

TEXTUS EPITHELIALIS

HISTOLOGY LABORATORY DEPT.
MEDICAL & HEALTH SCIENCE FACULTY
MUHAMMADIYAH YOGYAKARTA UNIVERSITY



UMY

Universitas
Muhammadiyah
Yogyakarta

Unggul & Islami

Tersakreditasi A, No. 061/SK/BAN-PT/Ak-IV/PT/01/2013

TEXTUS EPITHELIALIS

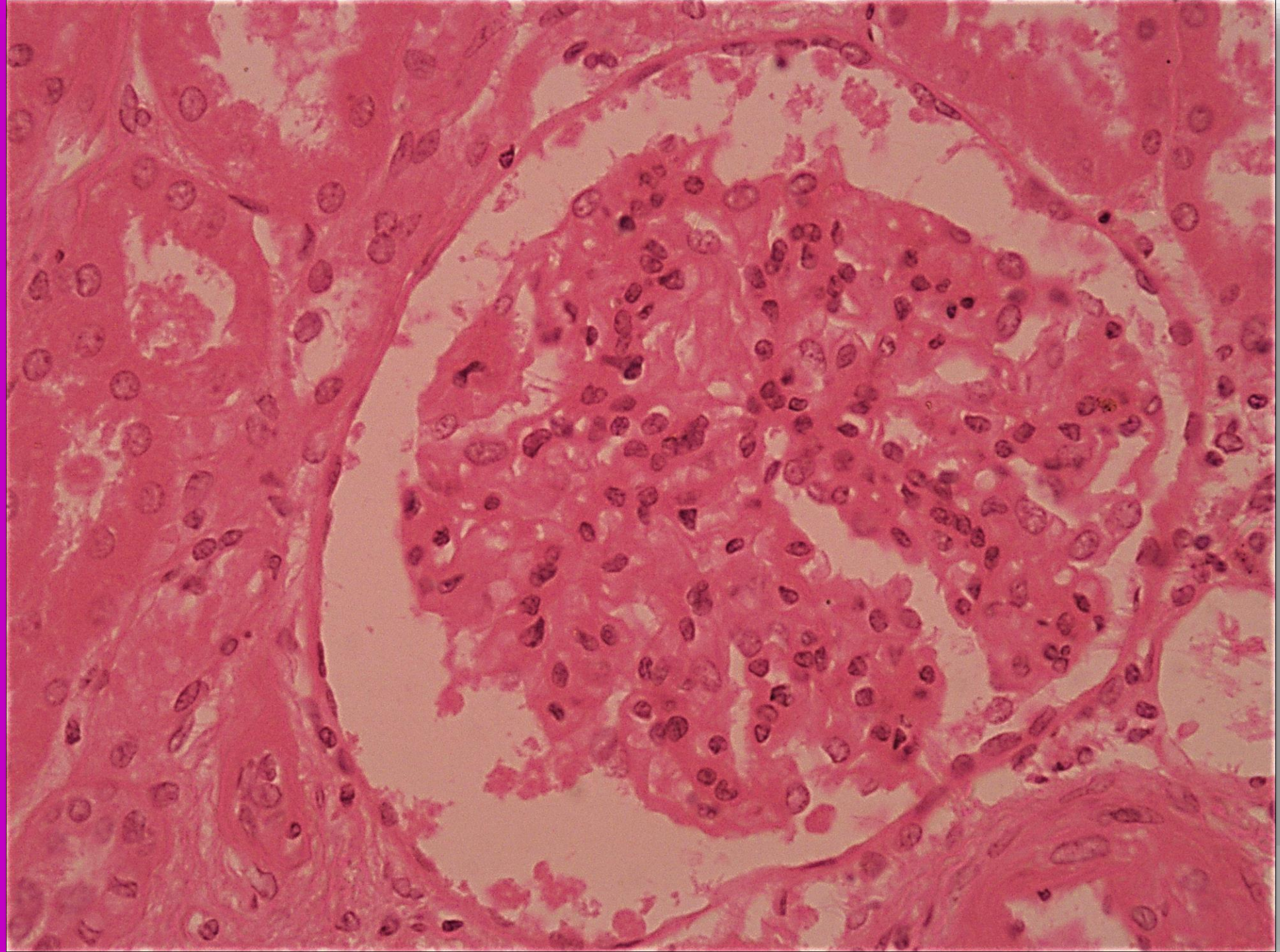
tersusun oleh 2 macam komponen pokok

- cellula atau sel yang telah mengalami deferensiasi yang khas.
 - substantia intercellularis : di antara sel-sel → khas dan merupakan penunjang bagi sel dalam jaringan
- terdiri atas deretan sel, tersusun rapat dengan substantia intercellularis sangat sedikit dan tipis. Deretan sel ini melapisi permukaan jaringan atau alat baik dari luar maupun dalam (melapisi rongga alat) Melekat pada jaringan di bawah sel-sel epitel → membrana basalis

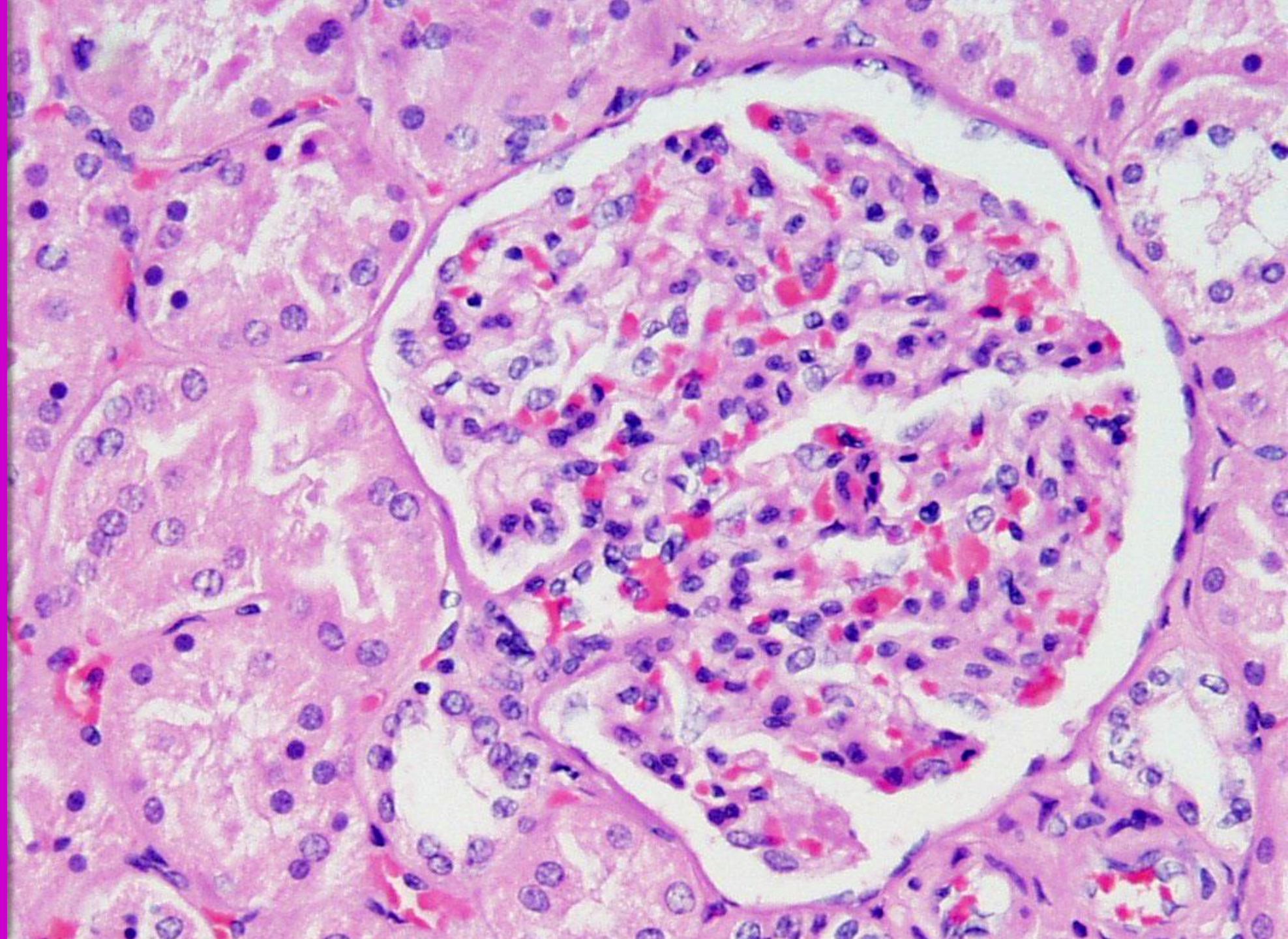
TEXTUS EPITHELIALIS

- Berasal dari 3 lapis benih : endo, meso, ectoderm
- Waktu untuk regenerasi bervariasi
- Dibedakan menjadi 2 golongan besar epitel :
 - epitel pelapis
 - Epitel kelenjar
- Penamaan jenis epitel berdasar jumlah dan bentuk sel penyusun
- Penjelasan lengkap → simak di kuliahnya yaaa

