

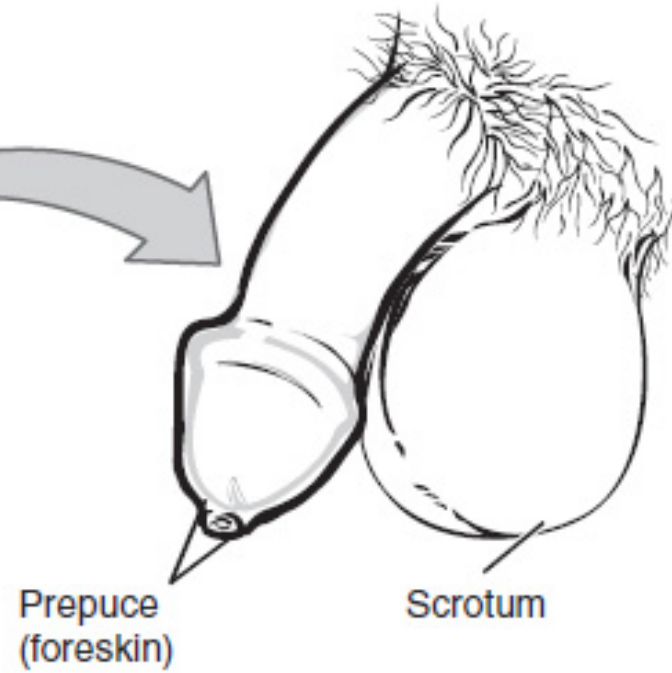


MALE REPRODUCTIVE ANATOMY AND HISTOLOGY

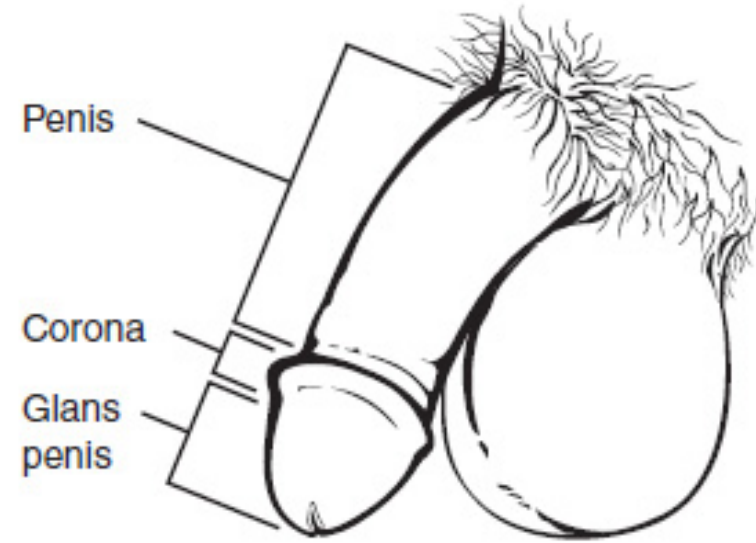
Gabrielle Perry
Pathologists' Assistant Program
Tulane School of Medicine

