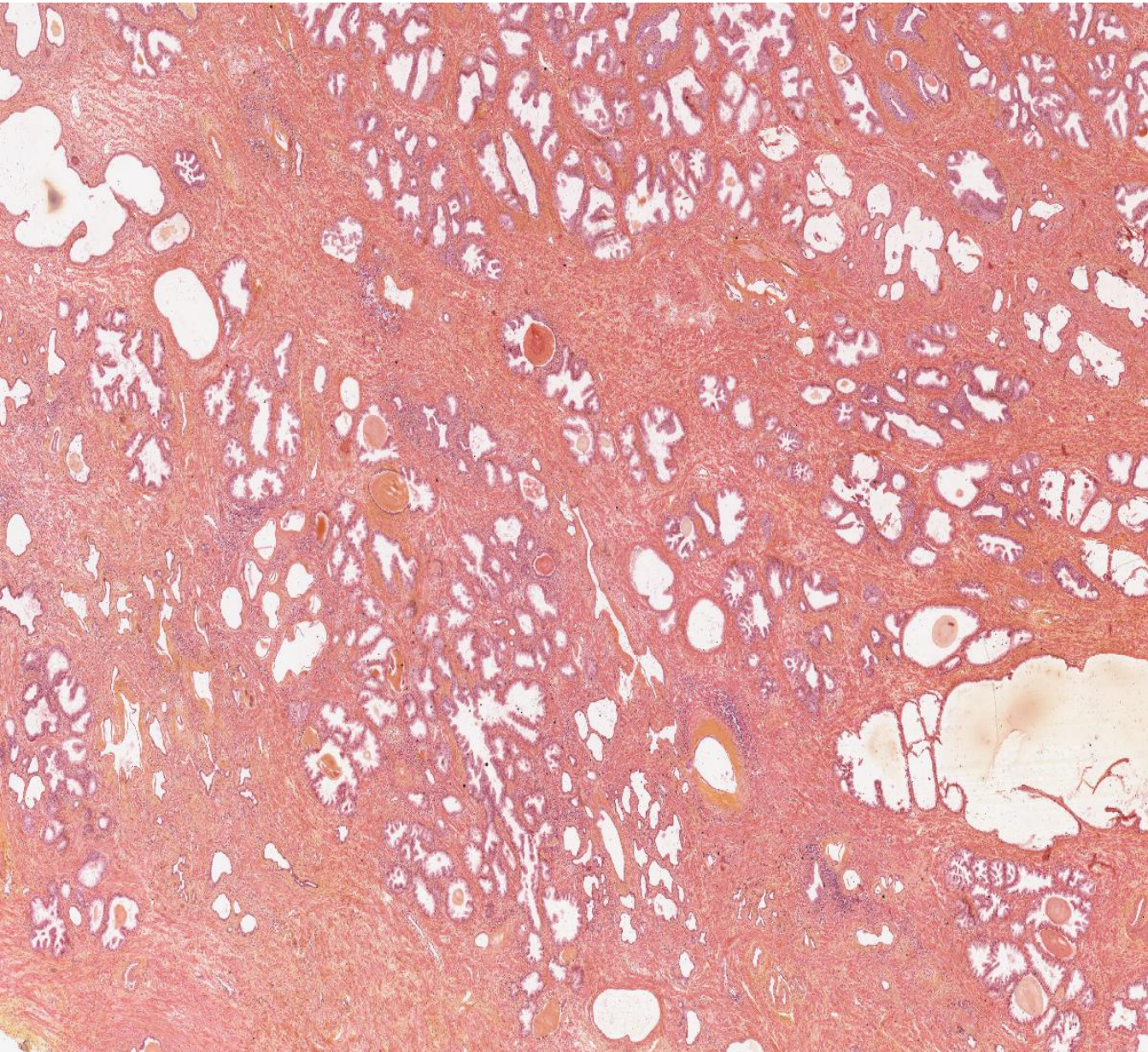


*Glandula vesiculosa* (HE)