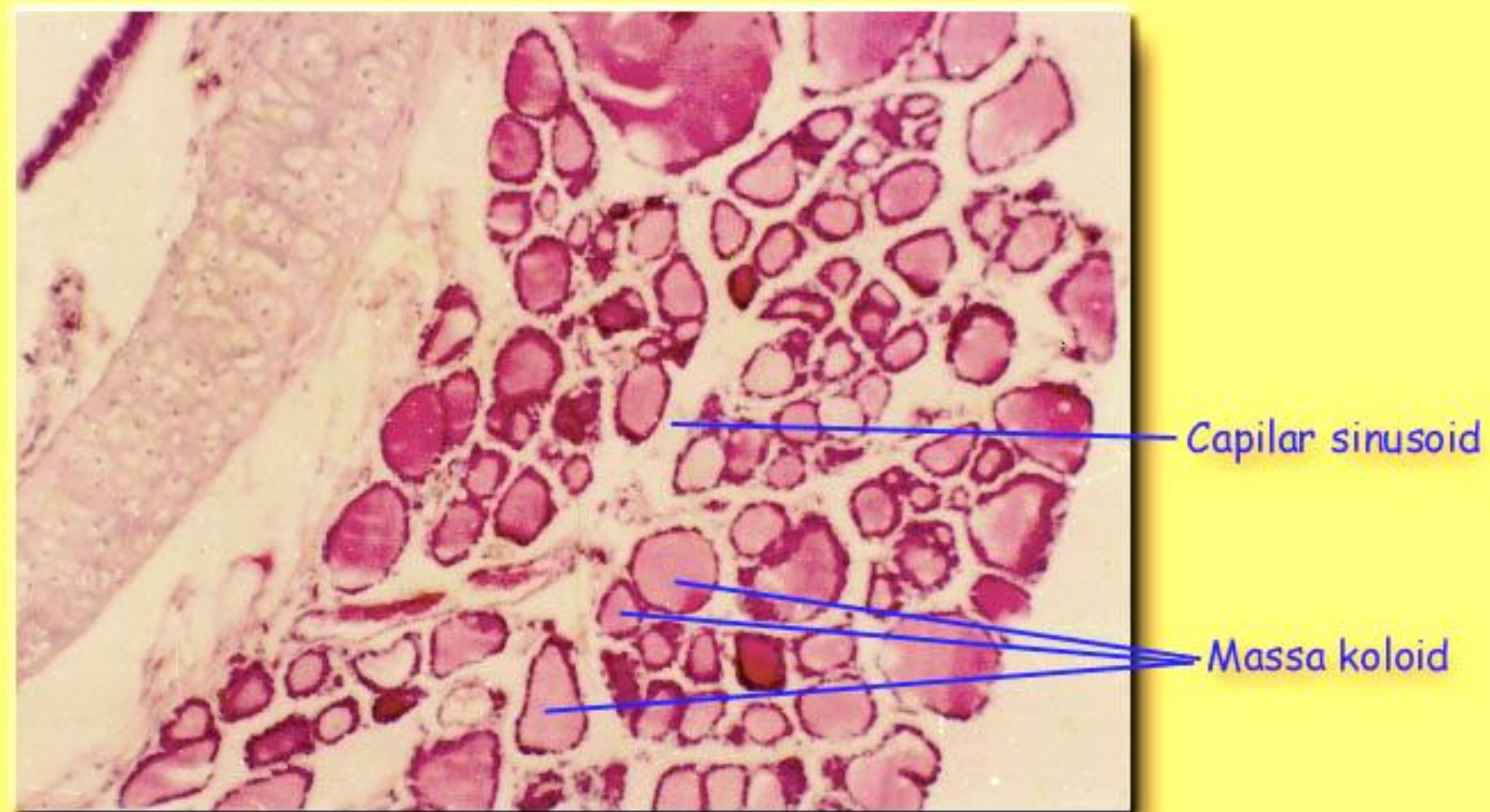
SIMPLE
SQUAMOUS
EPITHELIUM
(CORPUSCULUM
RENALE)



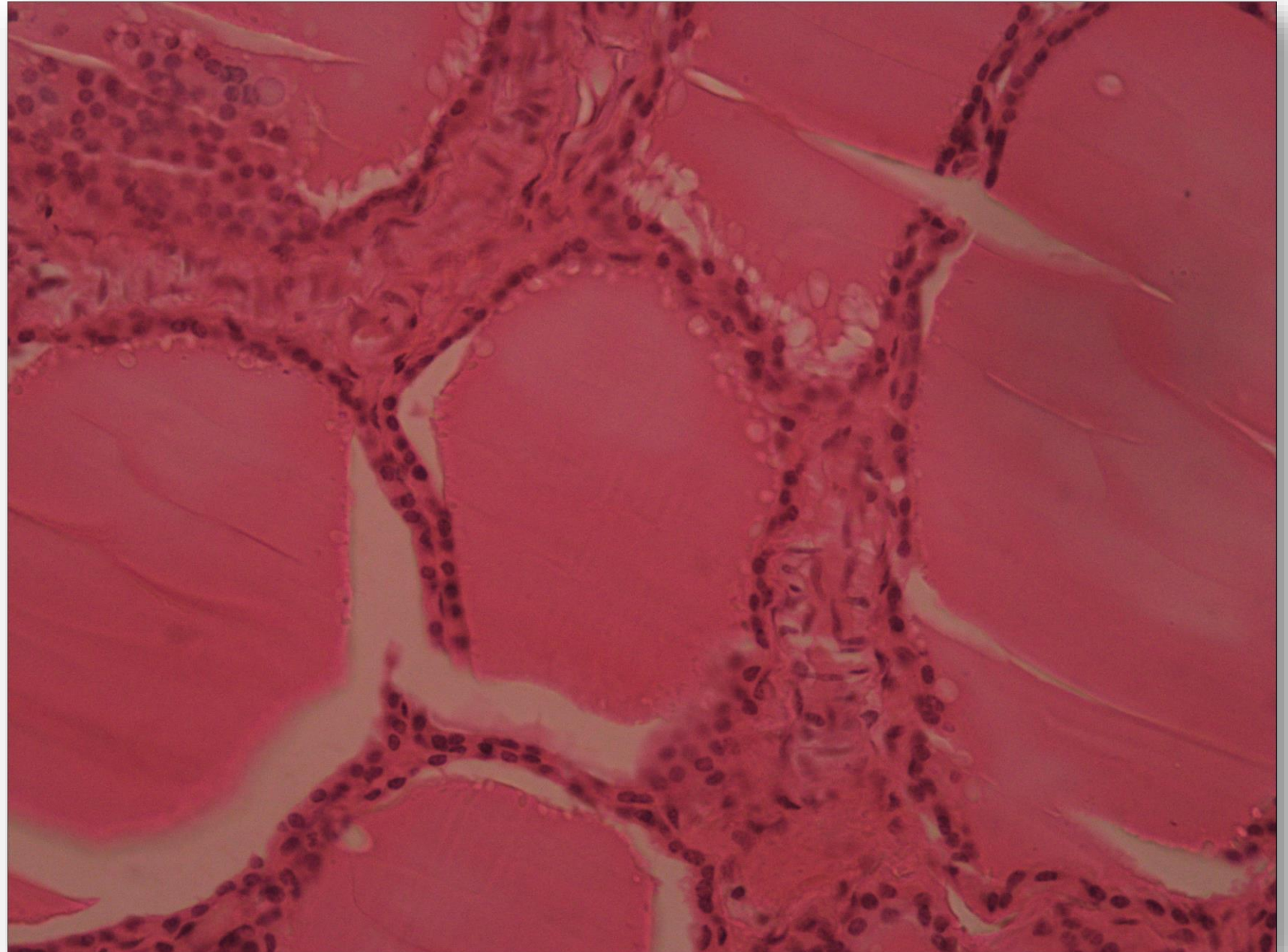
SIMPLE
SQUAMOUS
EPITHELIUM
(CORPUSCULUM
RENALE)