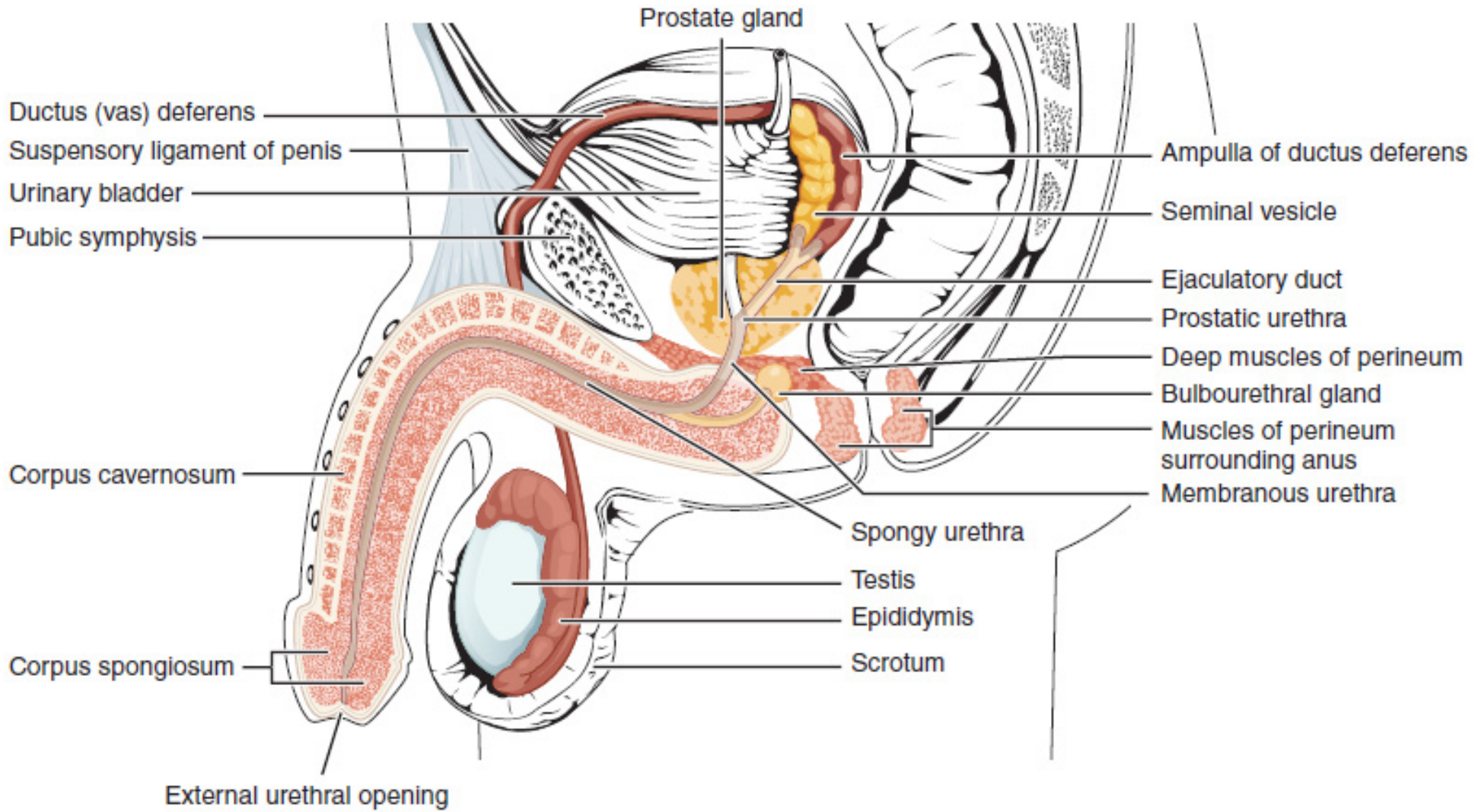


(a) Uncircumcised penis

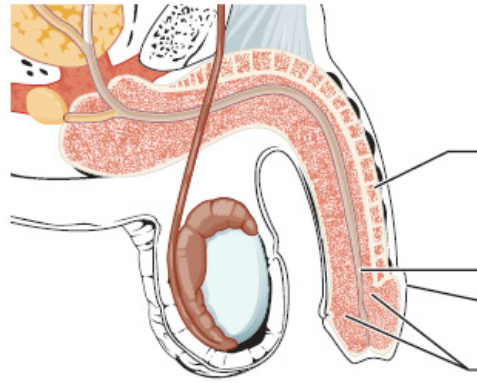


(b) Circumcised penis

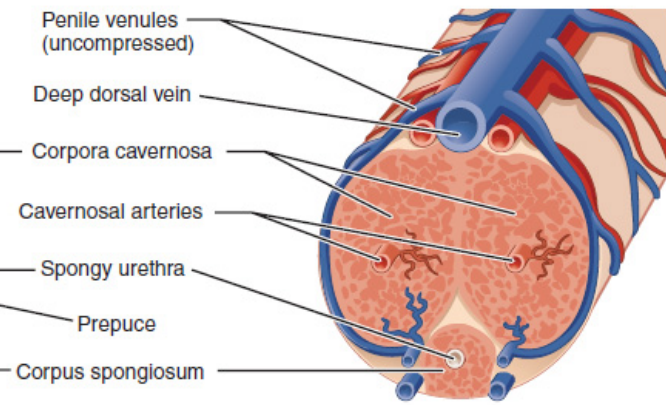




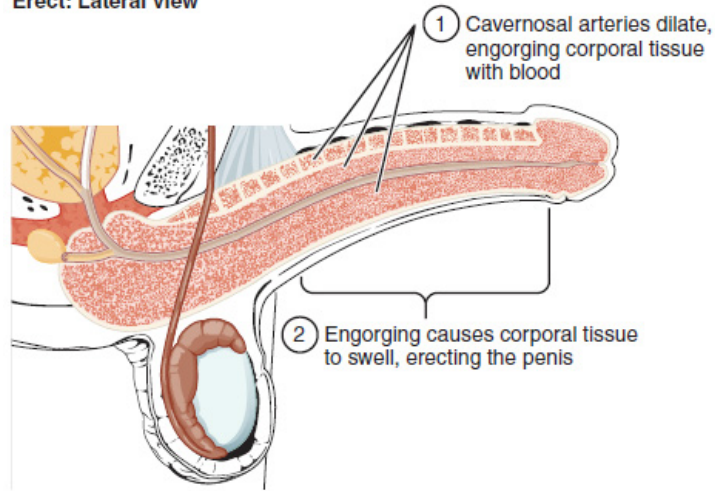
Flaccid: Lateral view



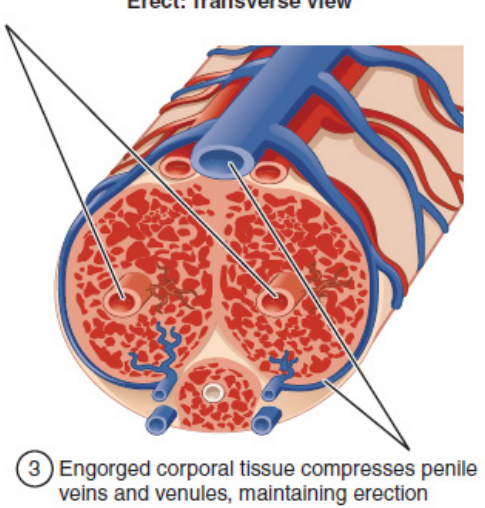
Flaccid: Transverse view

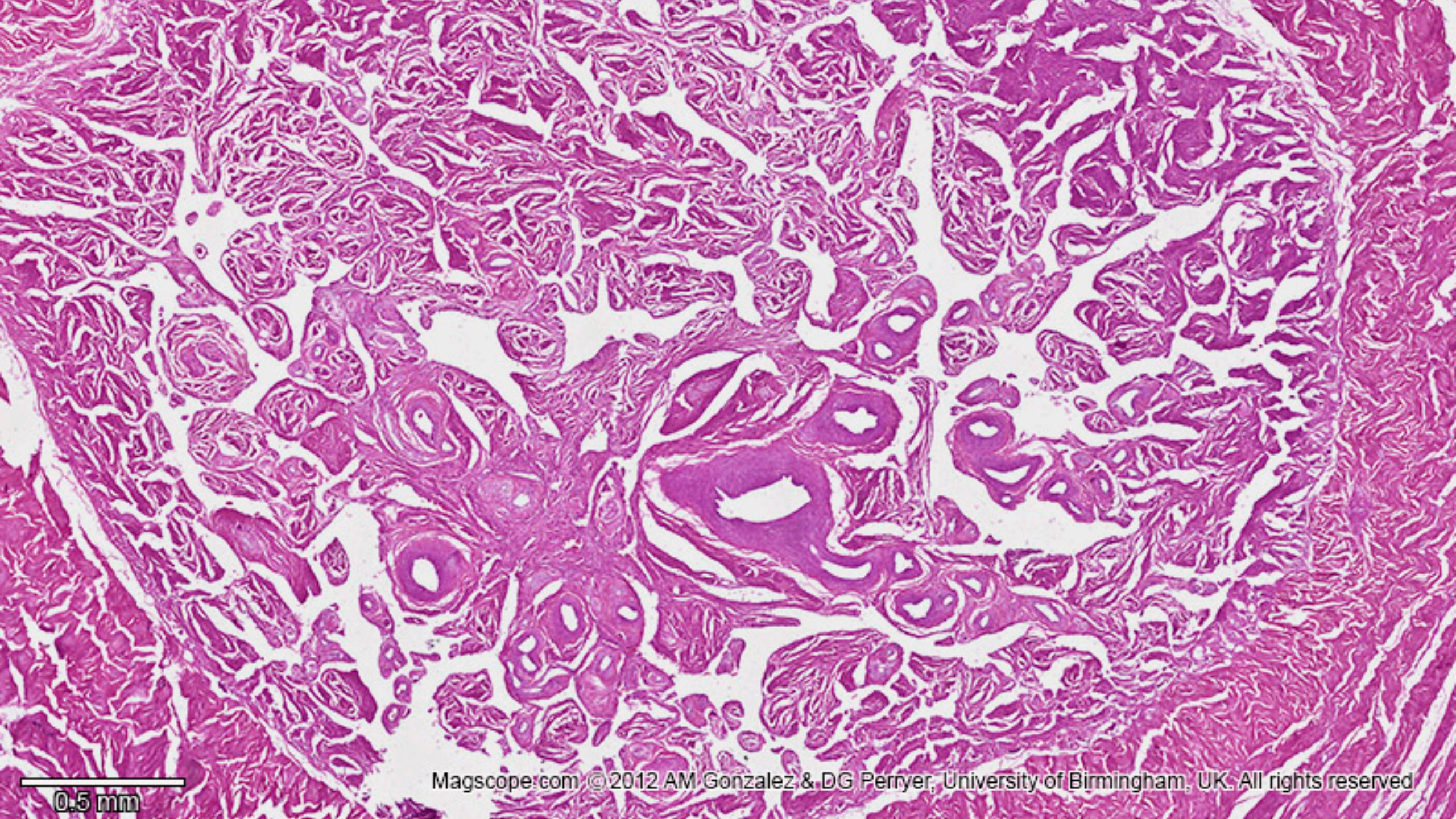


Erect: Lateral view