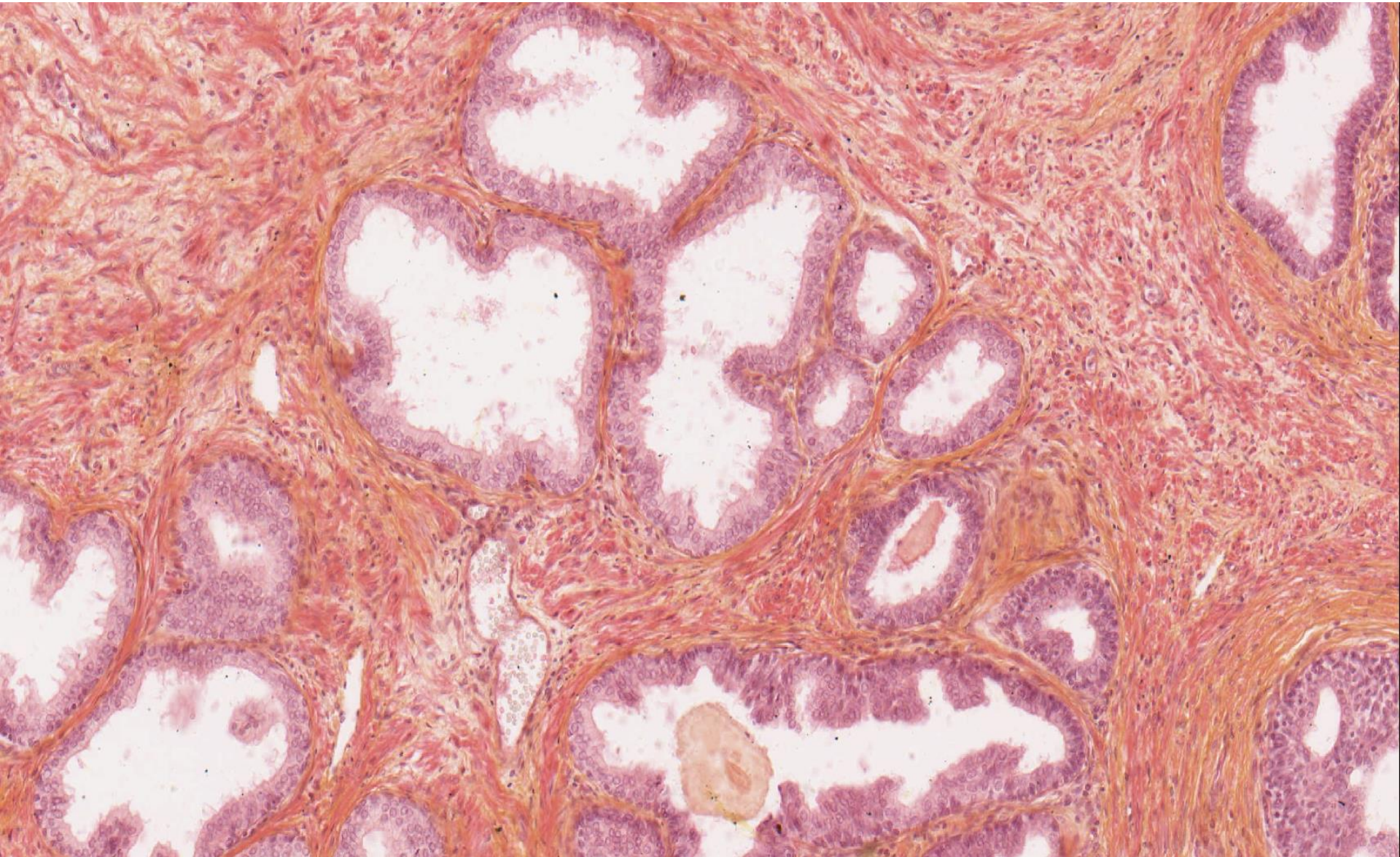


# Prostate (HES)