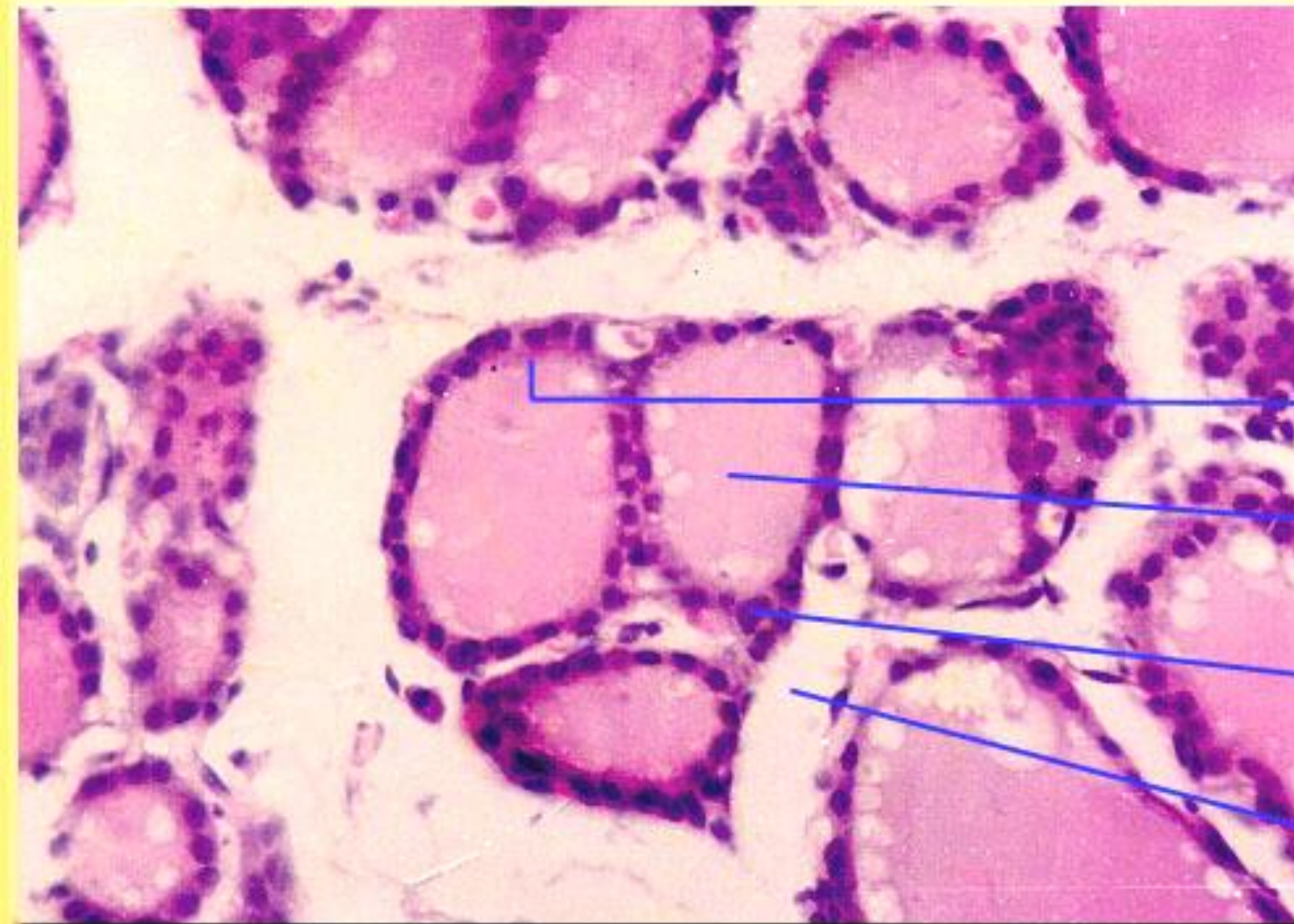
EPITHELIUM SIMPLEX CUBOIDEUM pada folikel gld tiroid