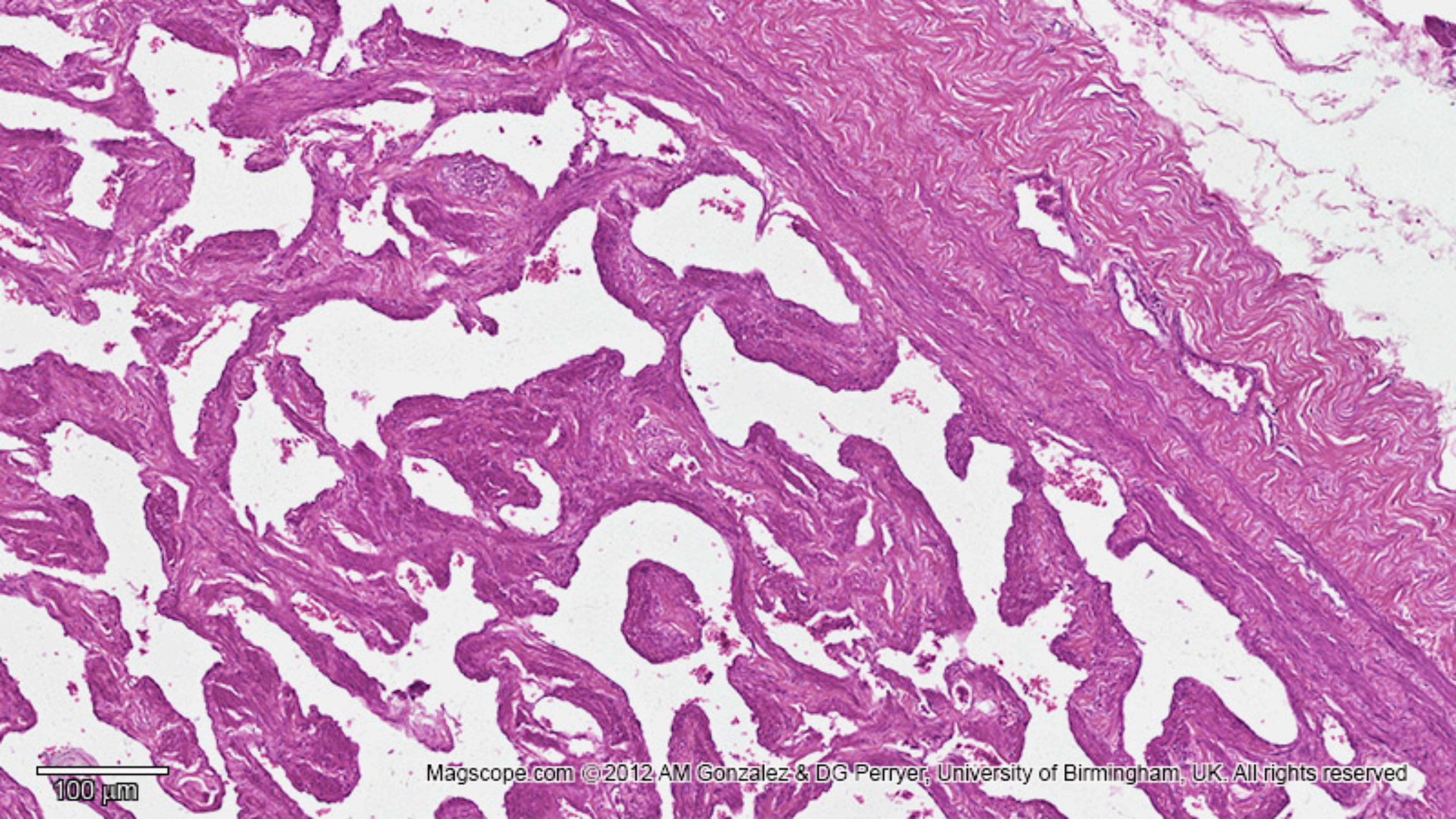


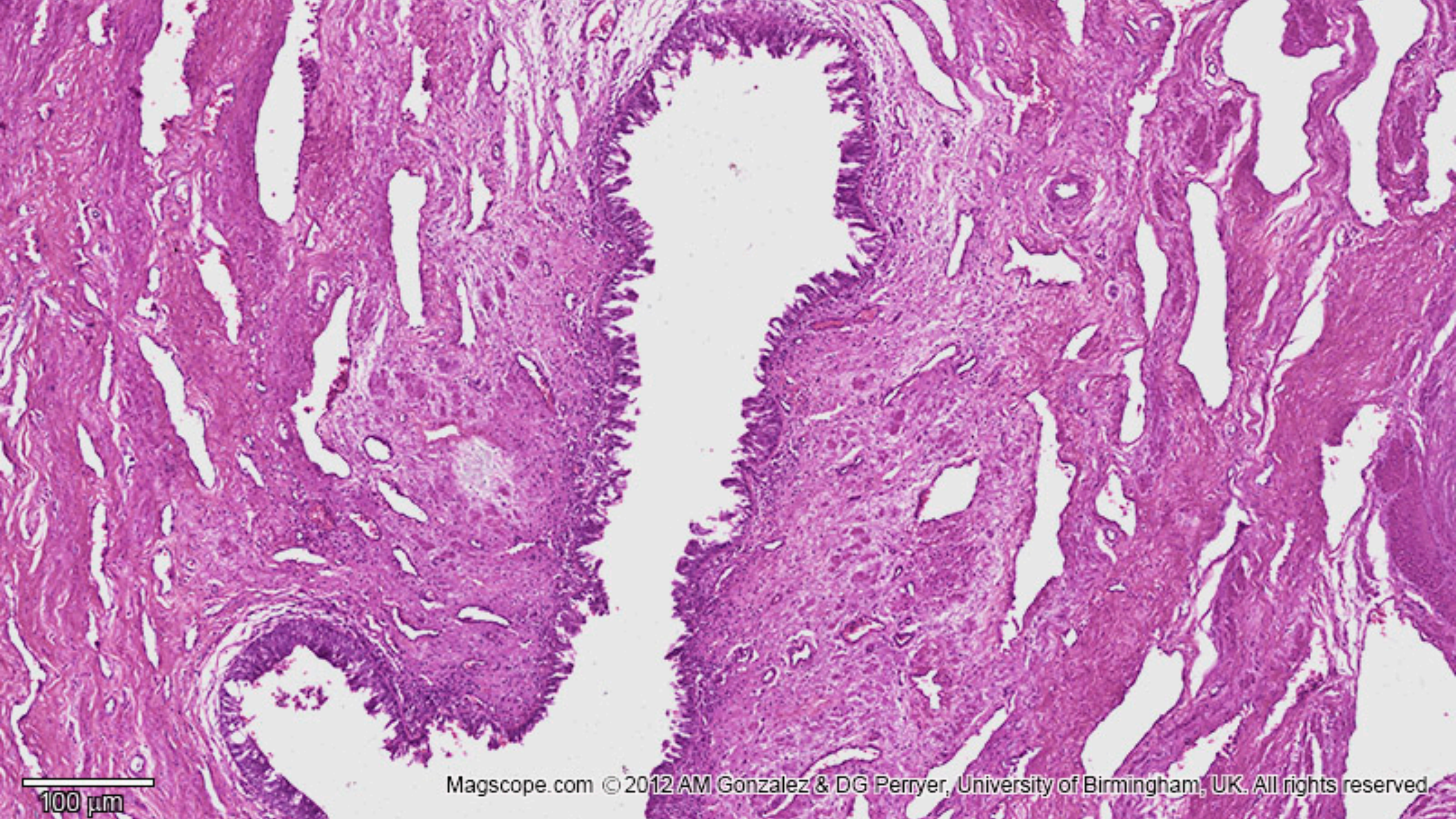
Erect: Transverse view





0.5 mm





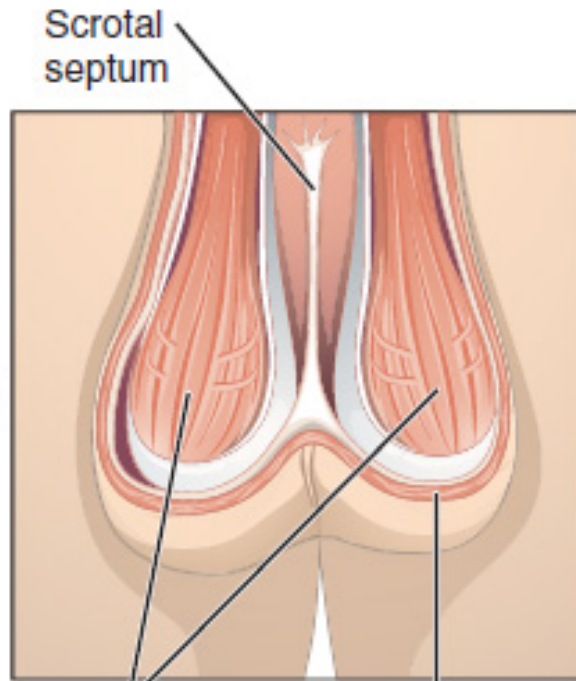
100 μ m

External view of scrotum



Raphe

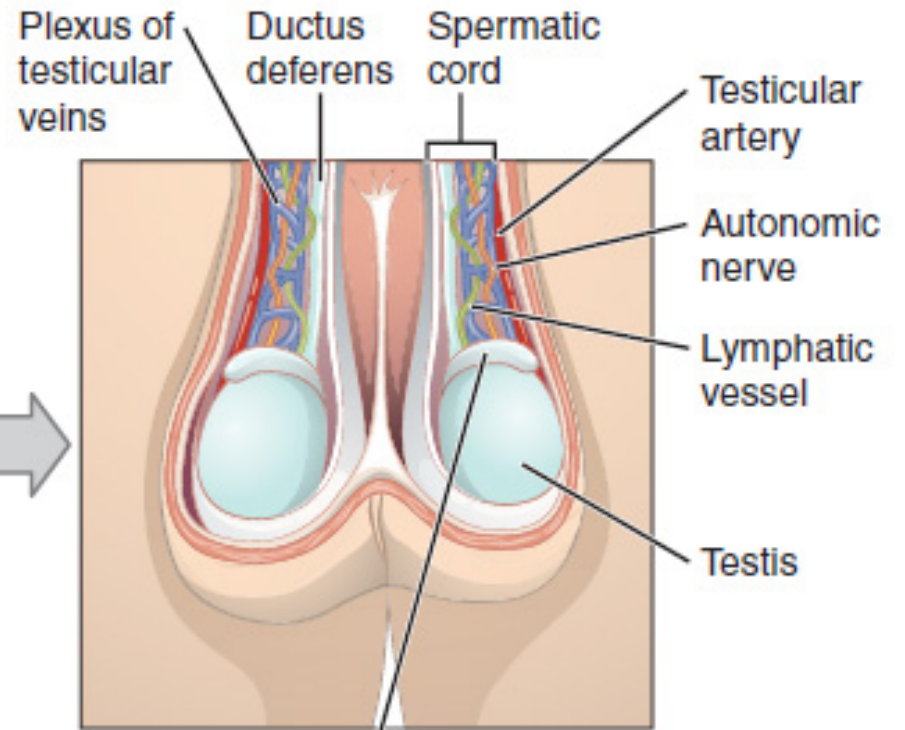
Muscle layer



Cremaster muscles

Dartos muscles

Deep tissues



Plexus of testicular veins

Ductus deferens

Spermatic cord