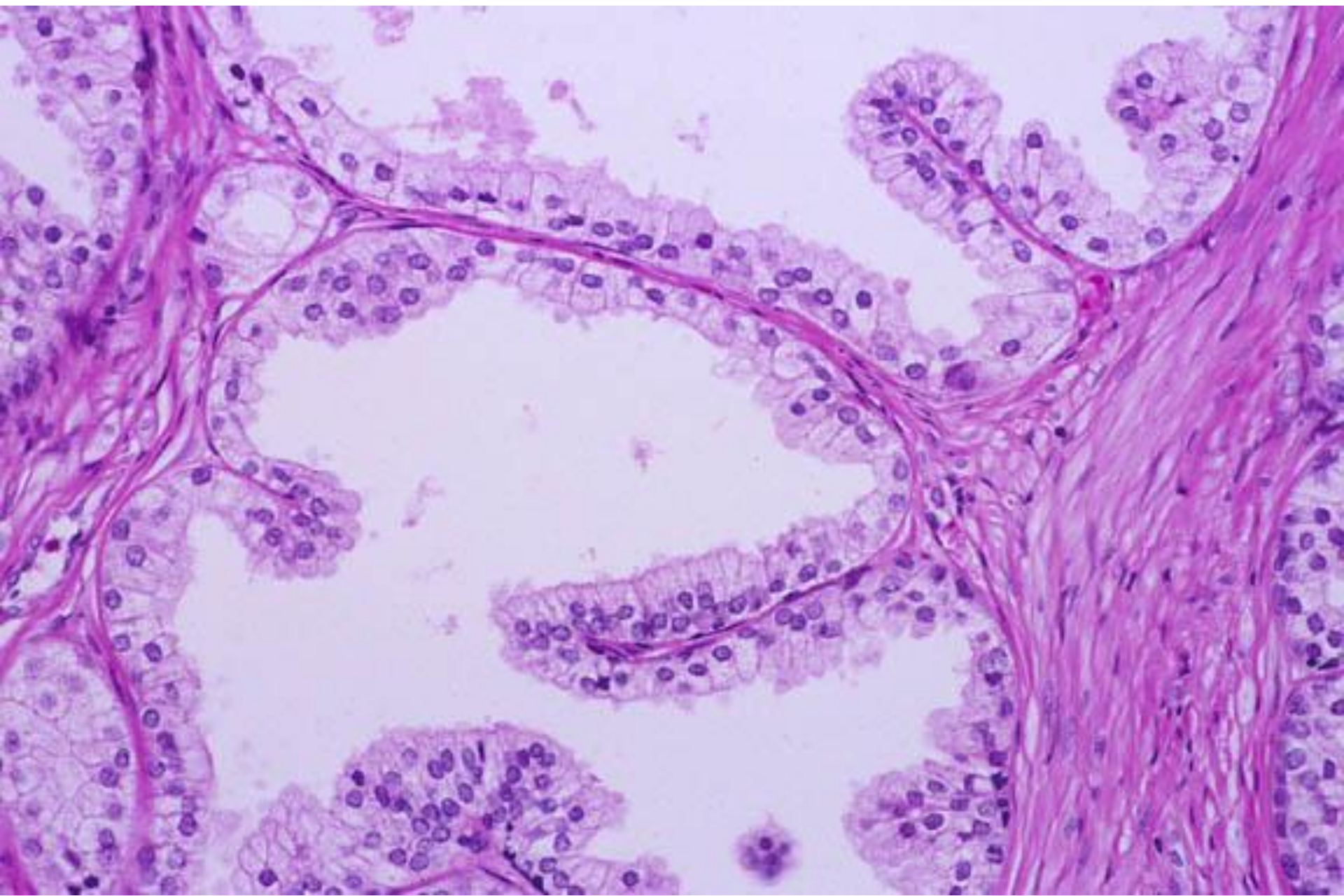




# Prostate (HES)

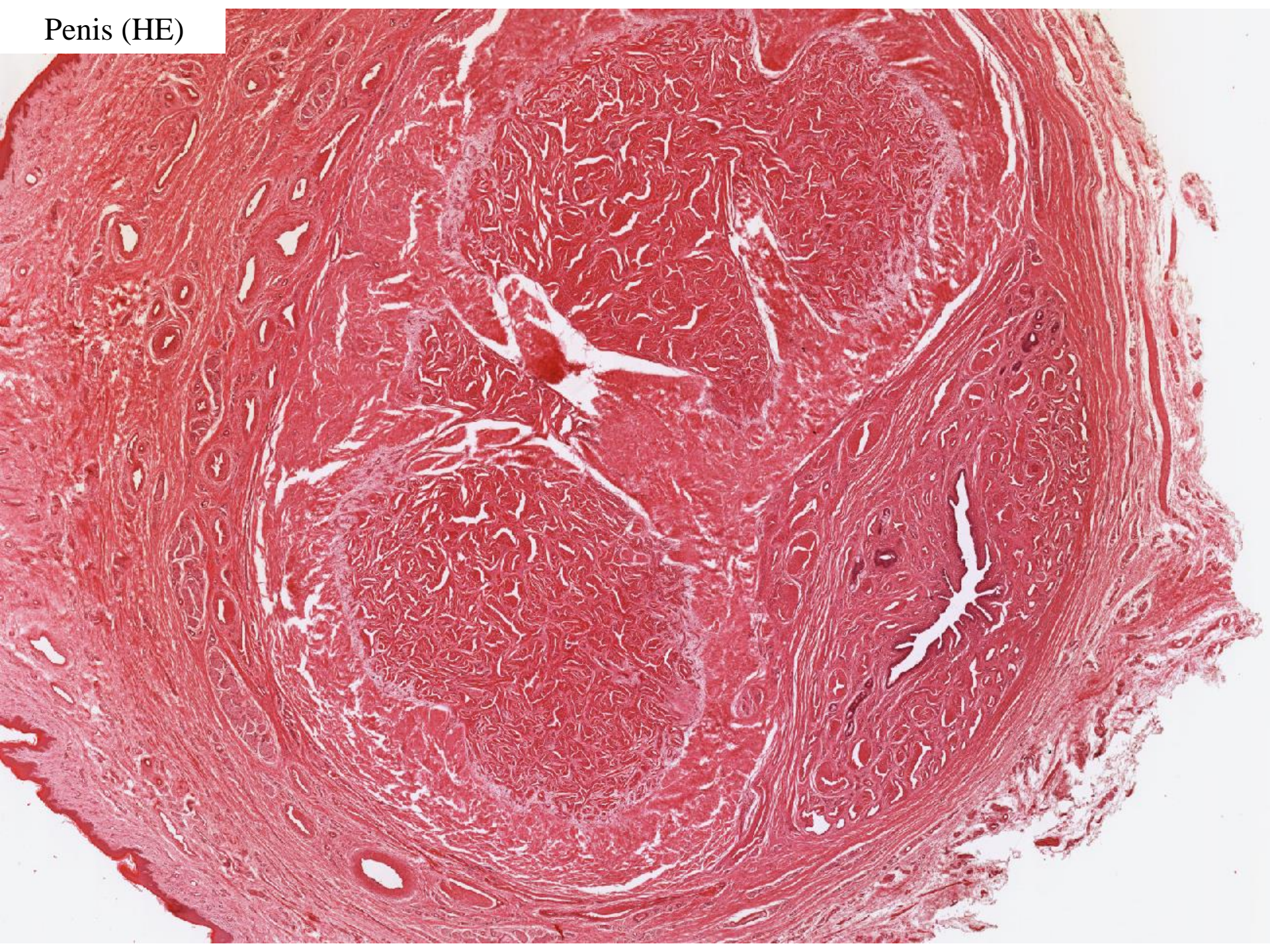