EPITHELIUM SIMPLEX CUBOIDEUM



EPITHELIUM SIMPLEX CUBOIDEUM



Membrana basalis

Massa koloid

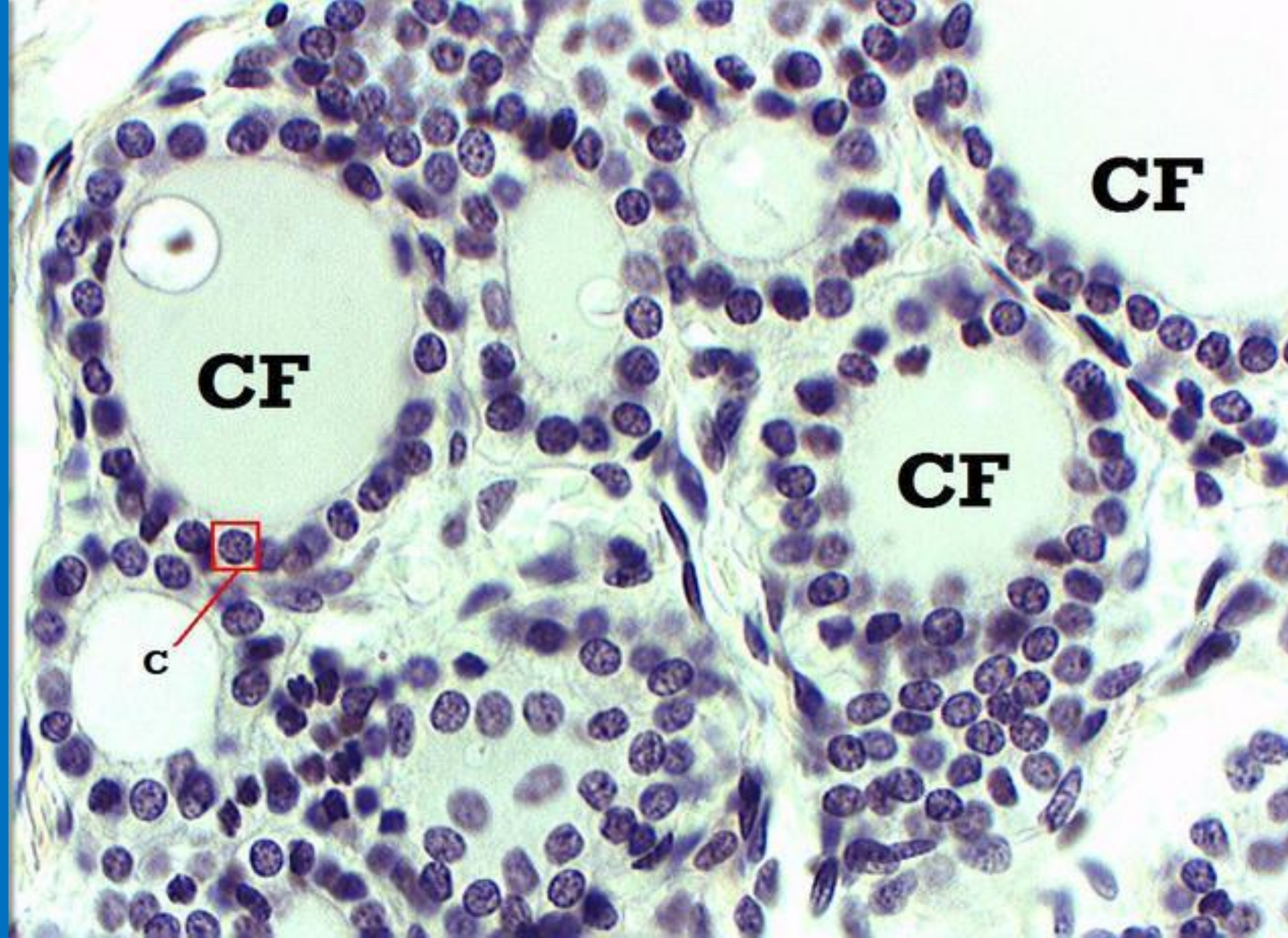
Epitel selapis cuboid

Capilar sinusoid

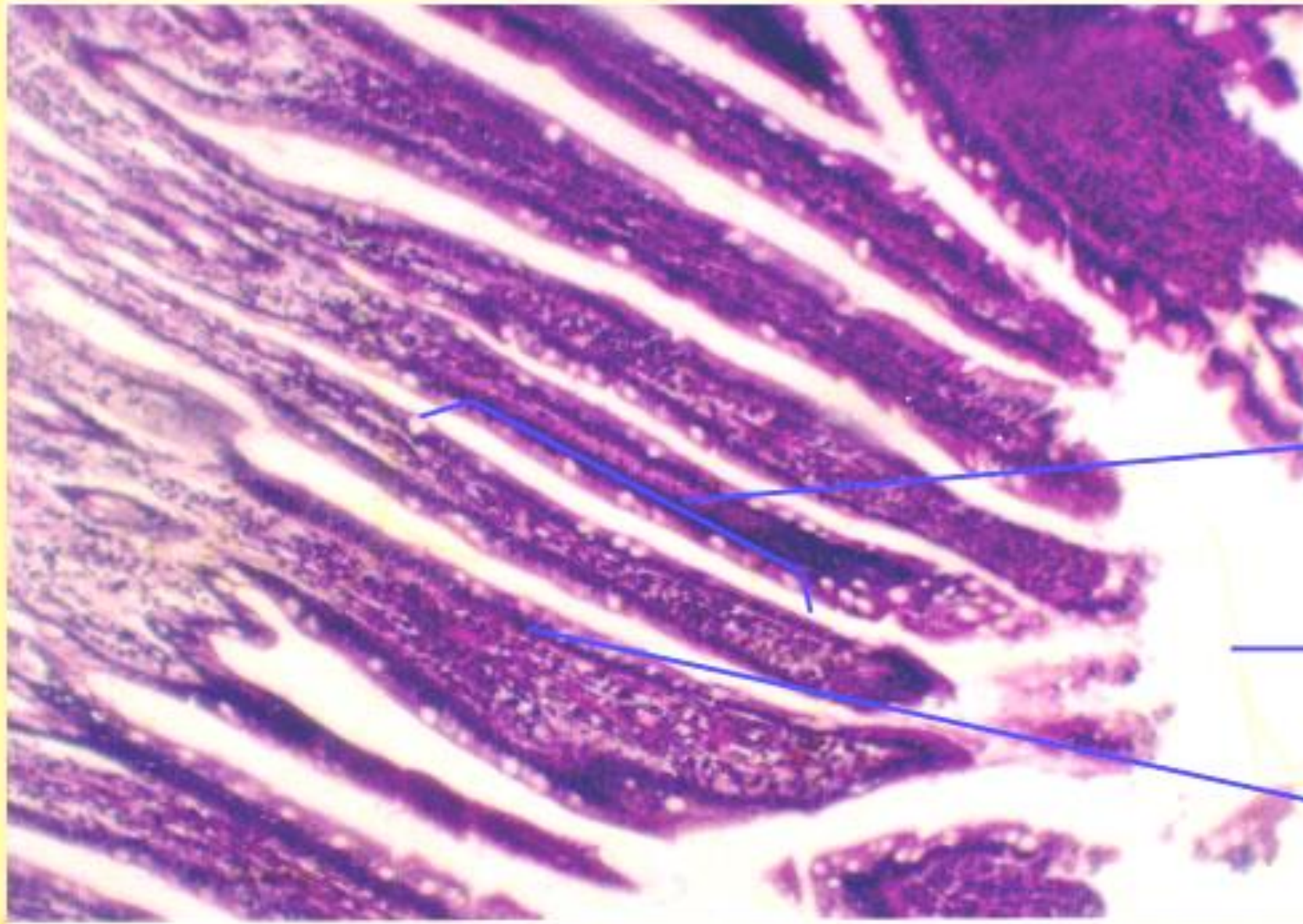
SIMPLE
CUBOIDAL
EPITHELIUM
(THYROID GLAND)



SIMPLE
CUBOIDAL
EPITHELIUM
(THYROID GLAND)