Testicular artery

Autonomic nerve

Lymphatic vessel

Testis

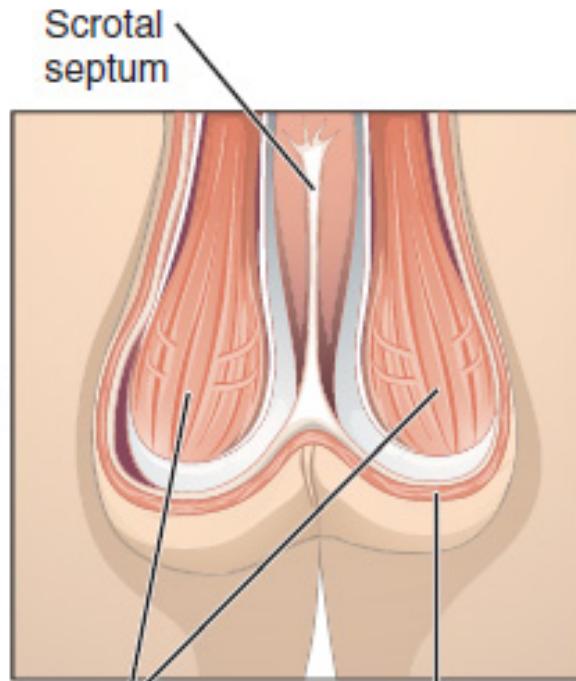
Epididymis

External view of scrotum



Raphe

Muscle layer

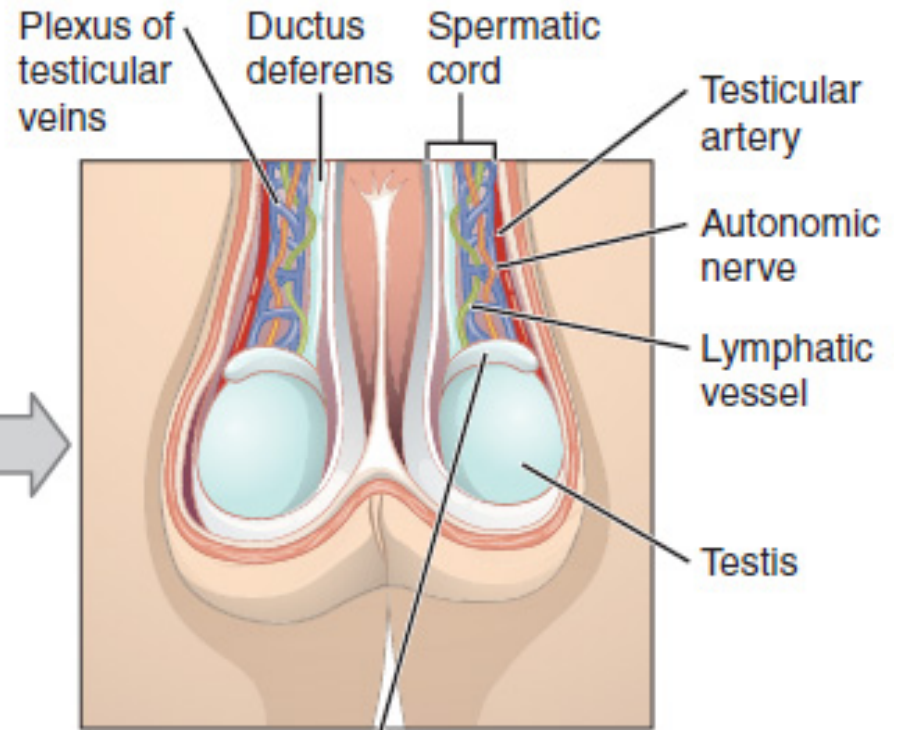


Scrotal septum

Cremaster muscles

Dartos muscles

Deep tissues



Plexus of testicular veins

Ductus deferens

Spermatic cord

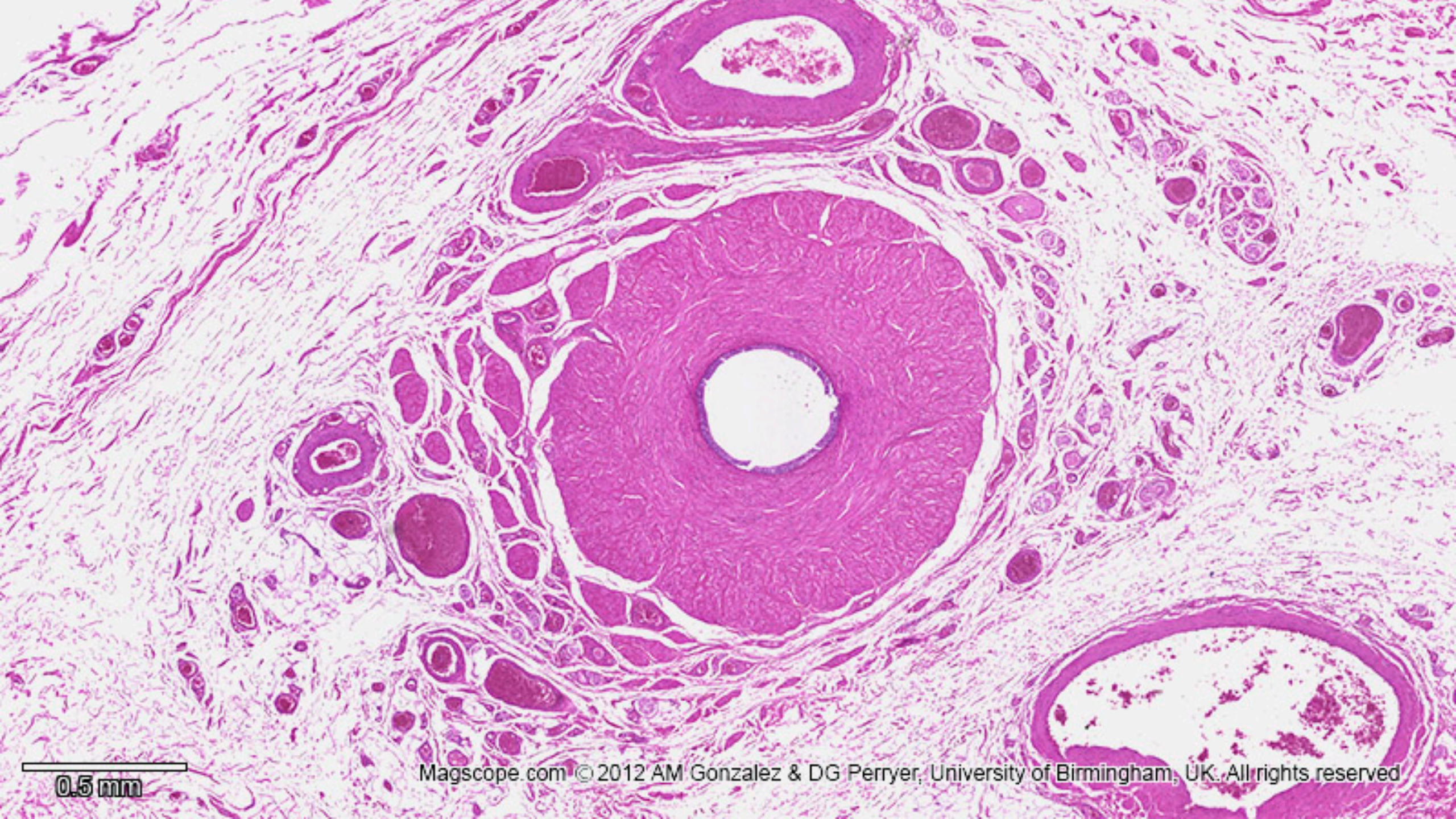