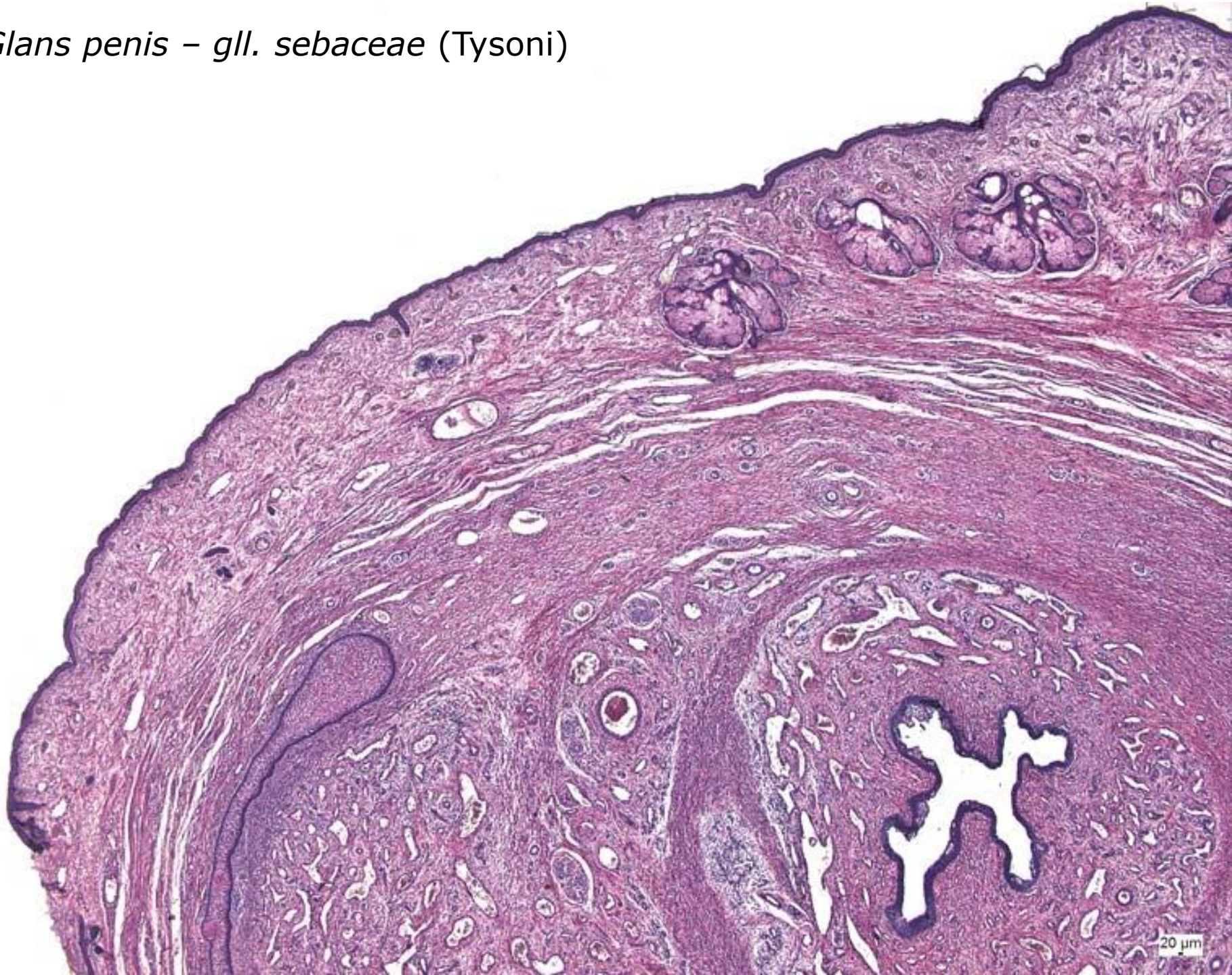


Penis (HE)