EPITHELIUM SIMPLEX COLUMNARE

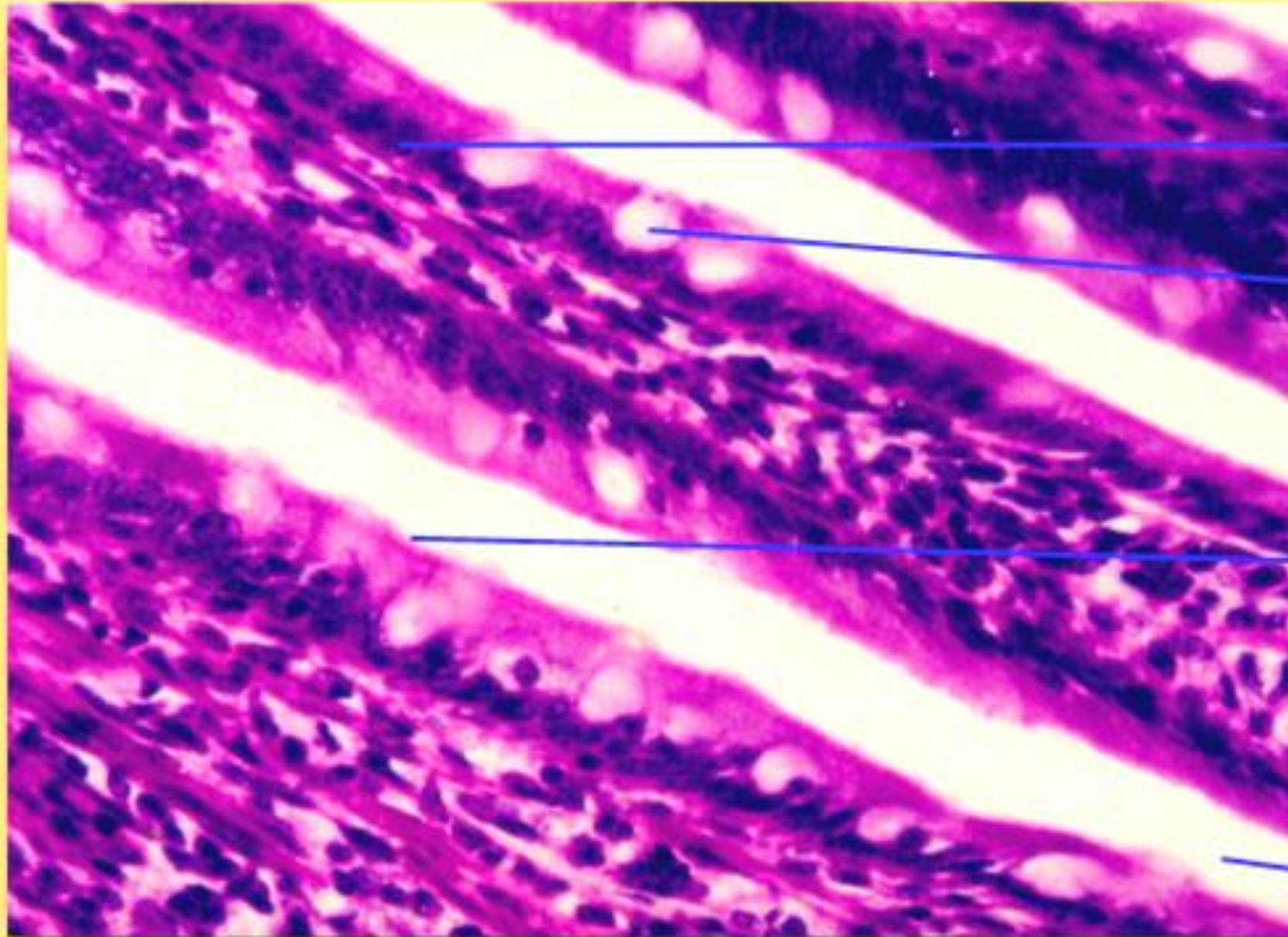


Villi intestinalis

Lumen

Epithelium simplex
columnare

EPITHELIUM SIMPLEX COLUMNARE



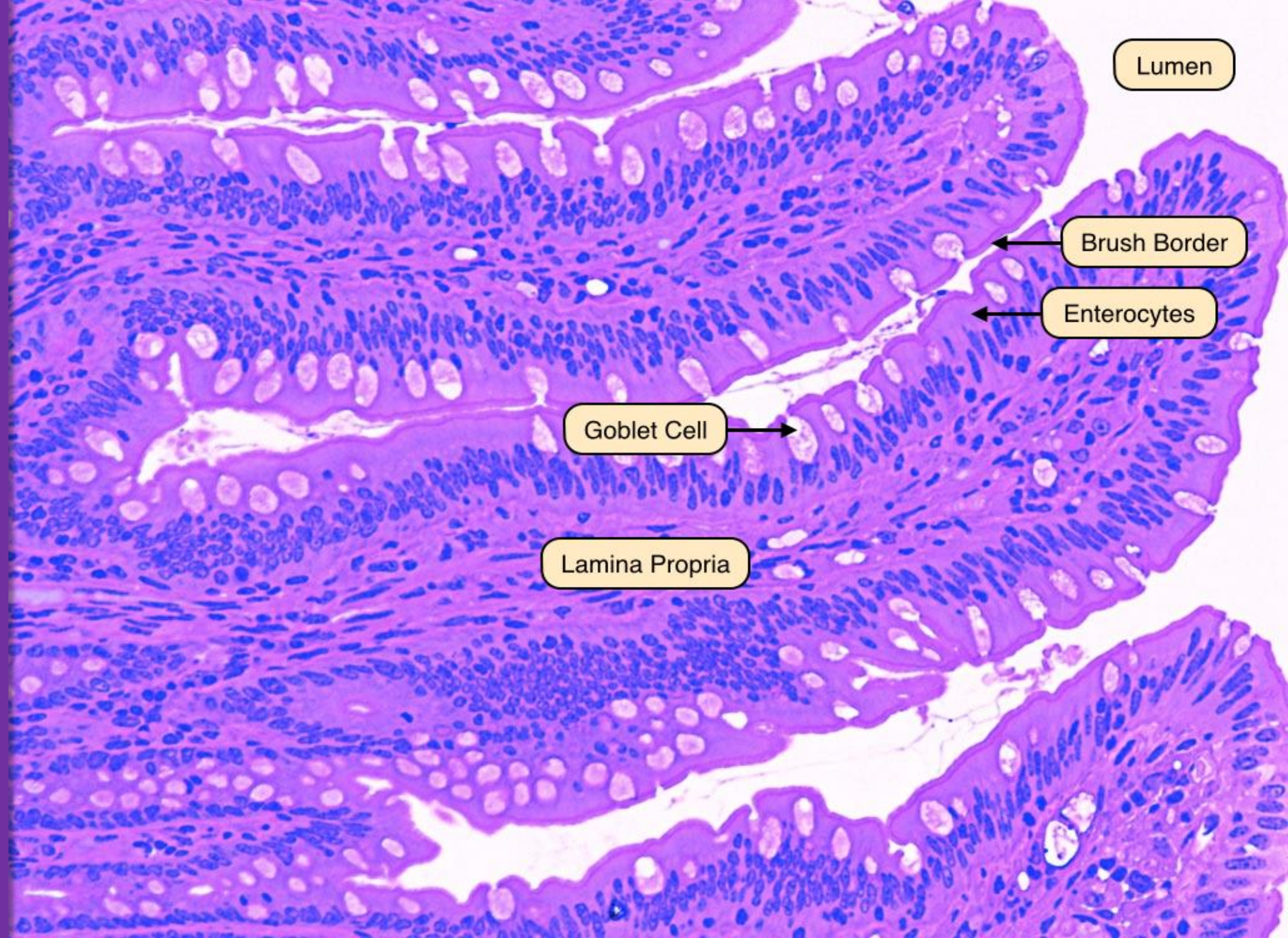
Epitheliocytus columnare

Exocrinocytus
caliciformis

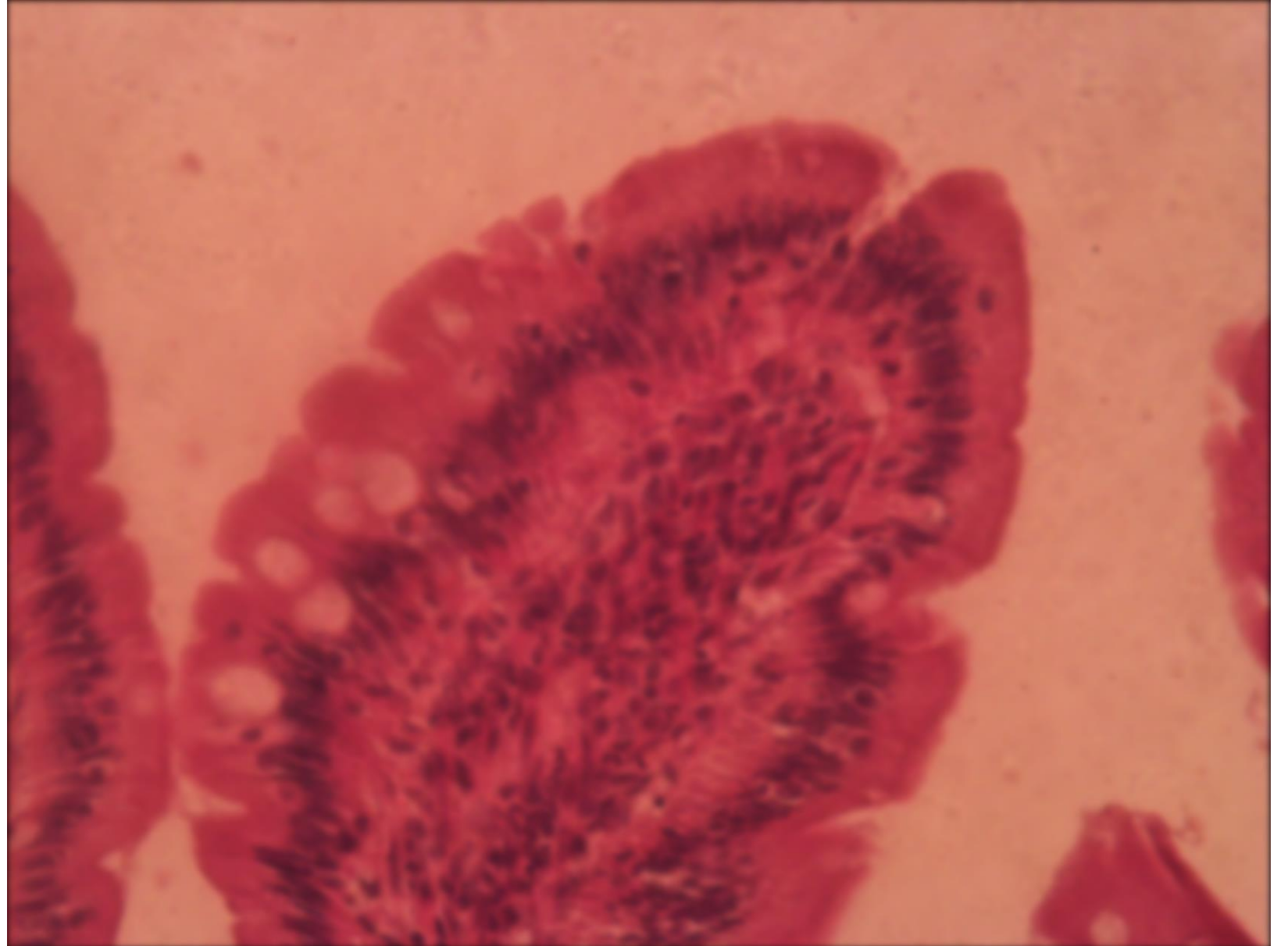
Limbus striatus

Lumen intestinum
tenue

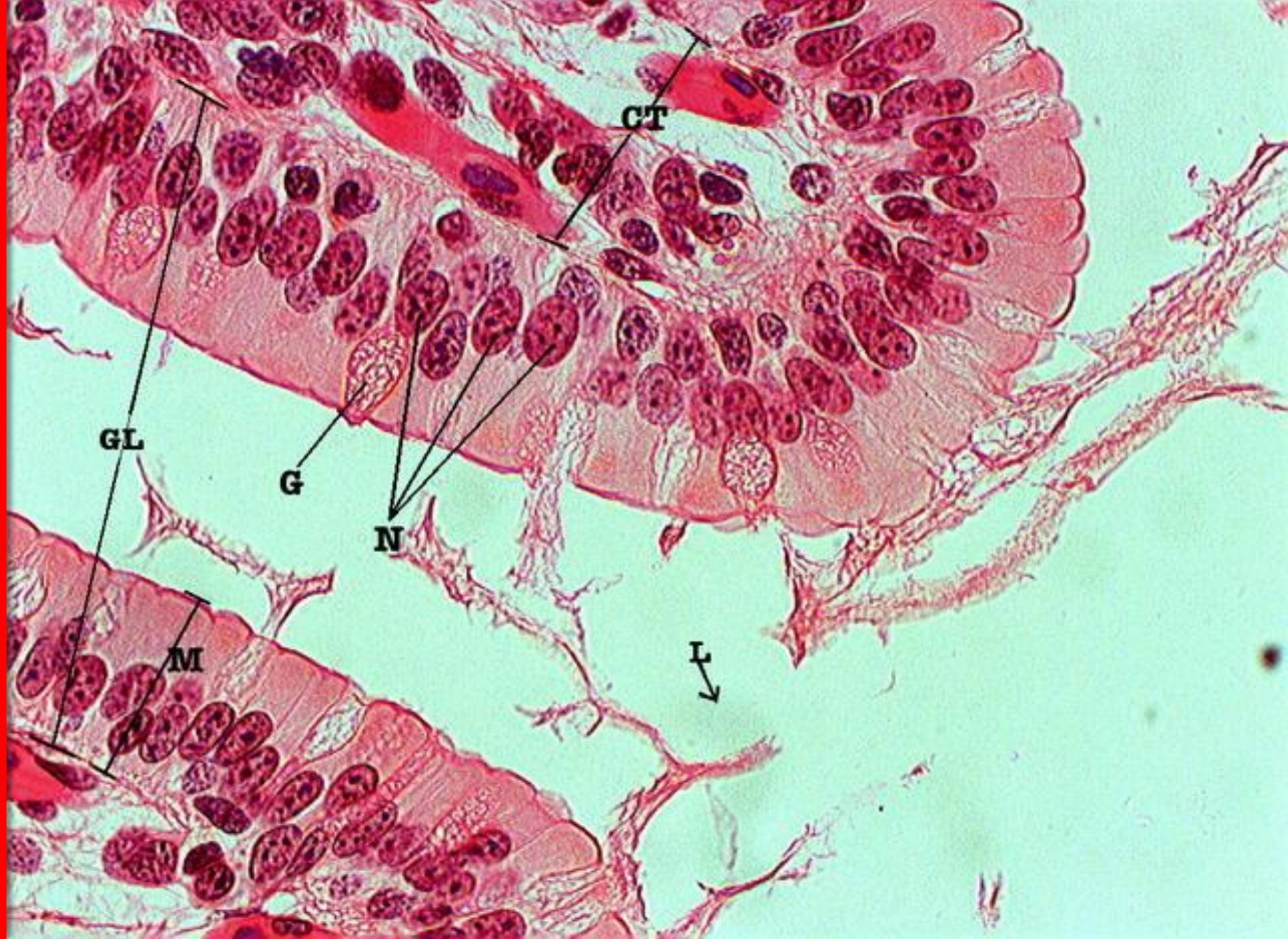
SIMPLE COLUMNAR EPITHELIUM (INTESTINUM VILLI)