Testicular artery

Autonomic nerve

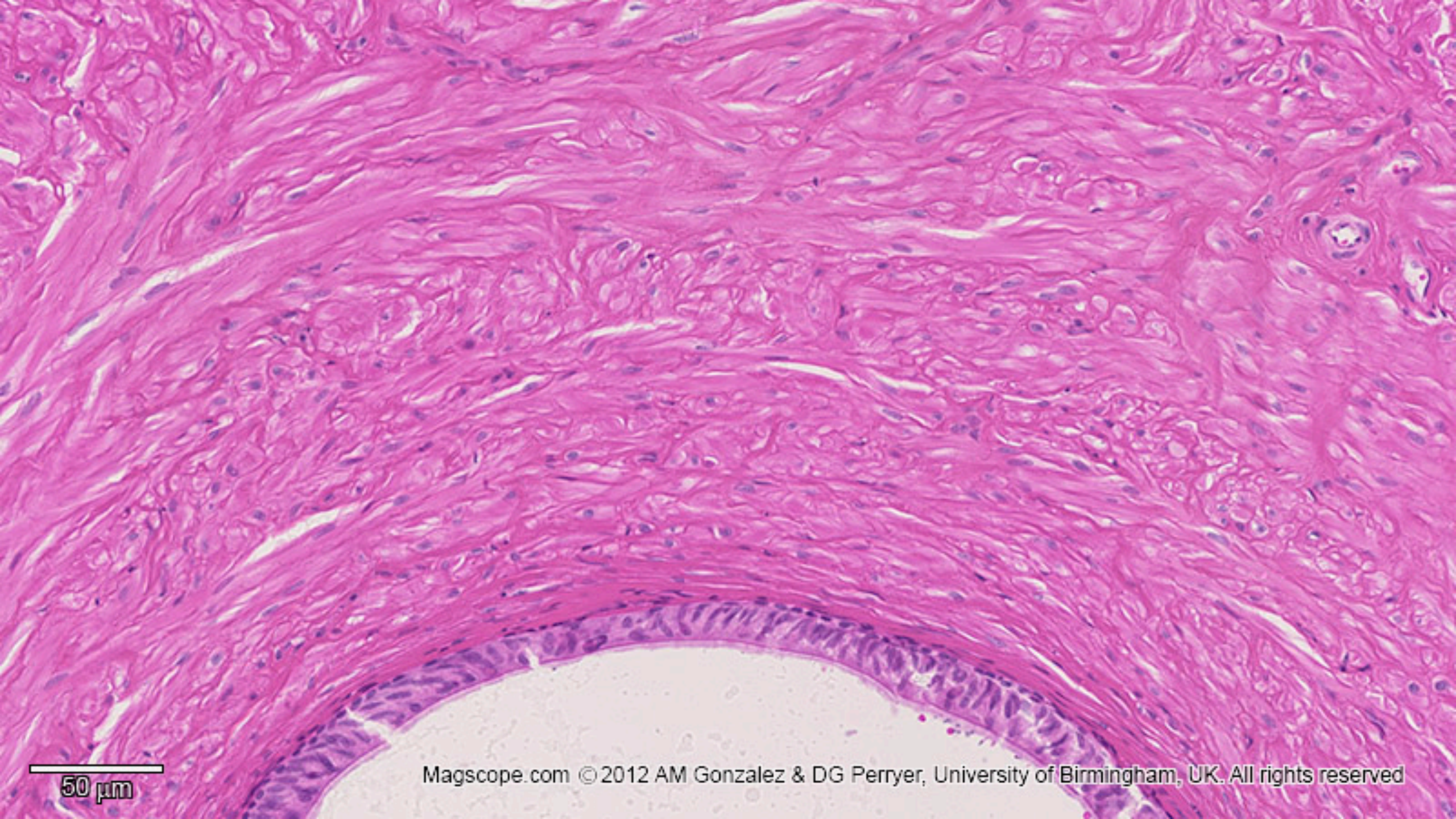
Lymphatic vessel

Testis

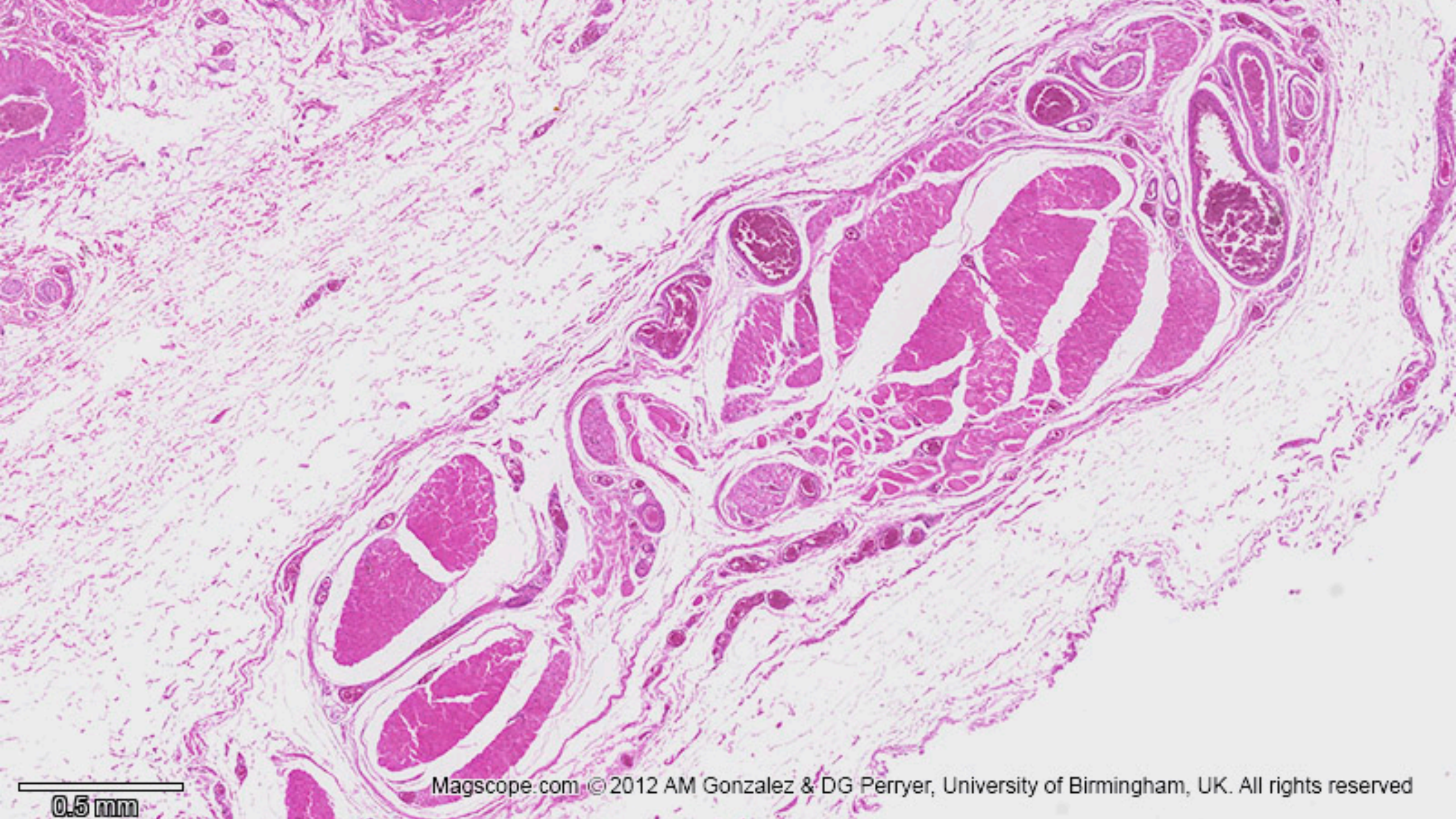
Epididymis

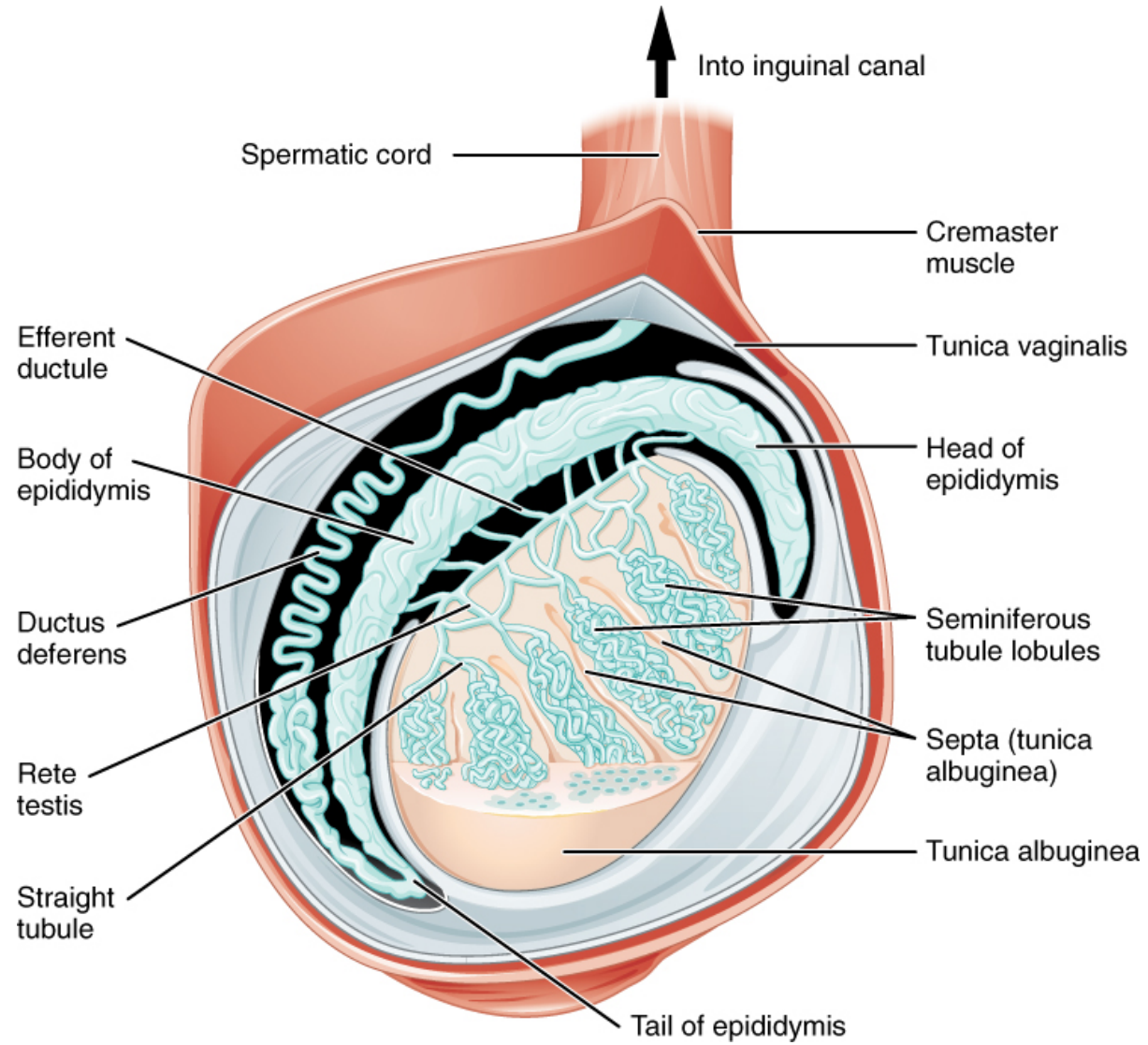


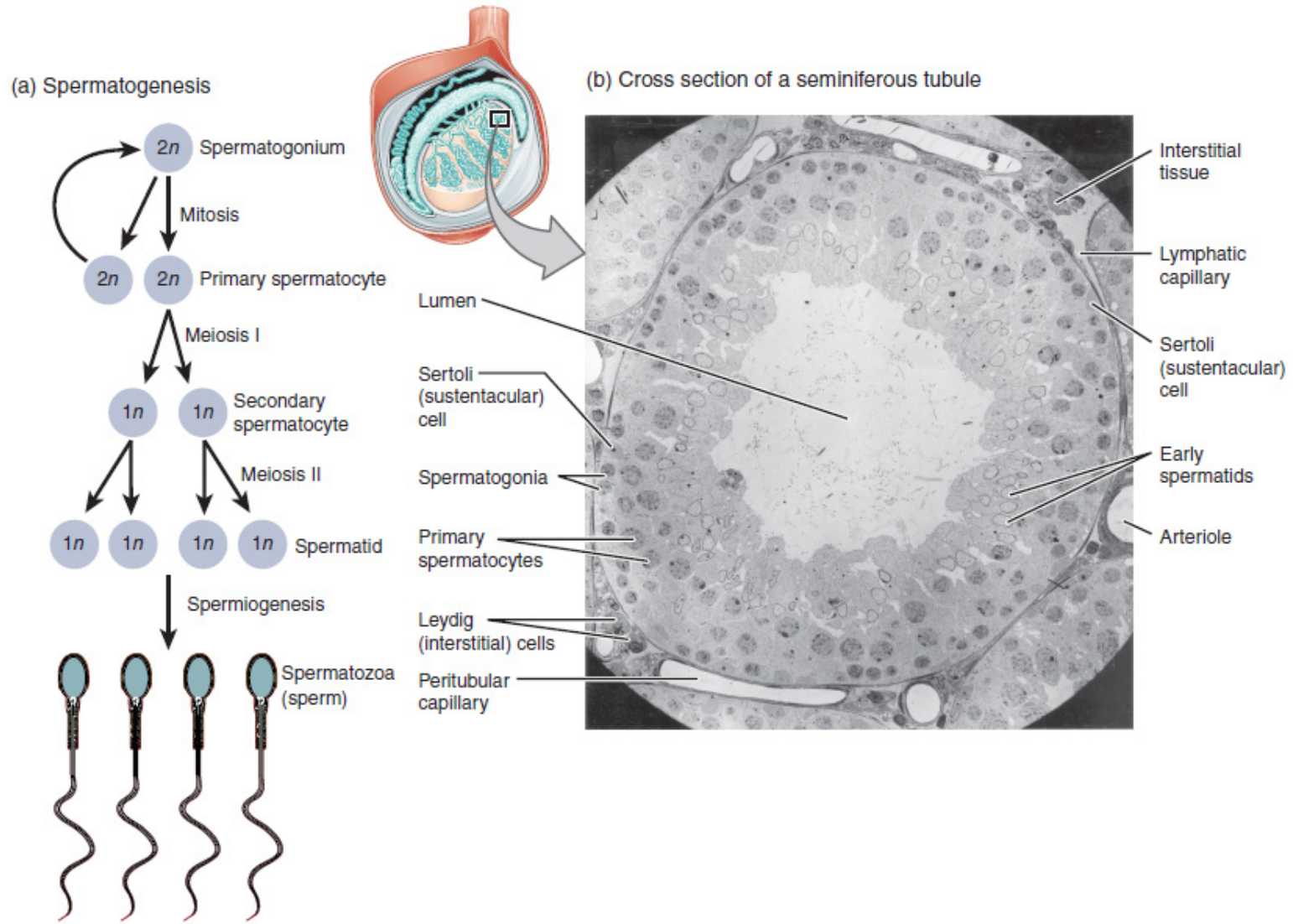
0.5 mm

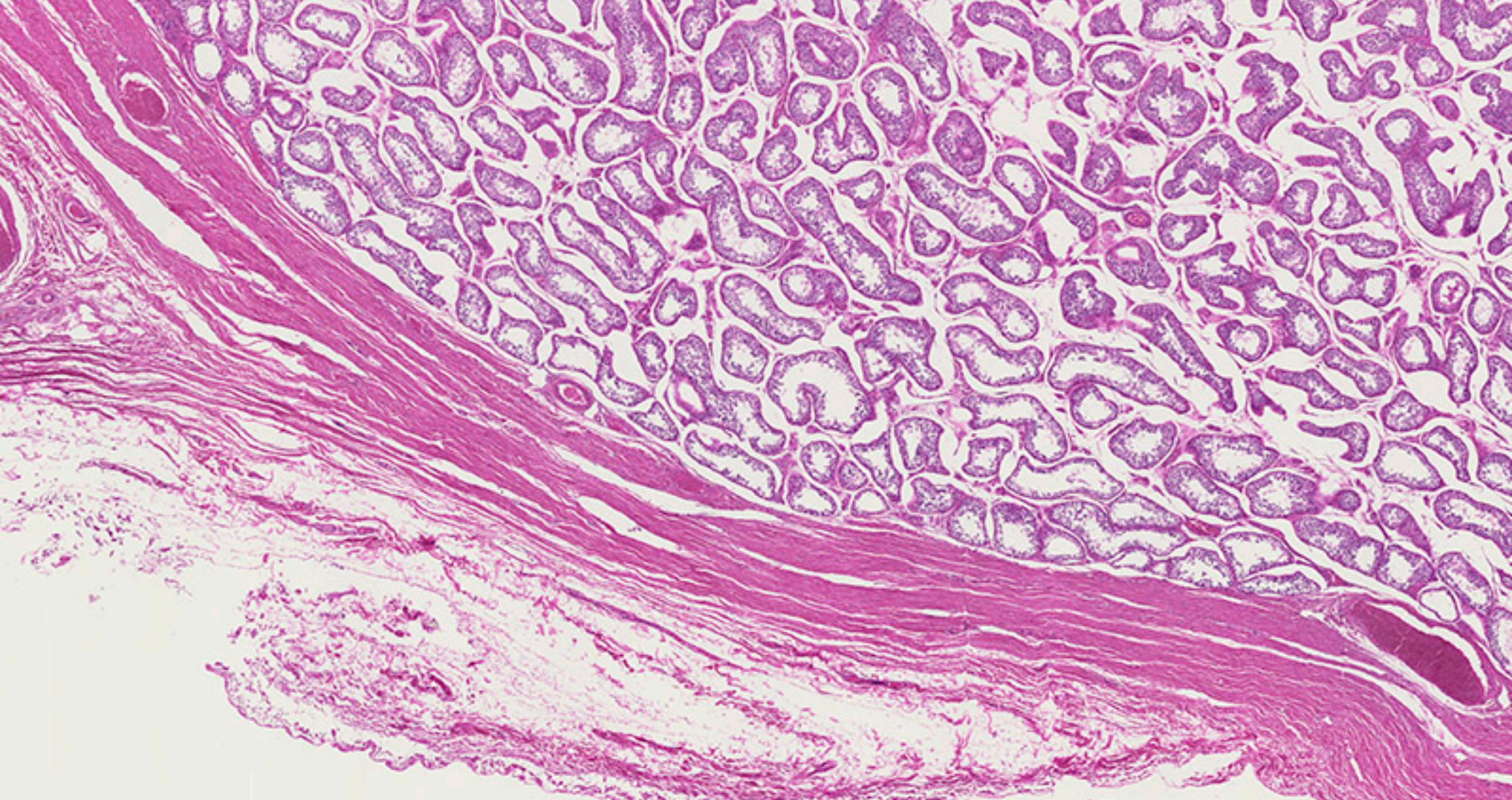


50 μm

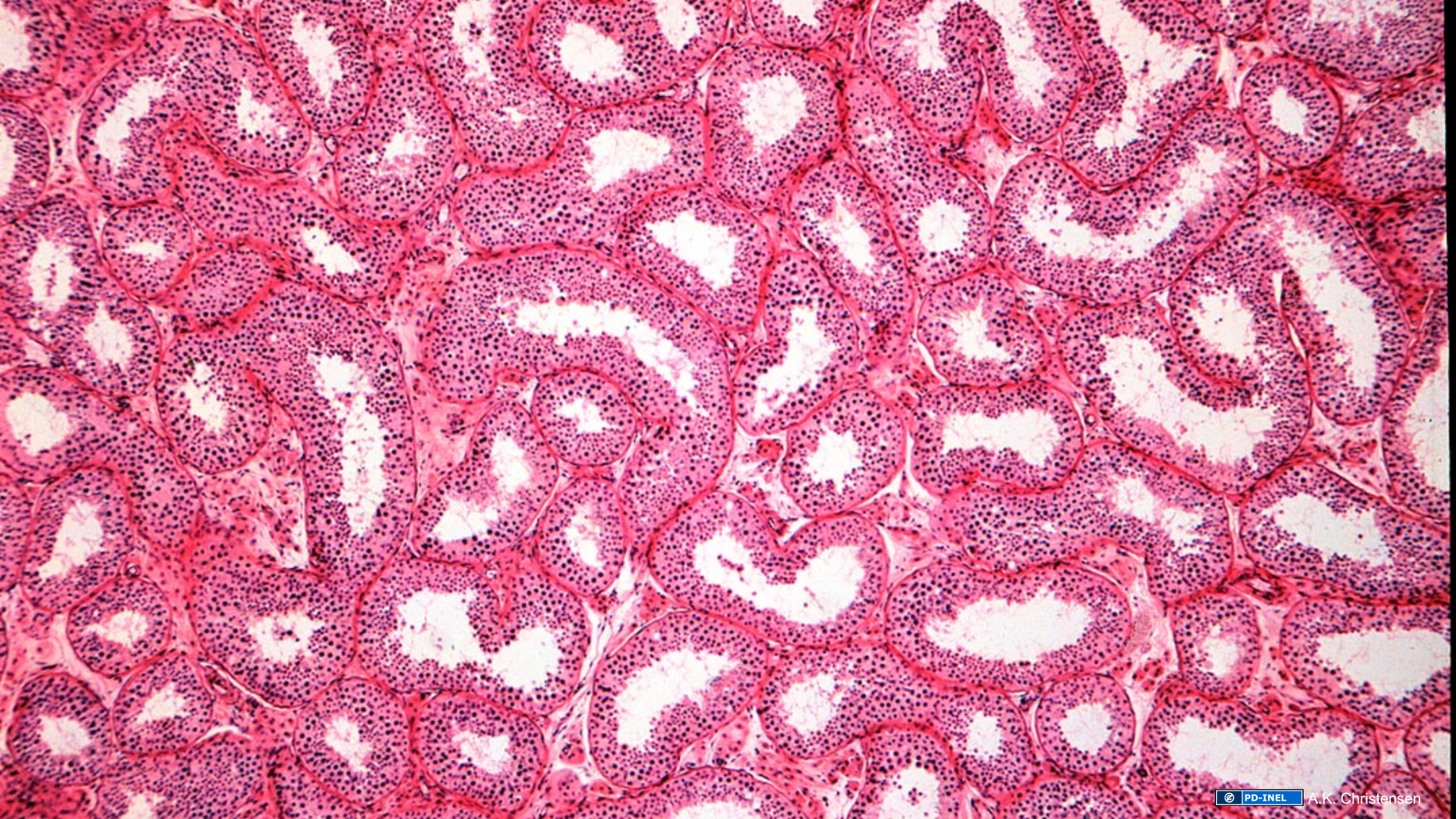


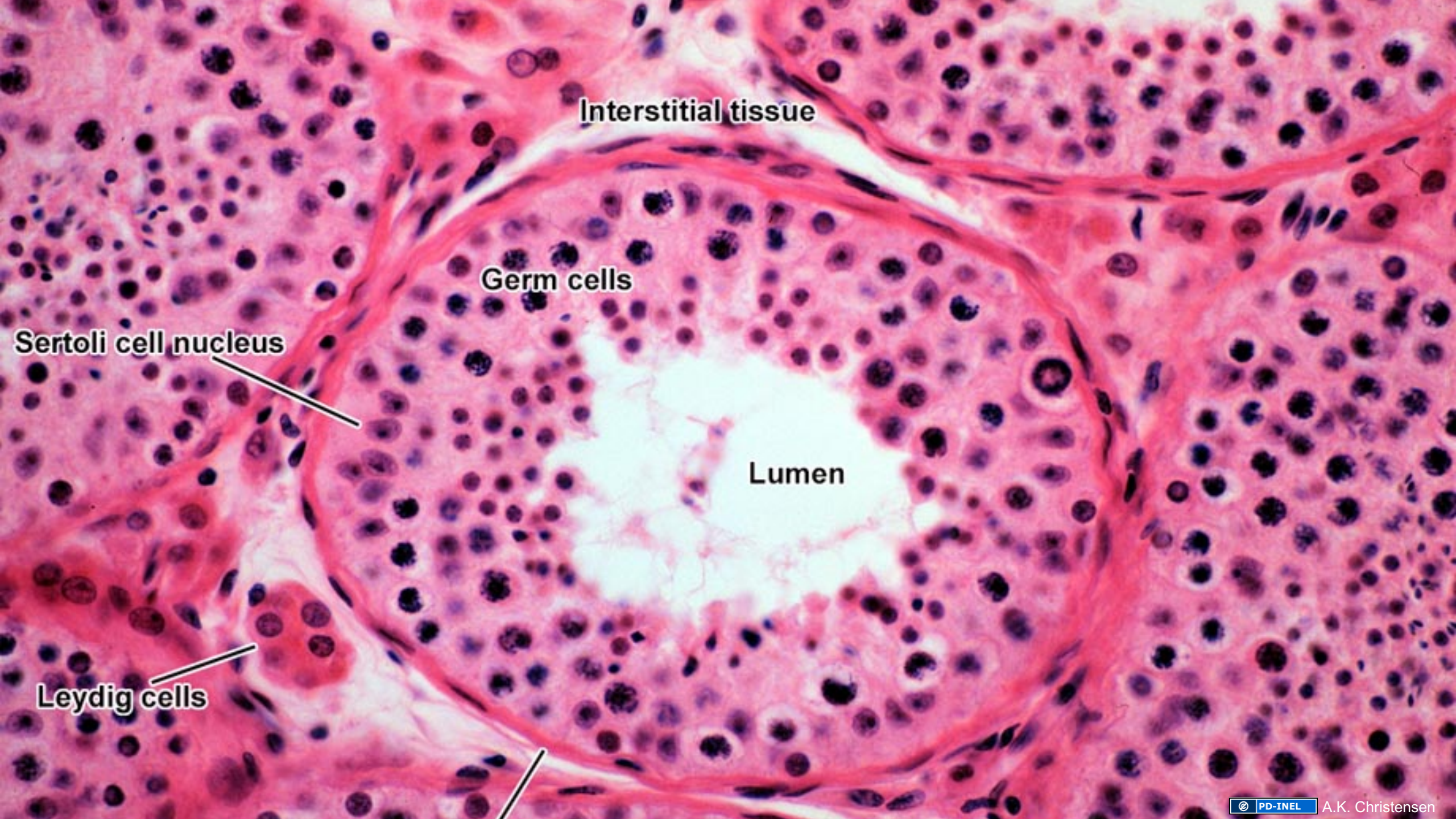