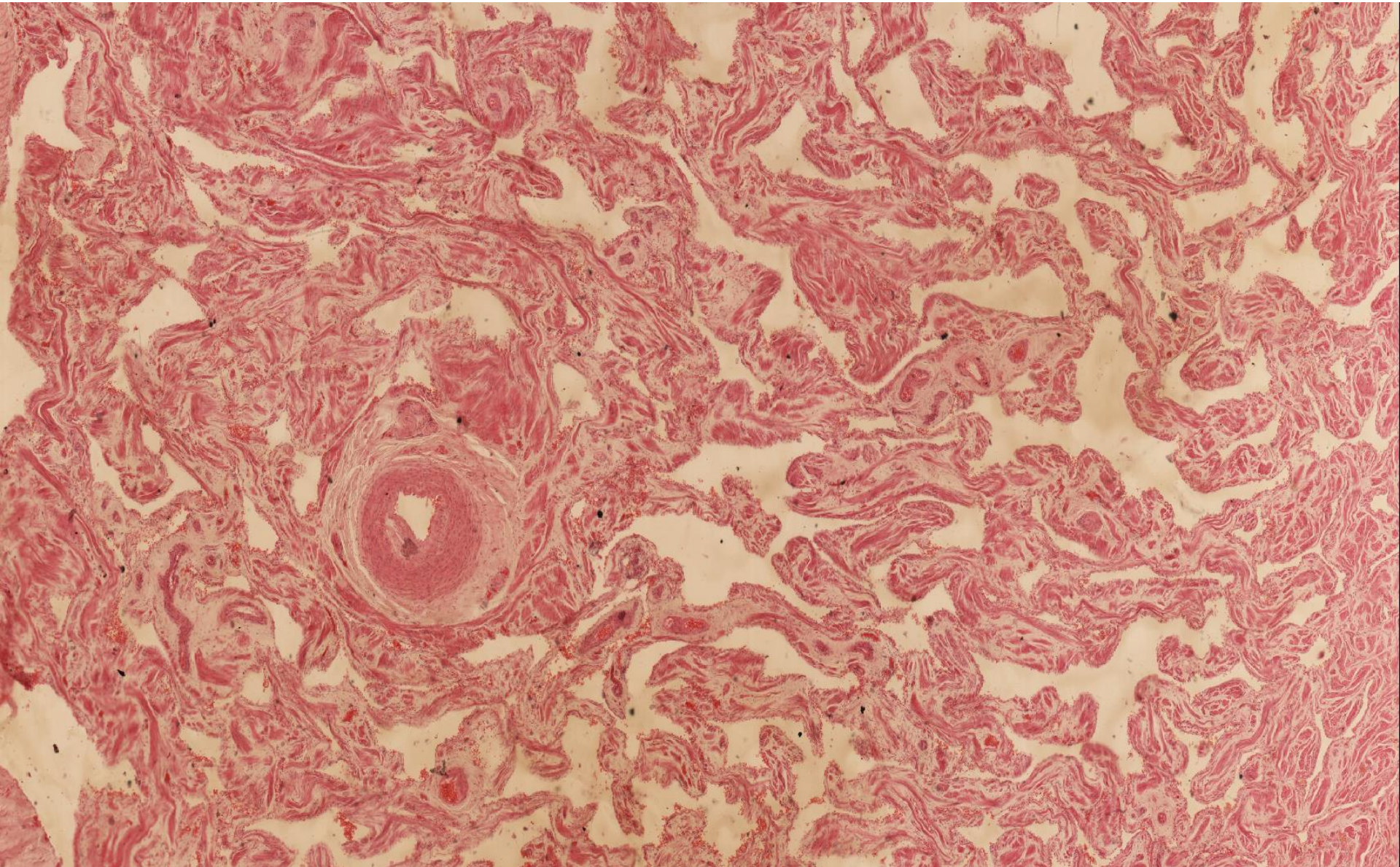


*Glans penis - gll. sebaceae (Tysoni)*





*Penis – corpus cavernosum*





# MALE REPRODUCTIVE SYSTEM

## Slides:

36. *Testis* (HE)

37. *Epididymis* (HE, HES)

38. *Funiculus spermaticus* (HE)