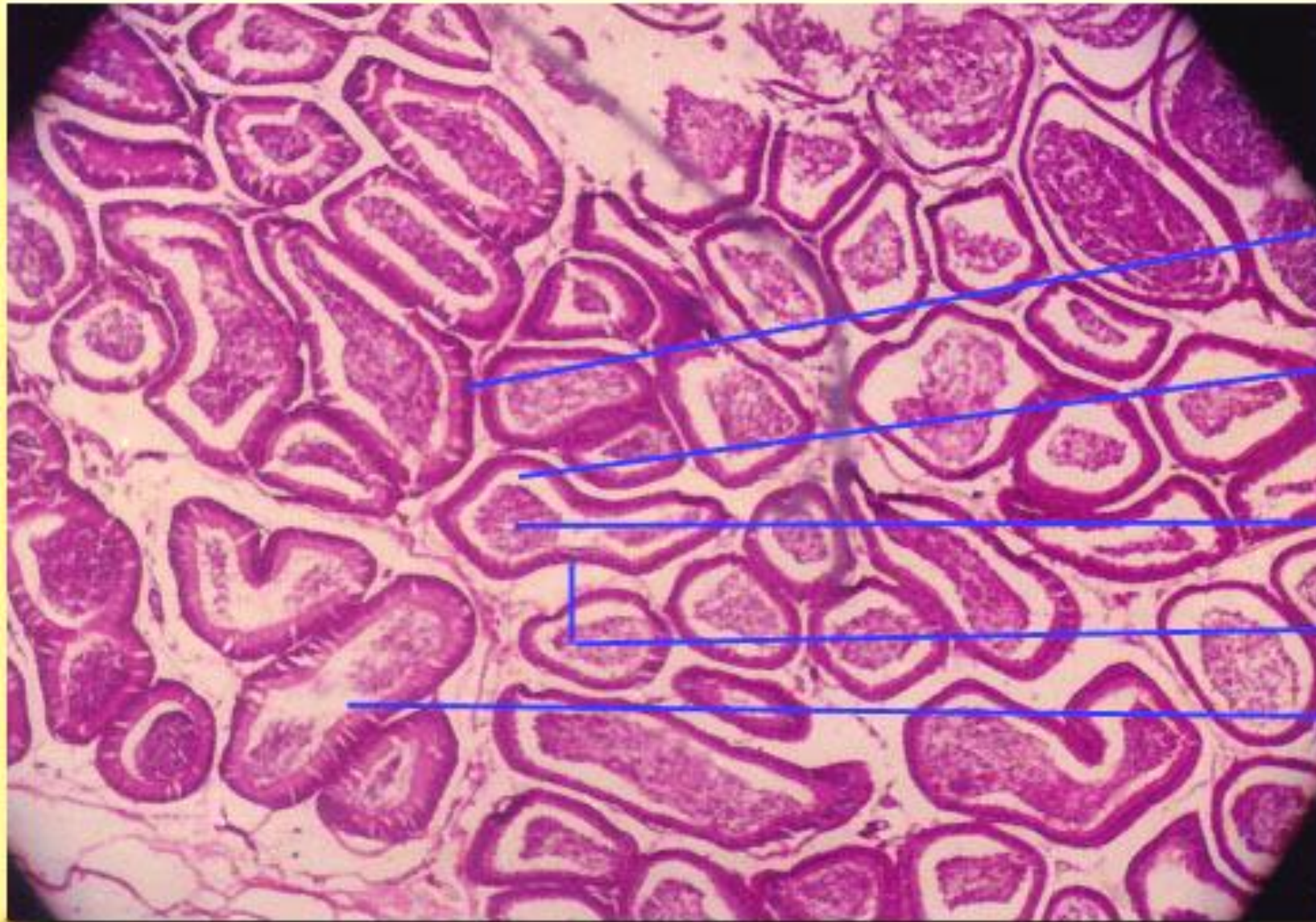
EPITHELIUM SIMPLEX COLUMNARE



**SIMPLE
COLUMNAR
EPITHELIUM
(INTESTINUM VILLI)**



EPITHELIUM PSEUDOSTRATIFICATUM



Epitheliocytus
pseudostratificatum

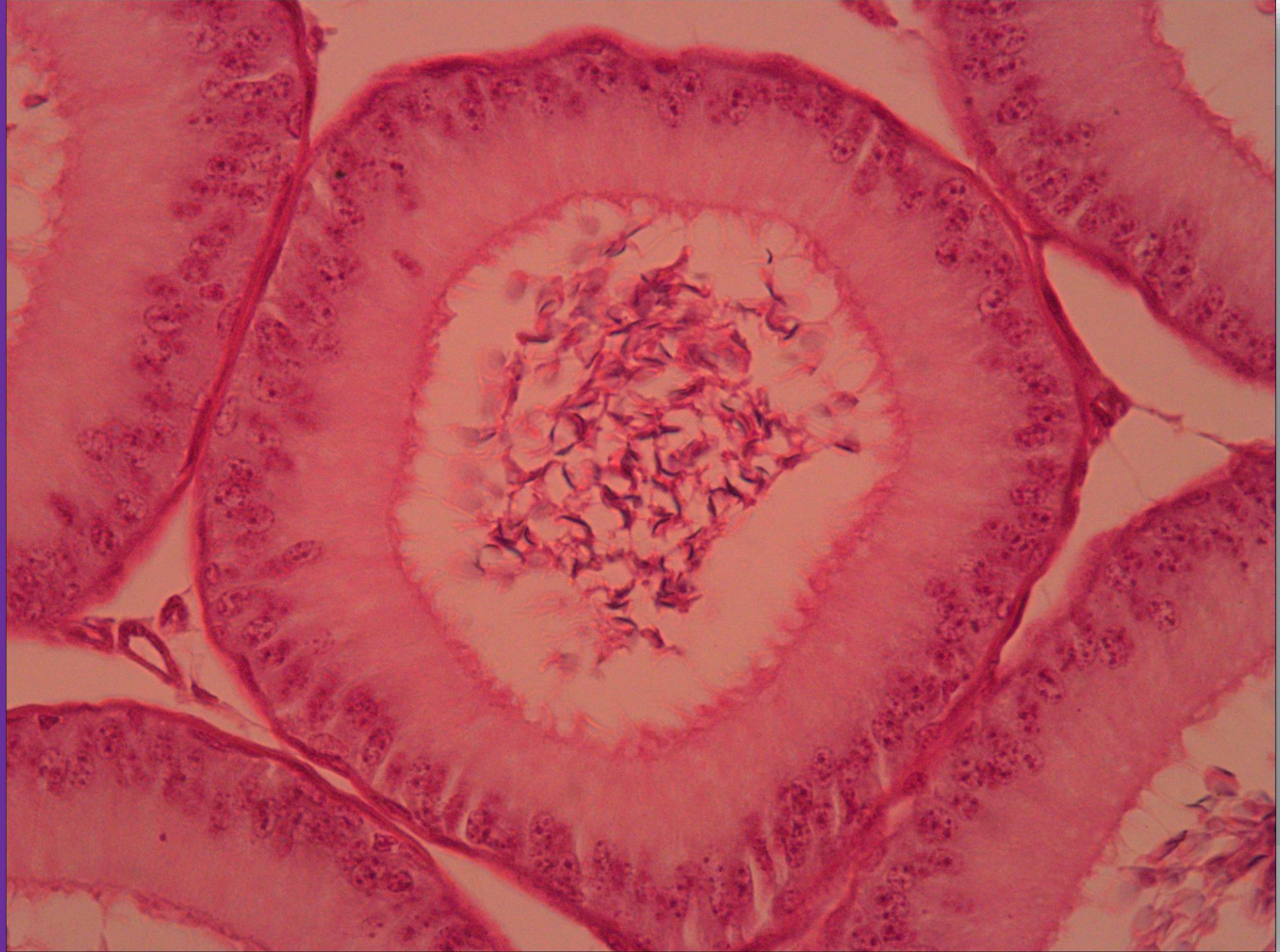