0.5 mm





Interstitial tissue

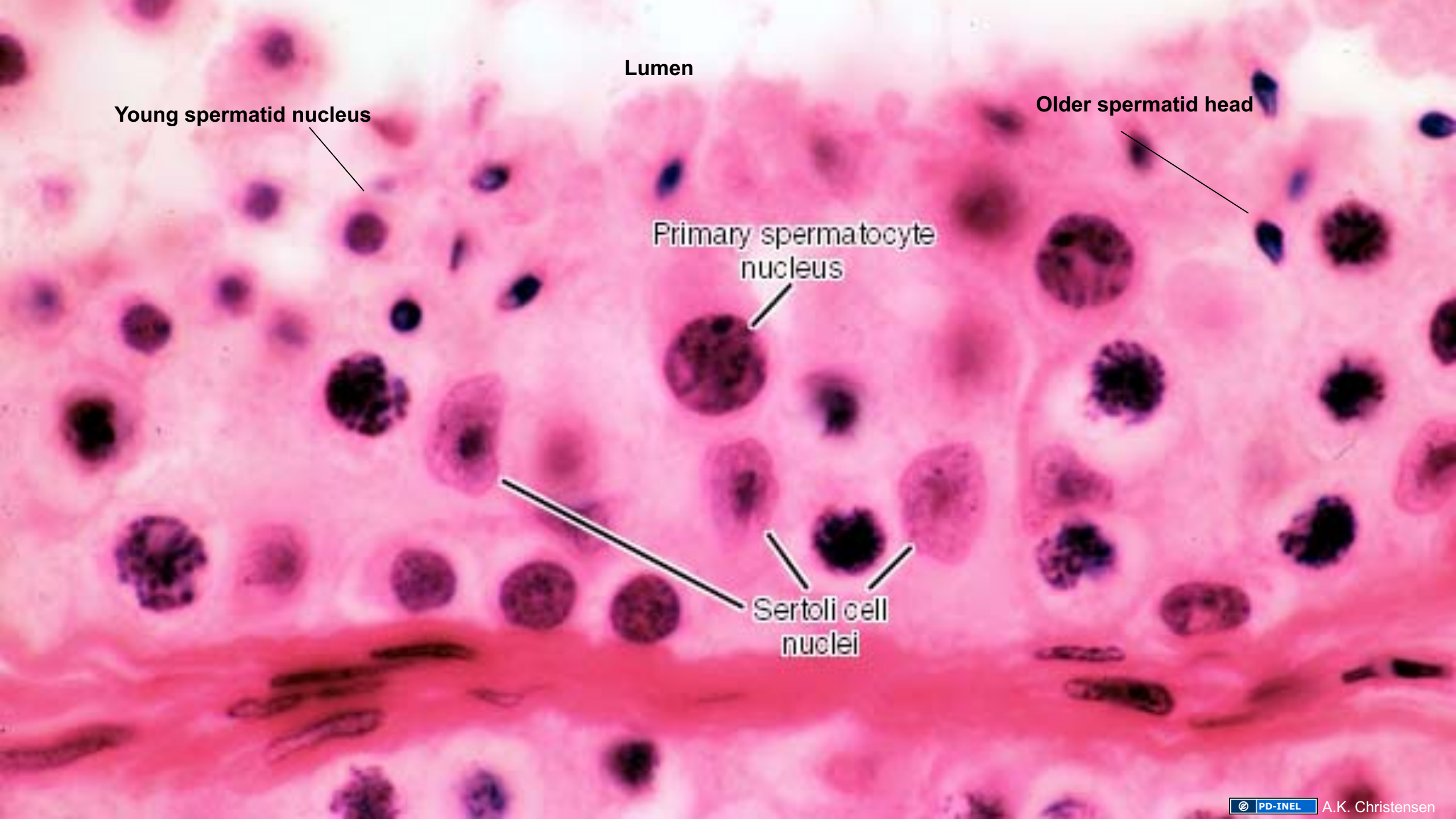
Germ cells

Sertoli cell nucleus

Lumen

Leydig cells





Lumen

Young spermatid nucleus

Older spermatid head

Primary spermatocyte nucleus

Sertoli cell nuclei



Spermatid

Secondary spermatocyte

Division figure

Primary spermatocyte



Rete testis

Mediastinum

Blood vessel

Straight tubule