39. *Glandula vesiculosa* (HE)

40. Prostate (HE or AZAN)

41. Penis (HE)

## Atlas EM:

Human spermatozoon (71)

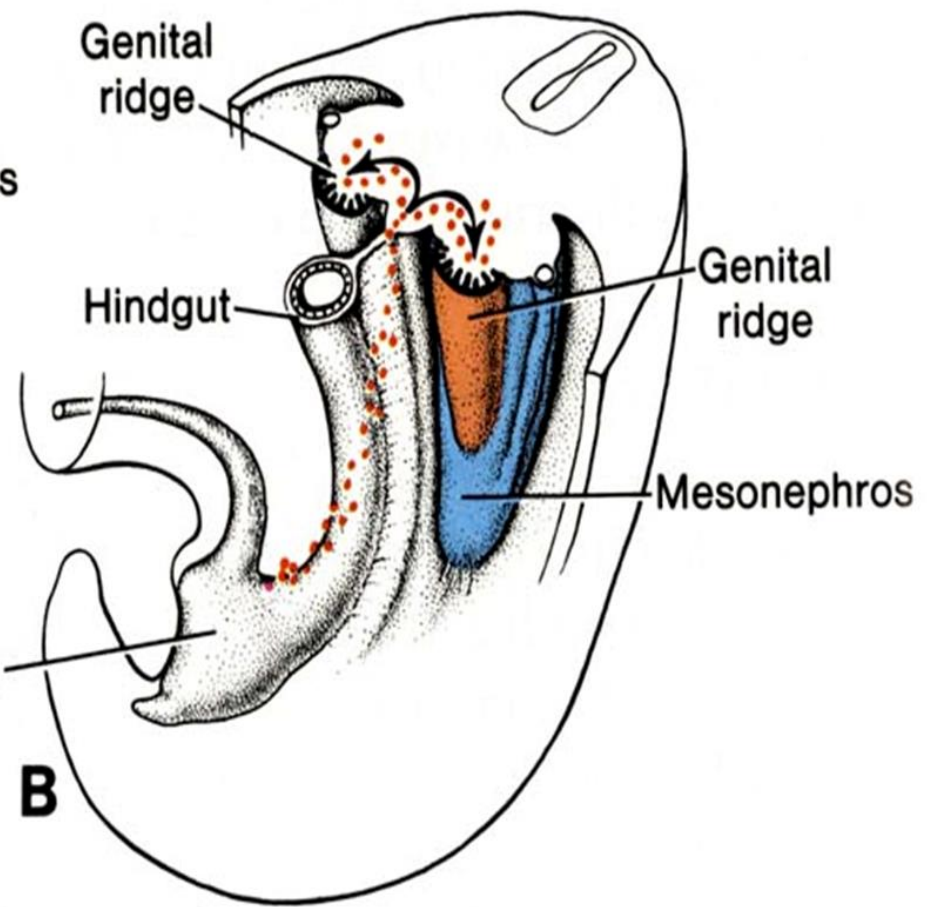
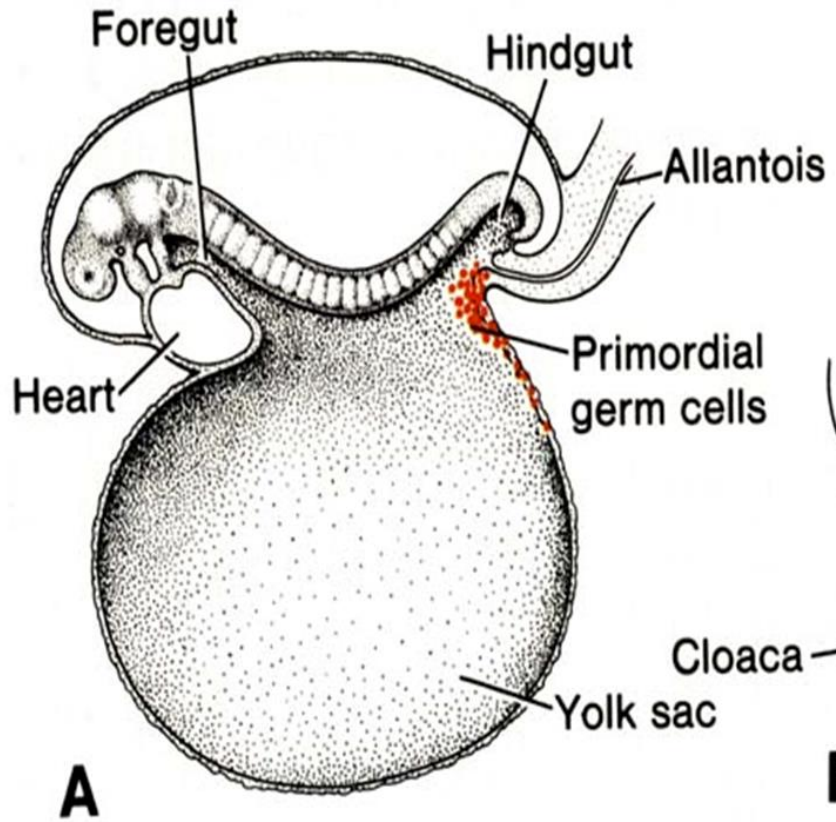
Development of gonads (95)