Rongga ductus

Spermatozoa

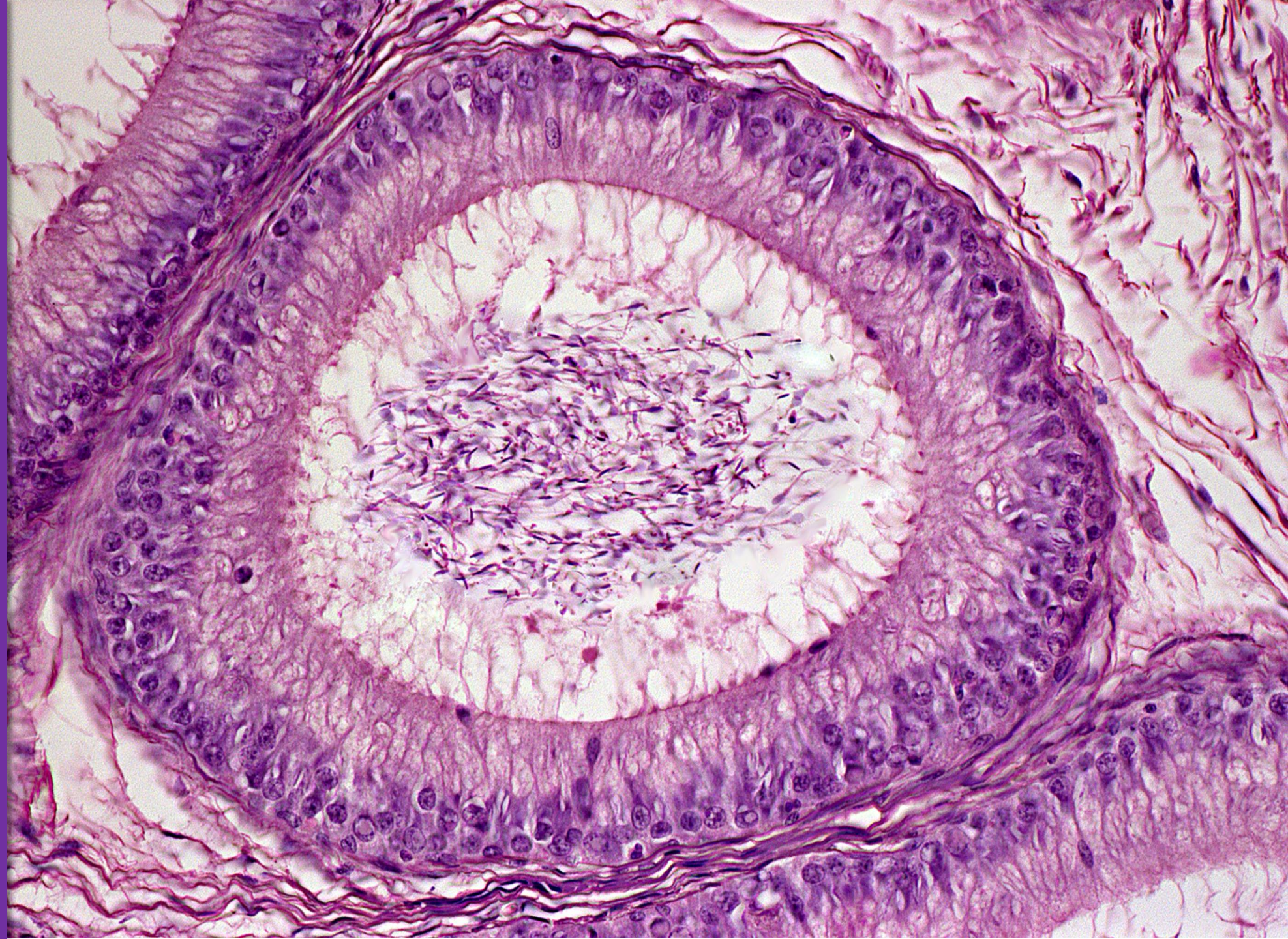
Membrana basalis

Stereocilium

PSEUDO-
STRATIFIED
EPITHELIUM
(EPIDIDYMIS)



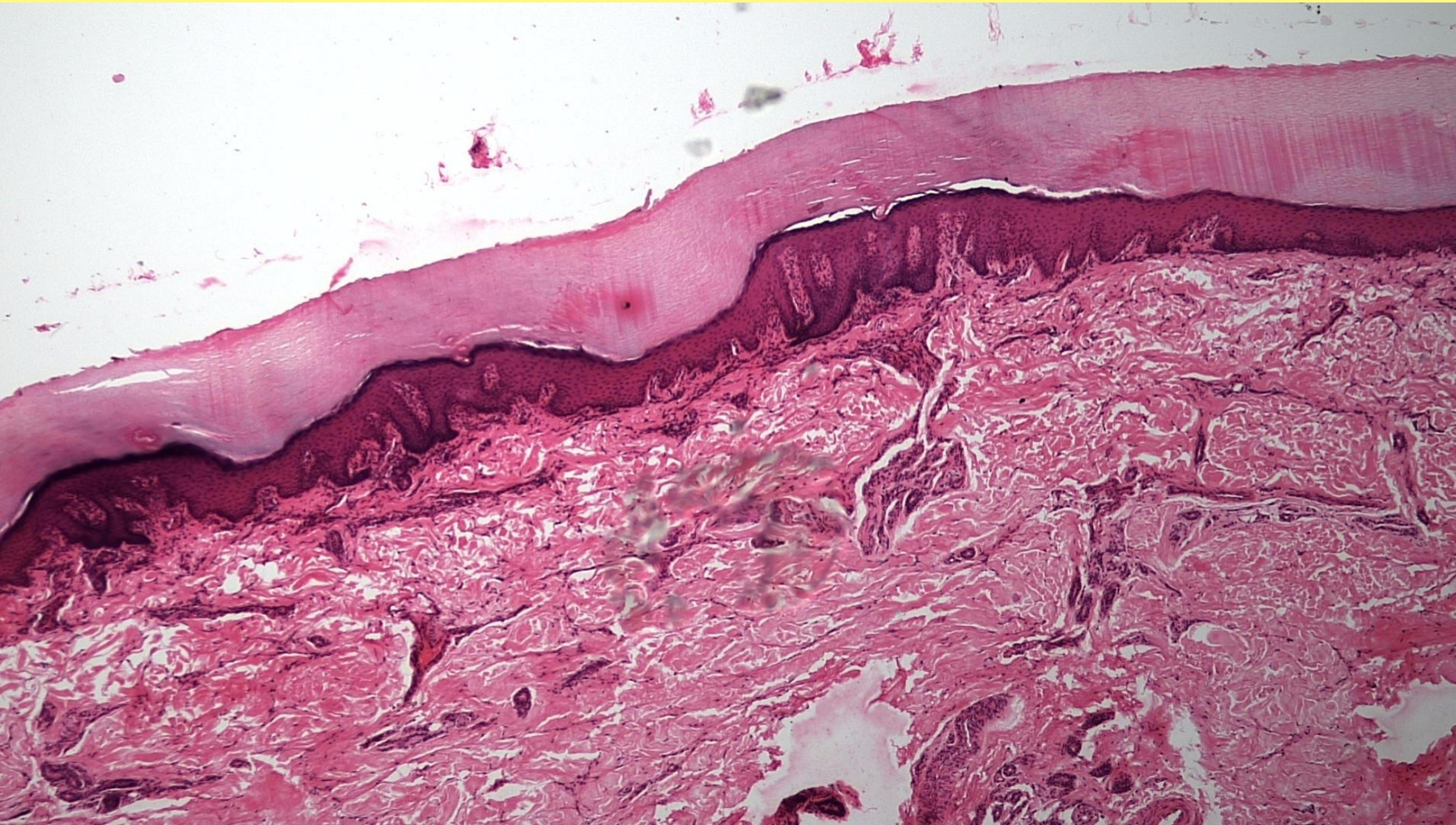
PSEUDO-
STRATIFIED
EPITHELIUM
(EPIDIDYMIS)