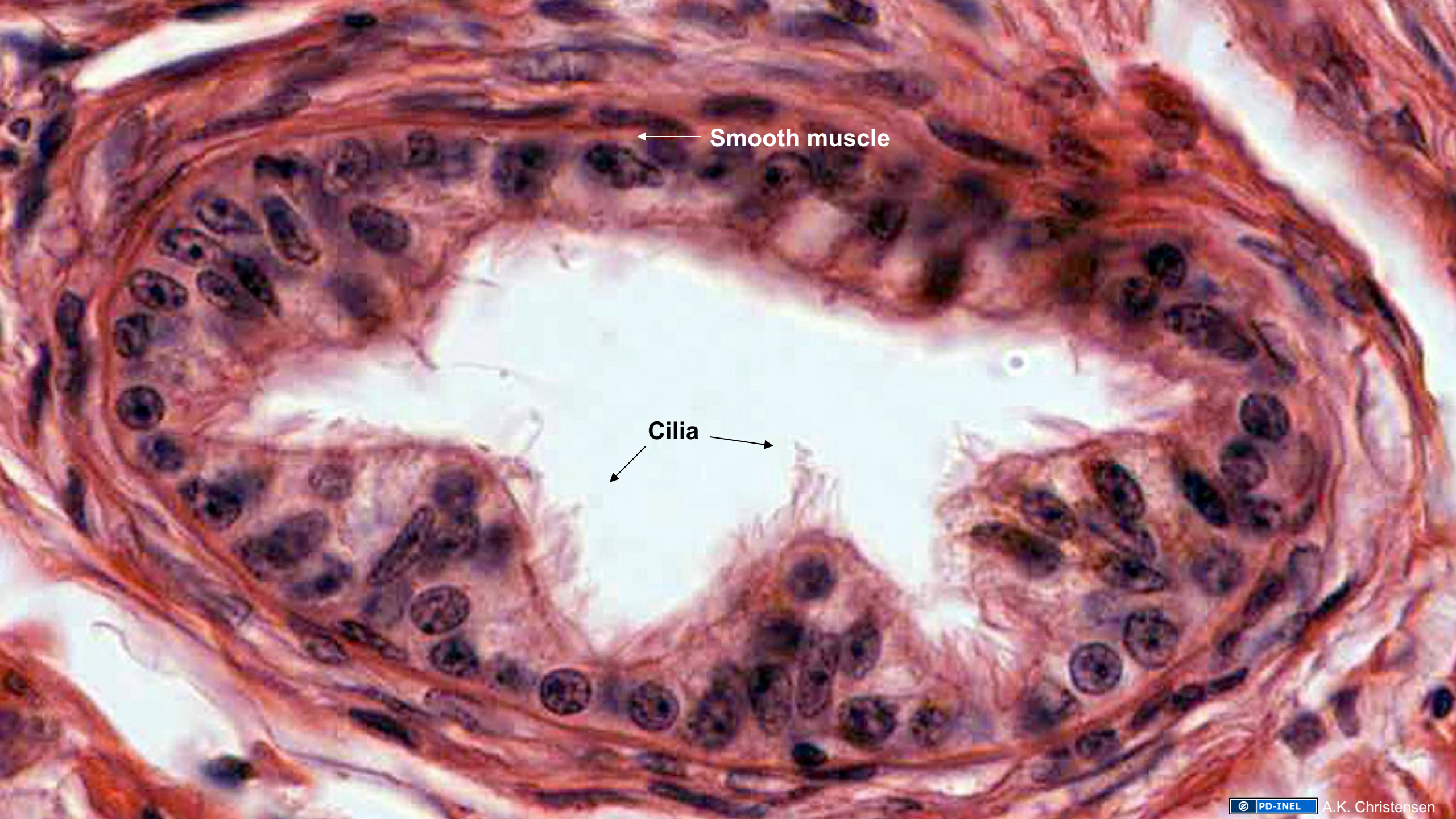
Seminiferous tubules



Epididymis

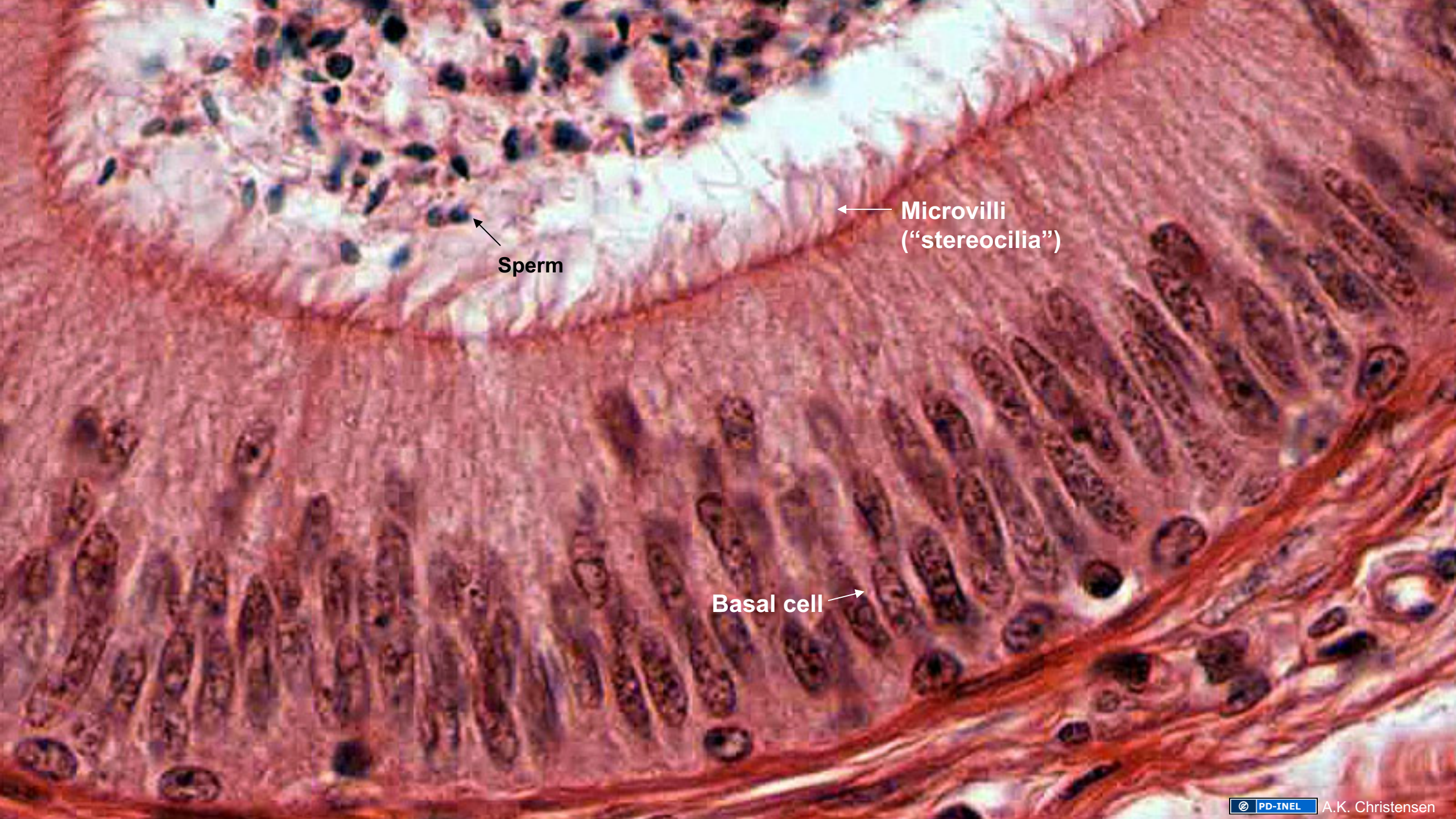
Efferent ducts

Epididymis



← Smooth muscle

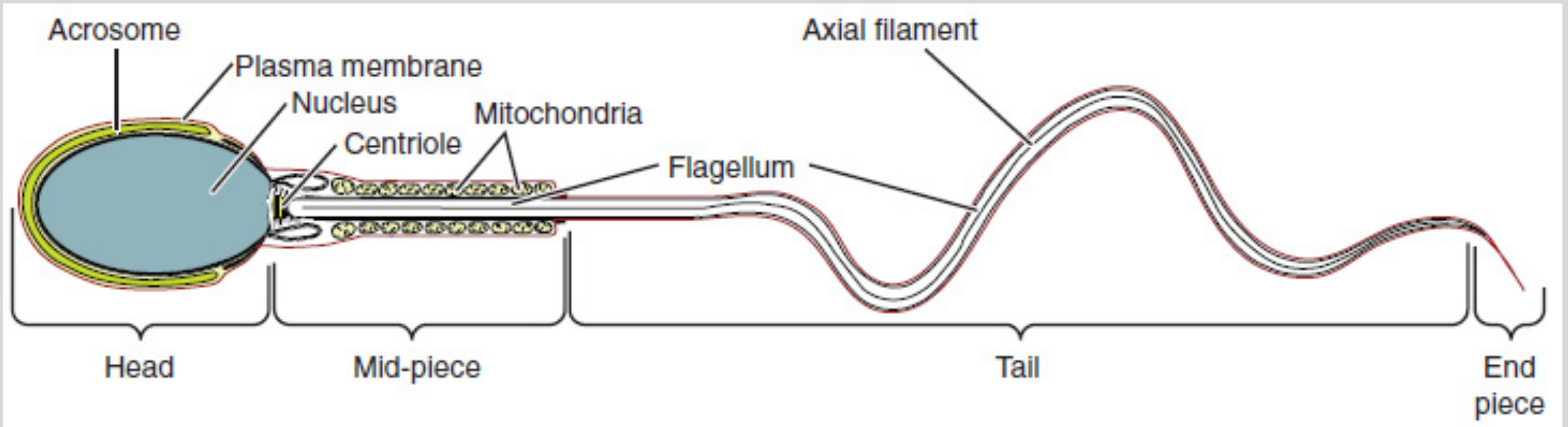
Cilia →

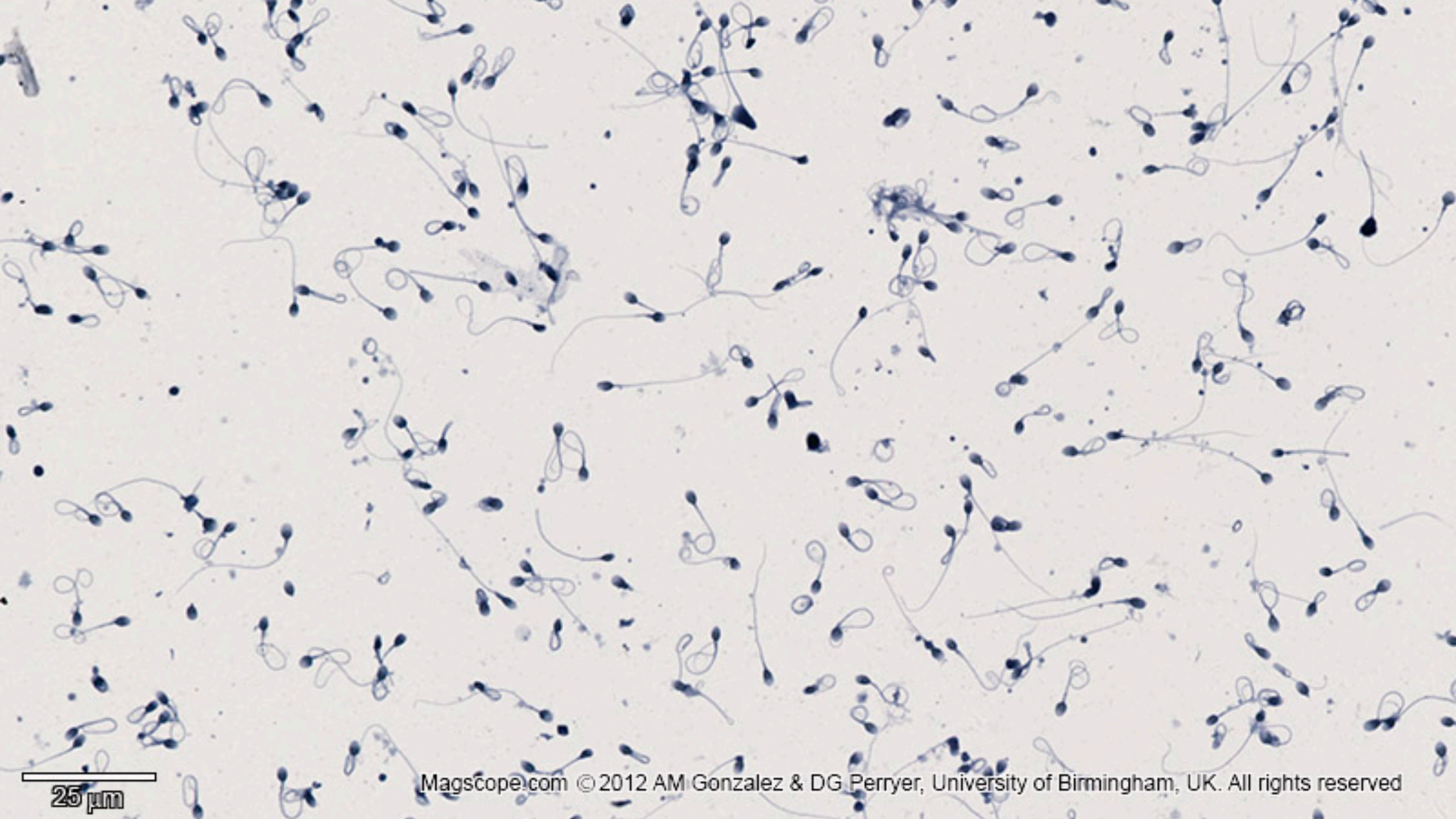


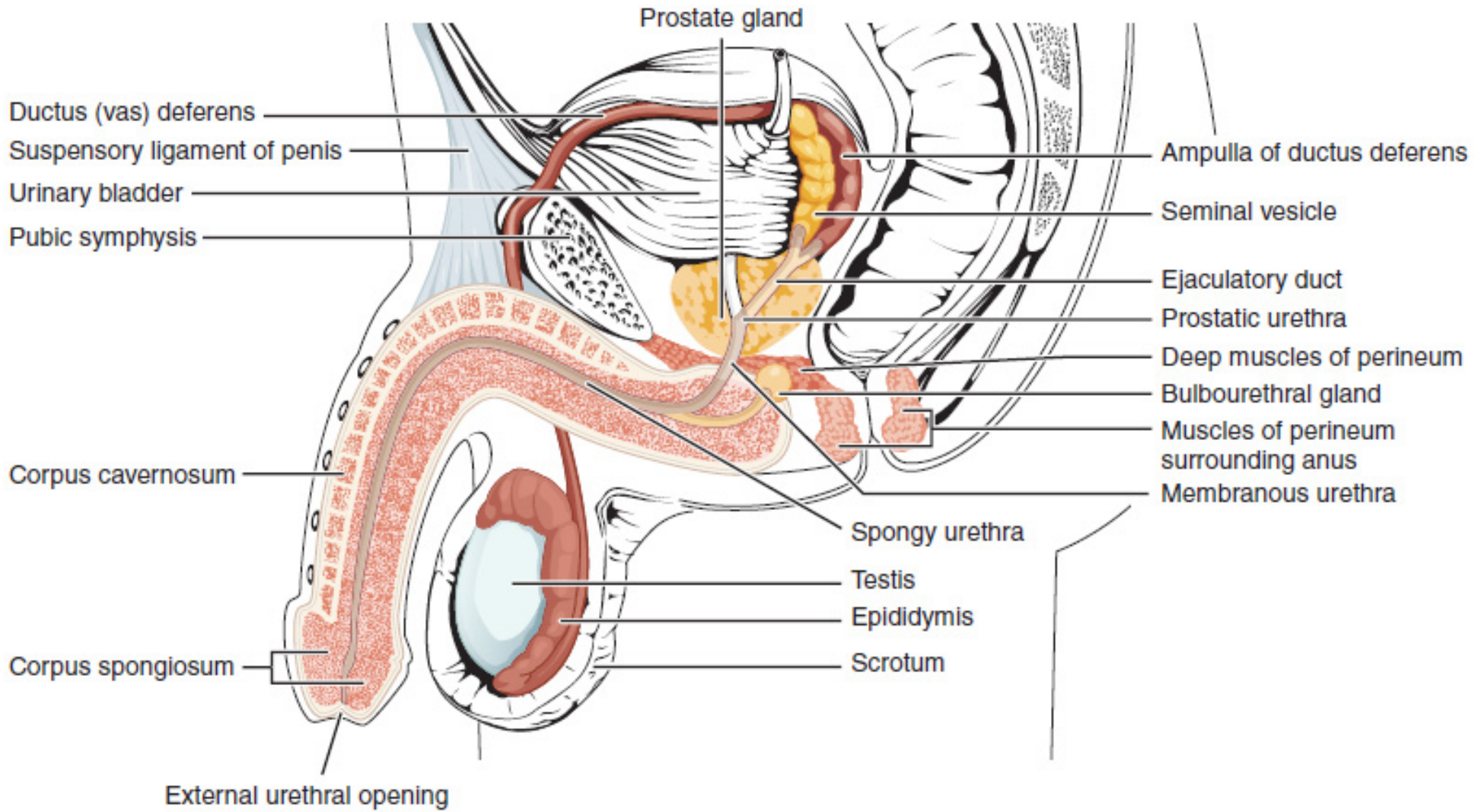
Sperm

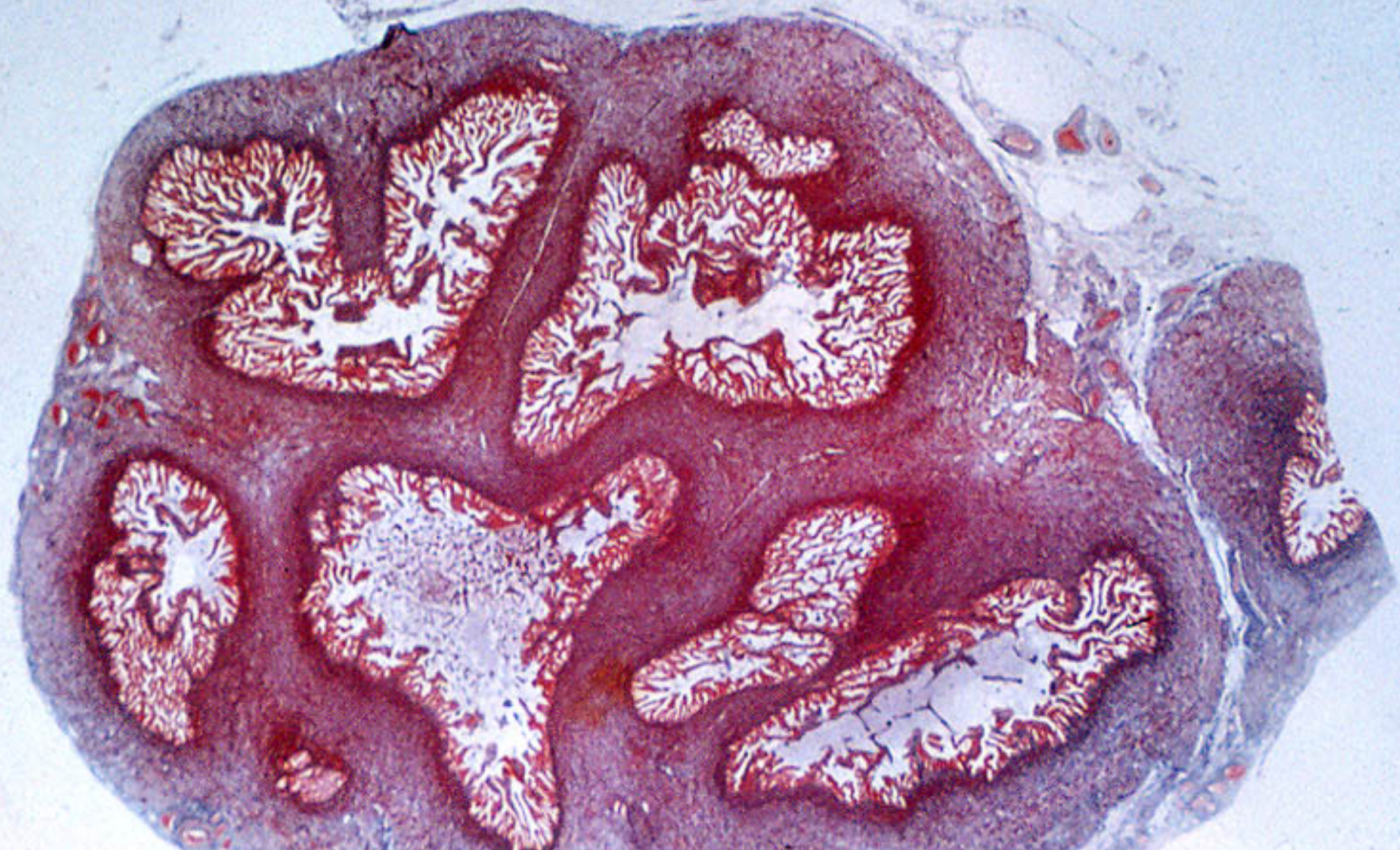
Microvilli
("stereocilia")