Development of genital passages and external genitalia (96)

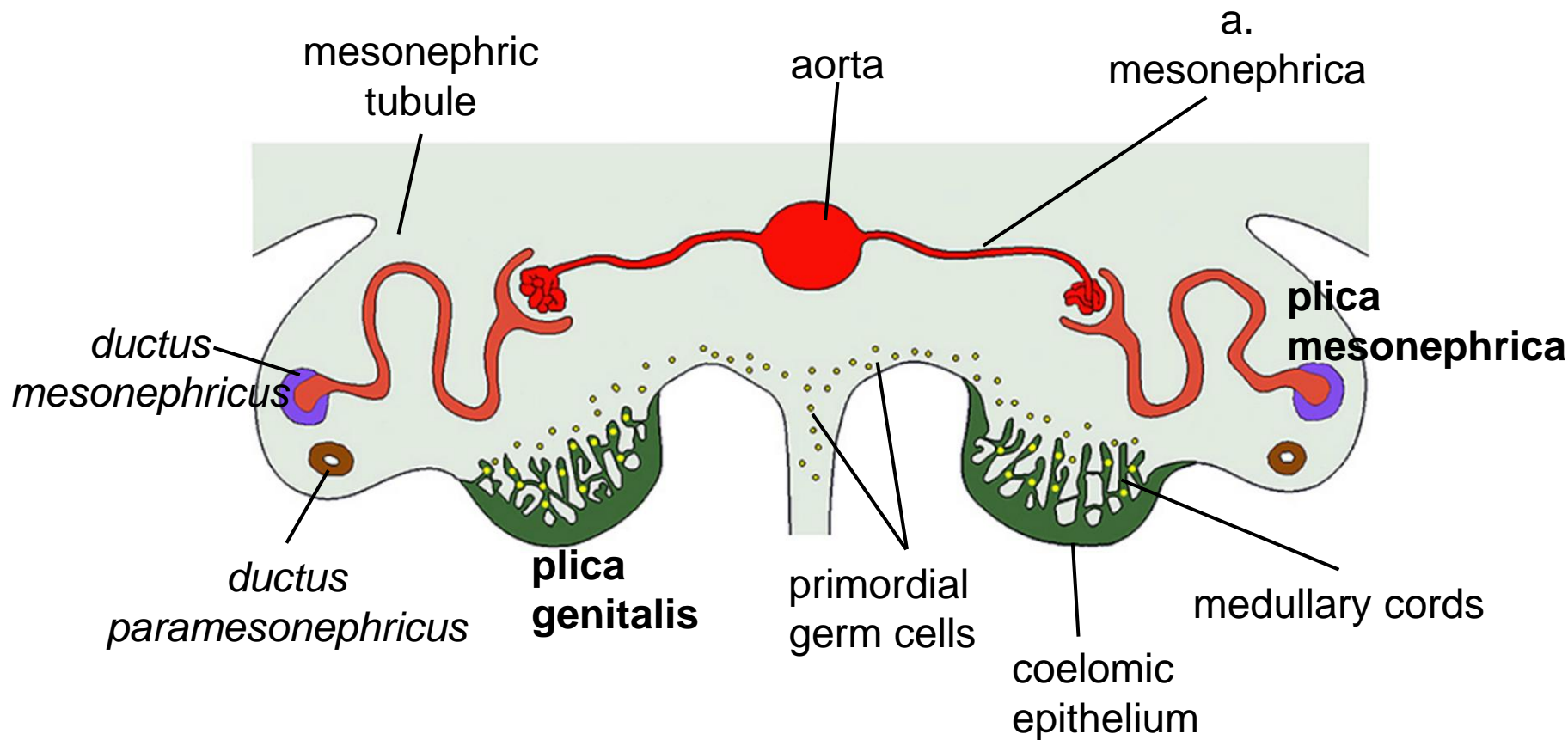


**week 4**

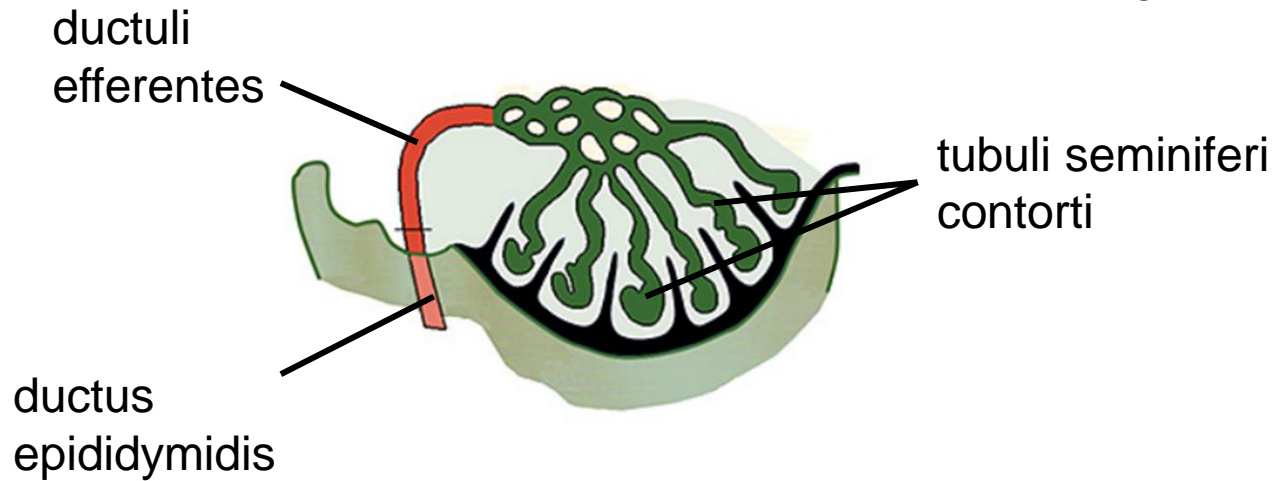
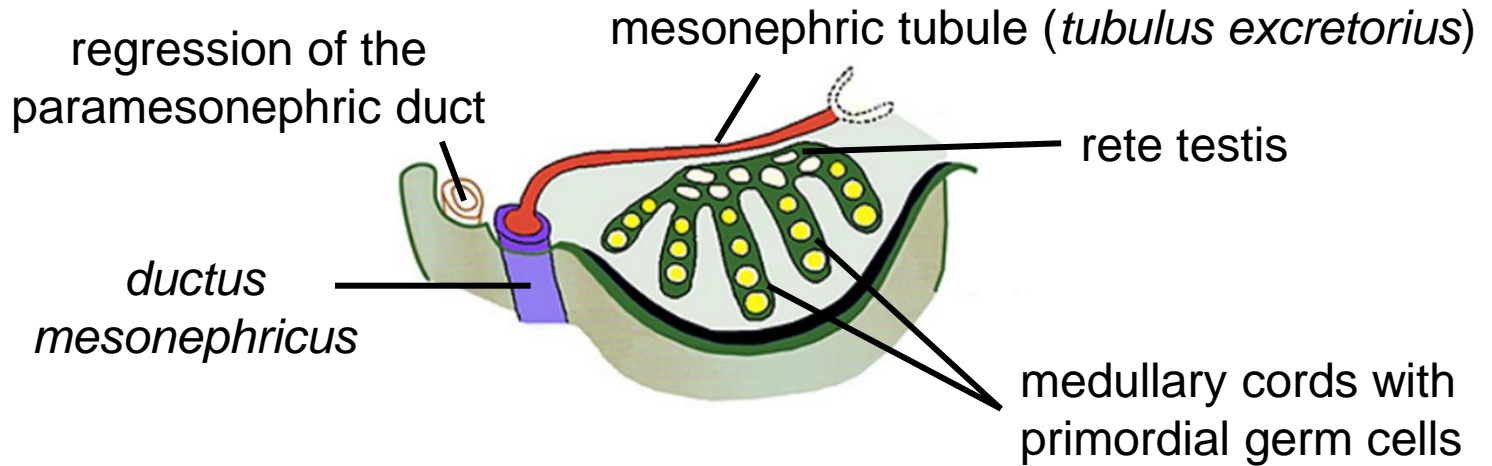
**week 5-6**



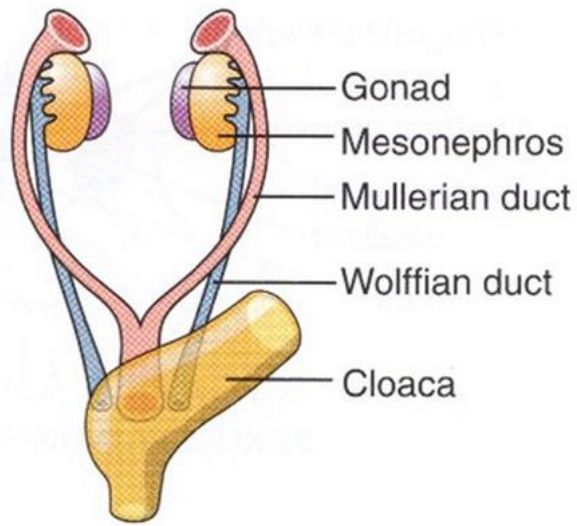






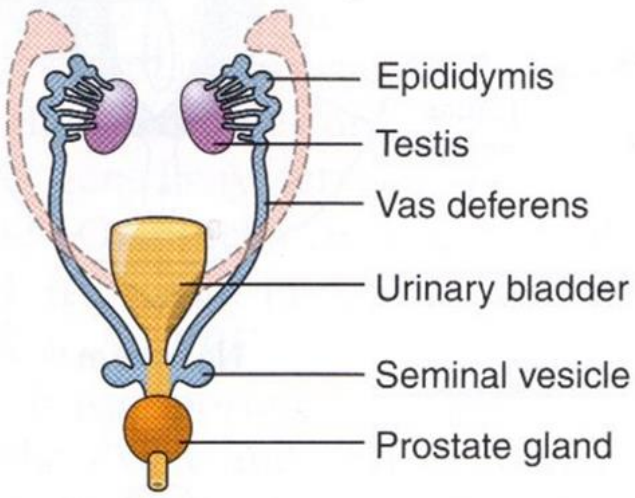






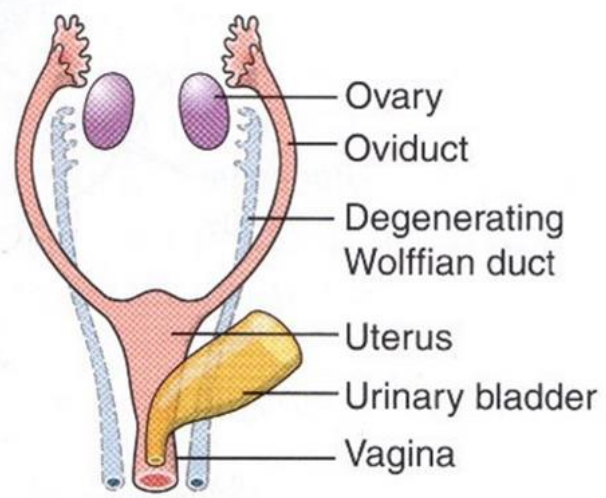
- Gonad
- Mesonephros
- Mullerian duct
- Wolffian duct
- Cloaca

INDIFFERENT STAGE



- Epididymis
- Testis
- Vas deferens
- Urinary bladder
- Seminal vesicle
- Prostate gland

MALE

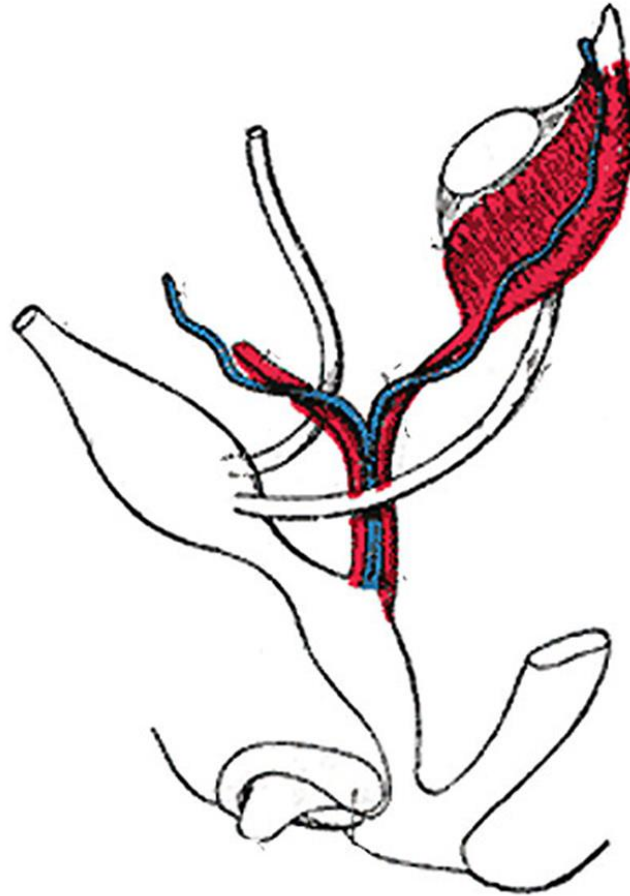


- Ovary
- Oviduct
- Degenerating Wolffian duct
- Uterus
- Urinary bladder
- Vagina

FEMALE



## Indifferent stage



**mesonephros +  
mesonephric  
duct**

**paramesonephric  
duct**



## Differentiation – male reproductive system