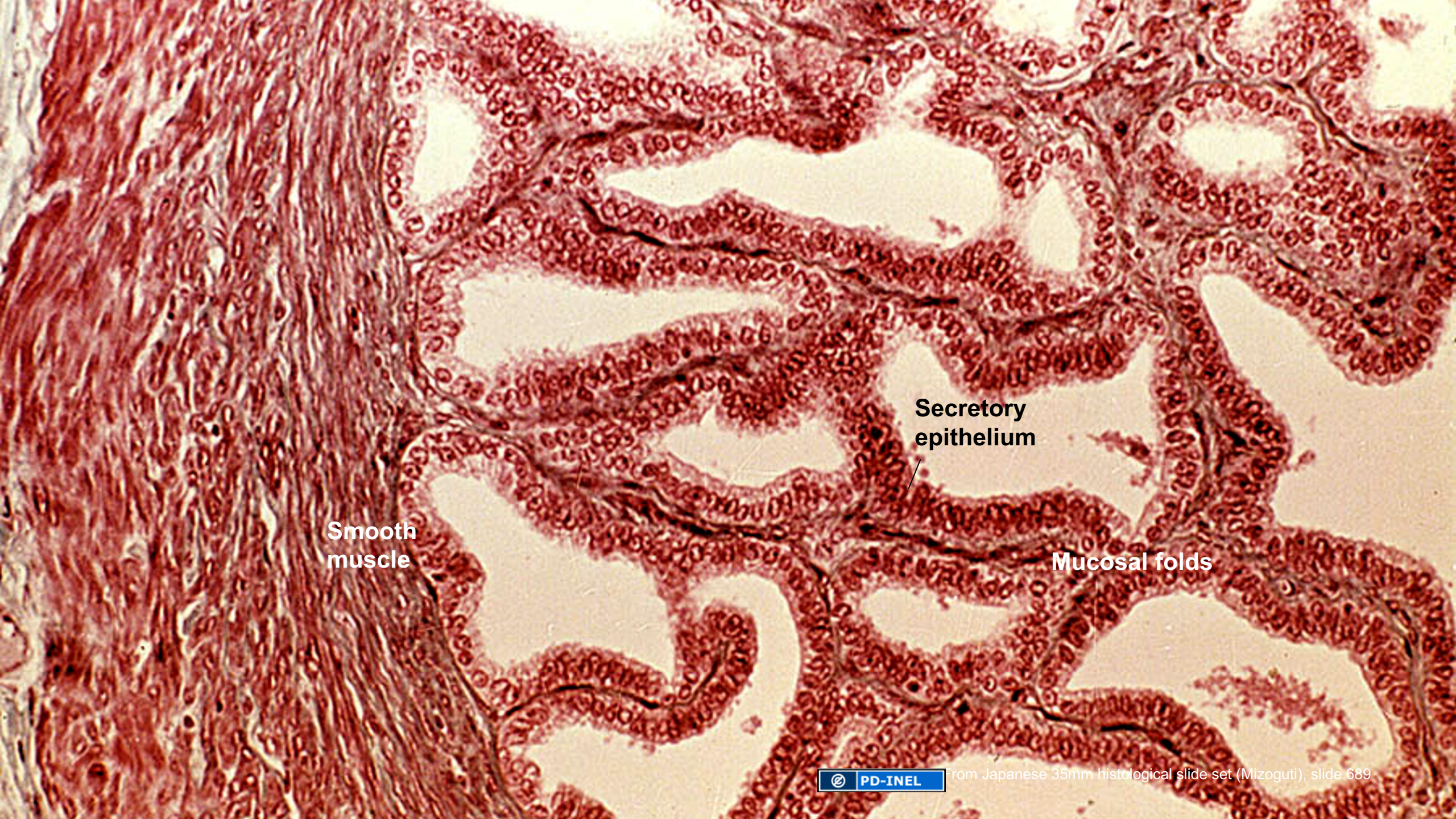
Basal cell







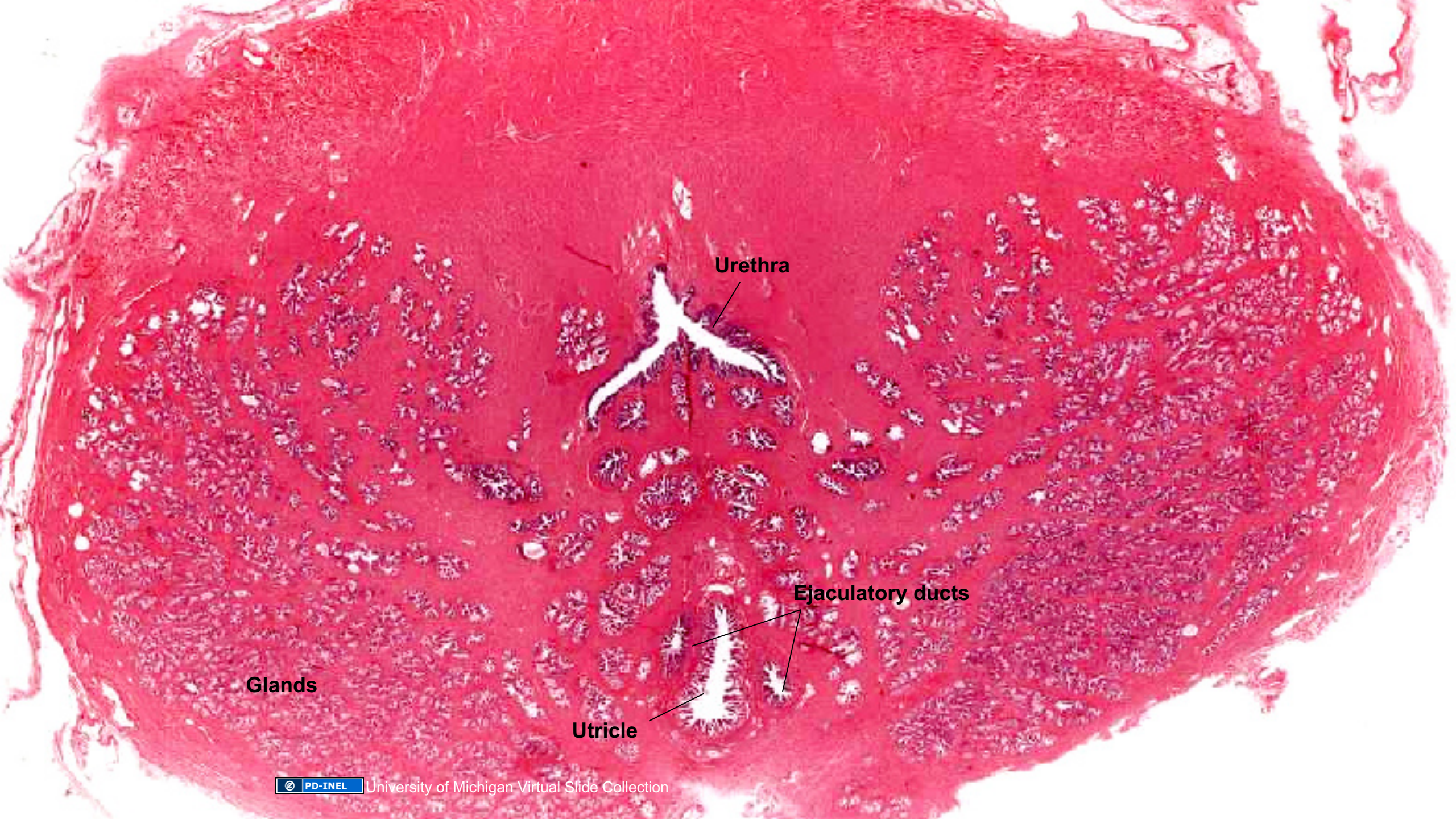




Smooth muscle

Secretory epithelium

Mucosal folds

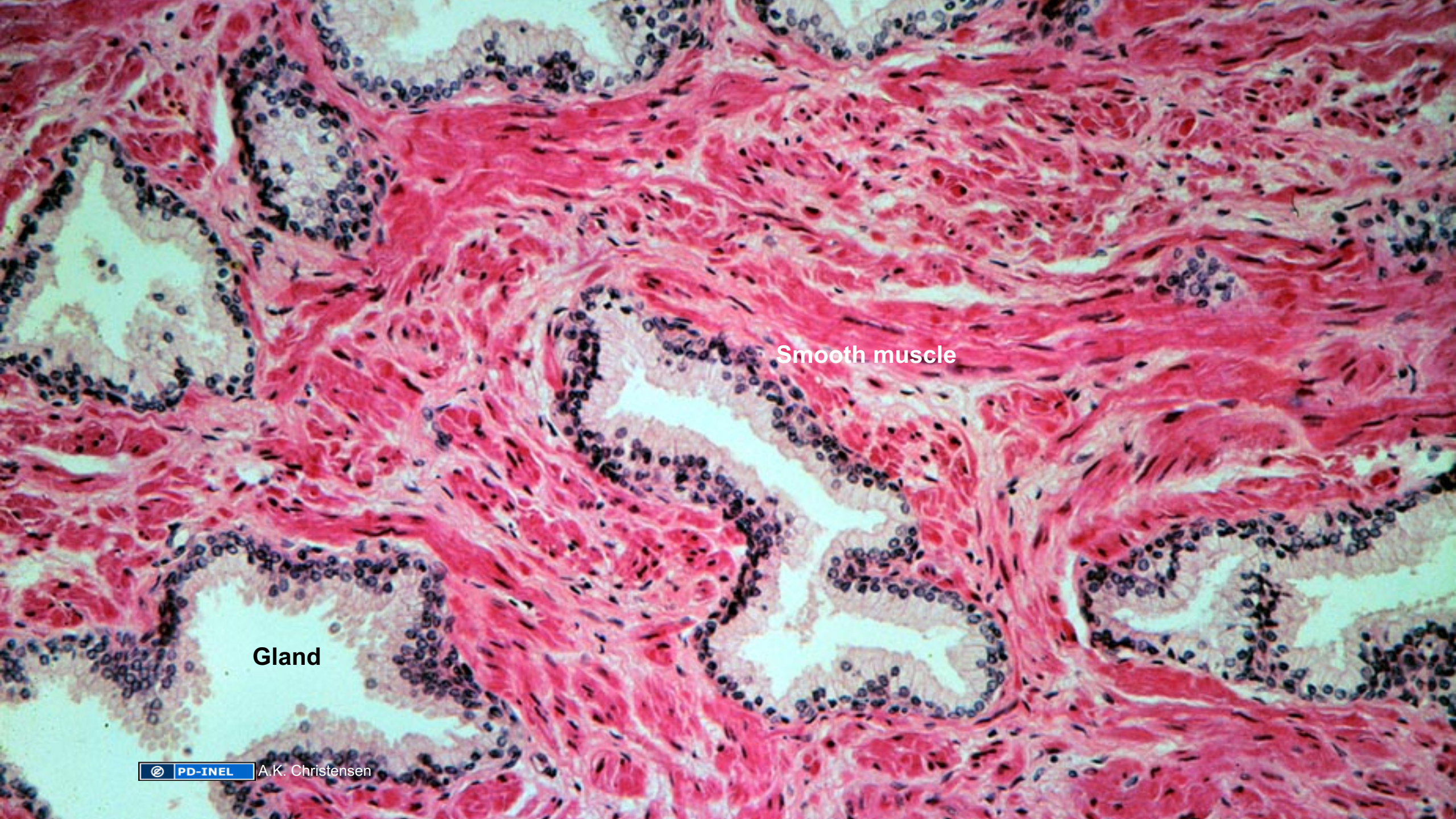


Urethra

Ejaculatory ducts

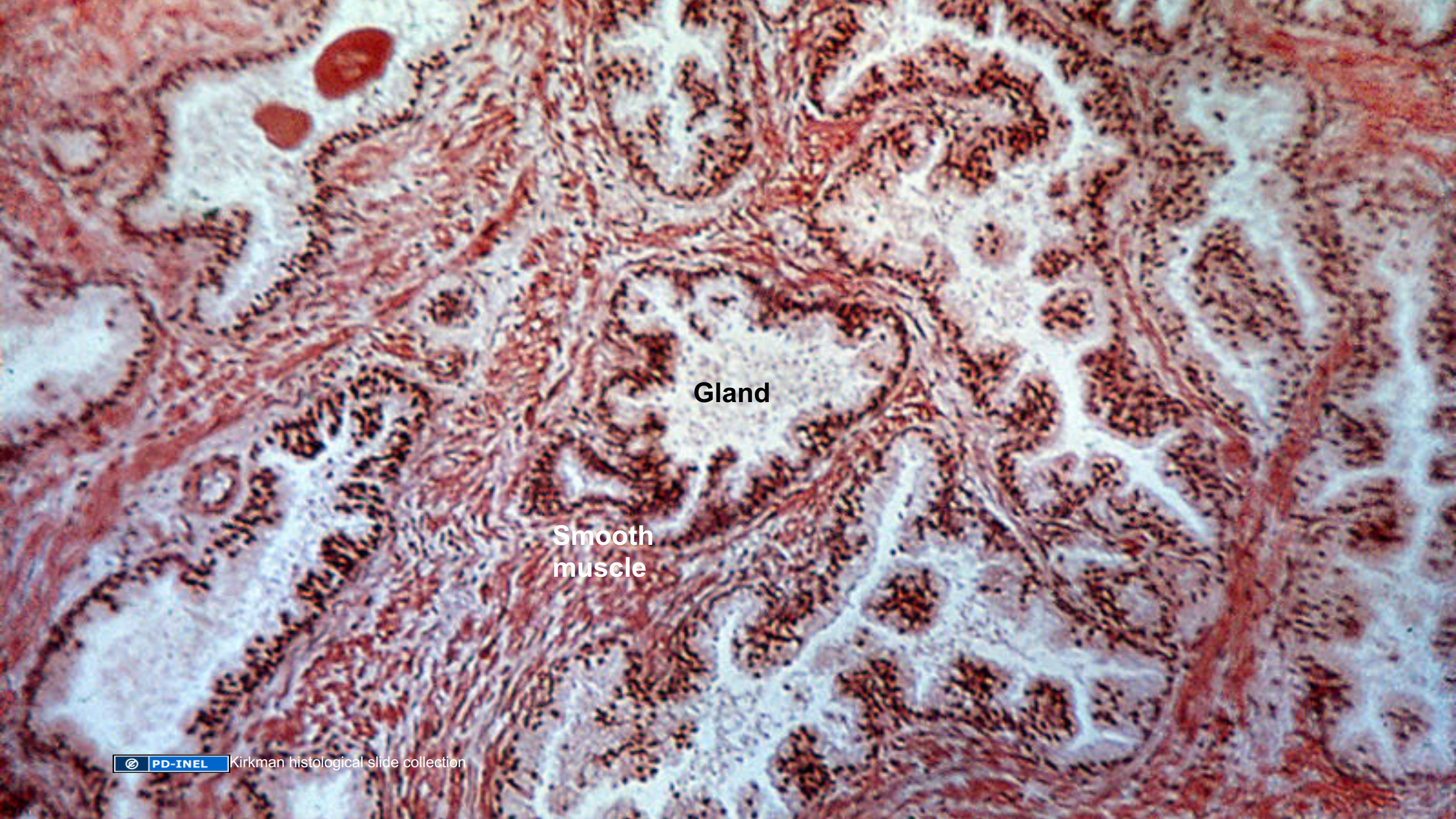
Glands

Utricle



Smooth muscle

Gland



Gland

**Smooth
muscle**