PSEUDO-
STRATIFIED
EPITHELIUM
(EPIDIDYMIS)

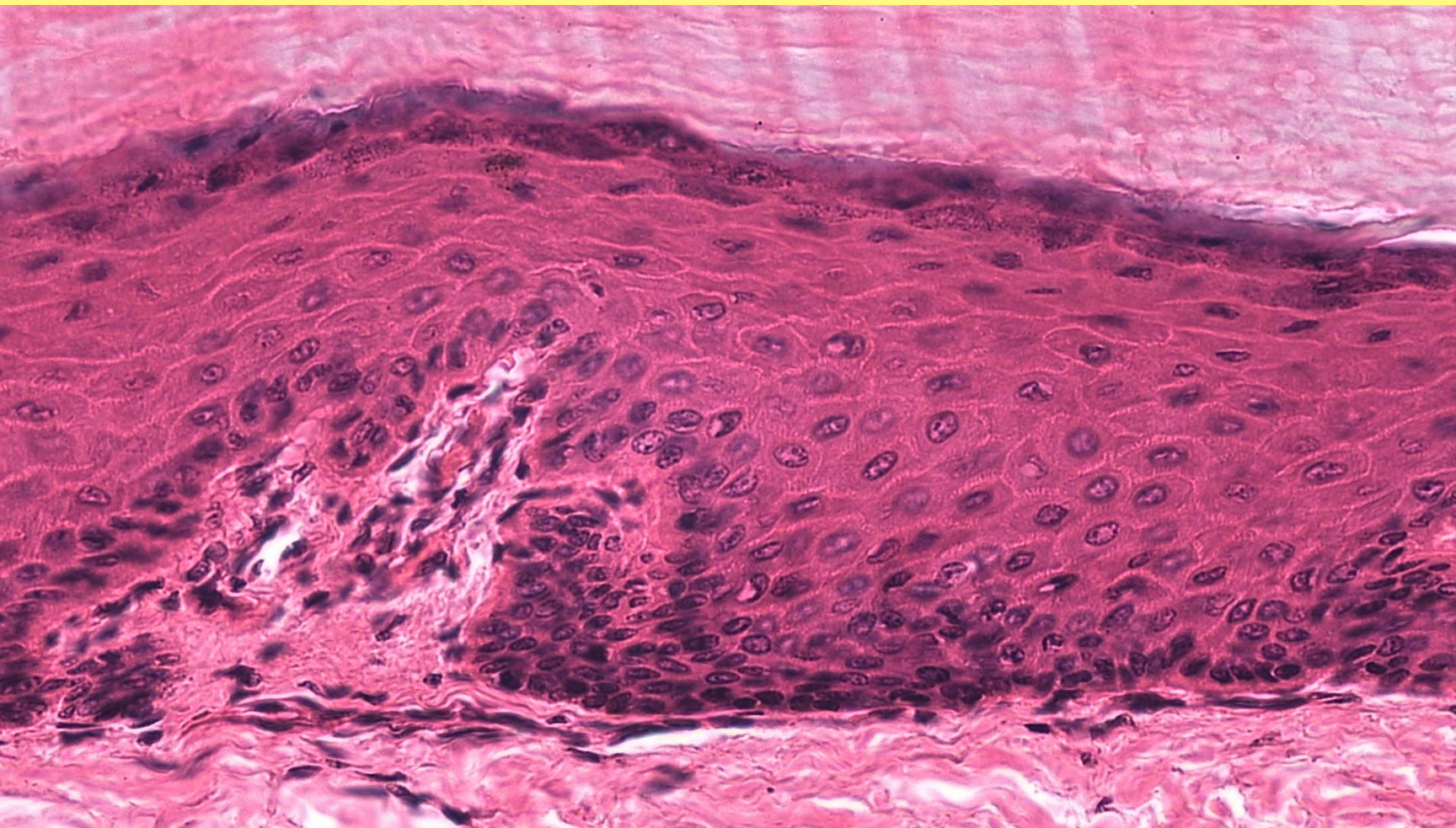


EPITHELIUM STRATIFICATUM SQUAMOSUM CORNIFICATUM

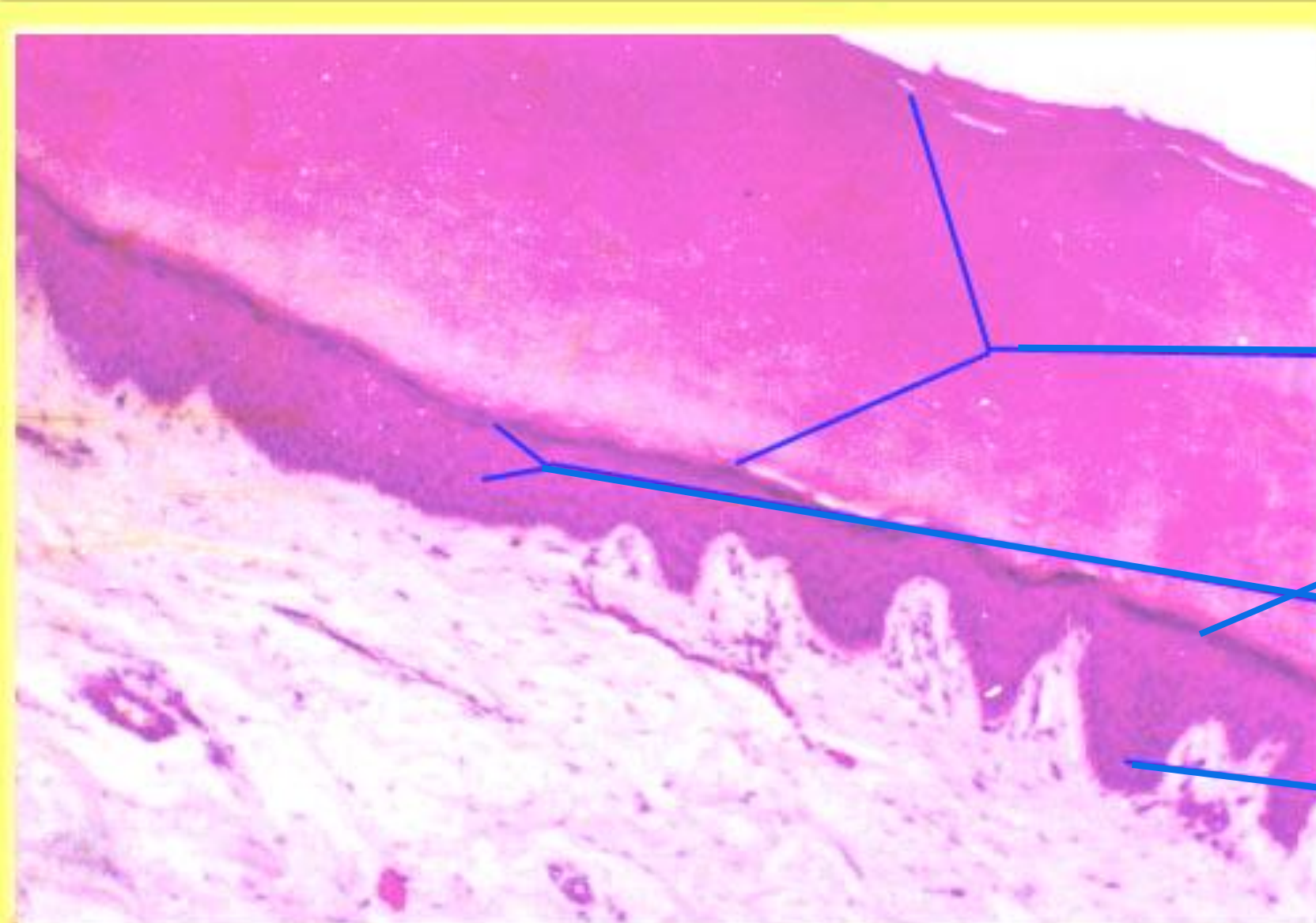


} epitel

EPITHELIUM STRATIFICATUM SQUAMOSUM CORNIFICATUM



EPITHELIUM STRATIFICATUM SQUAMOSUM CORNIFICATUM



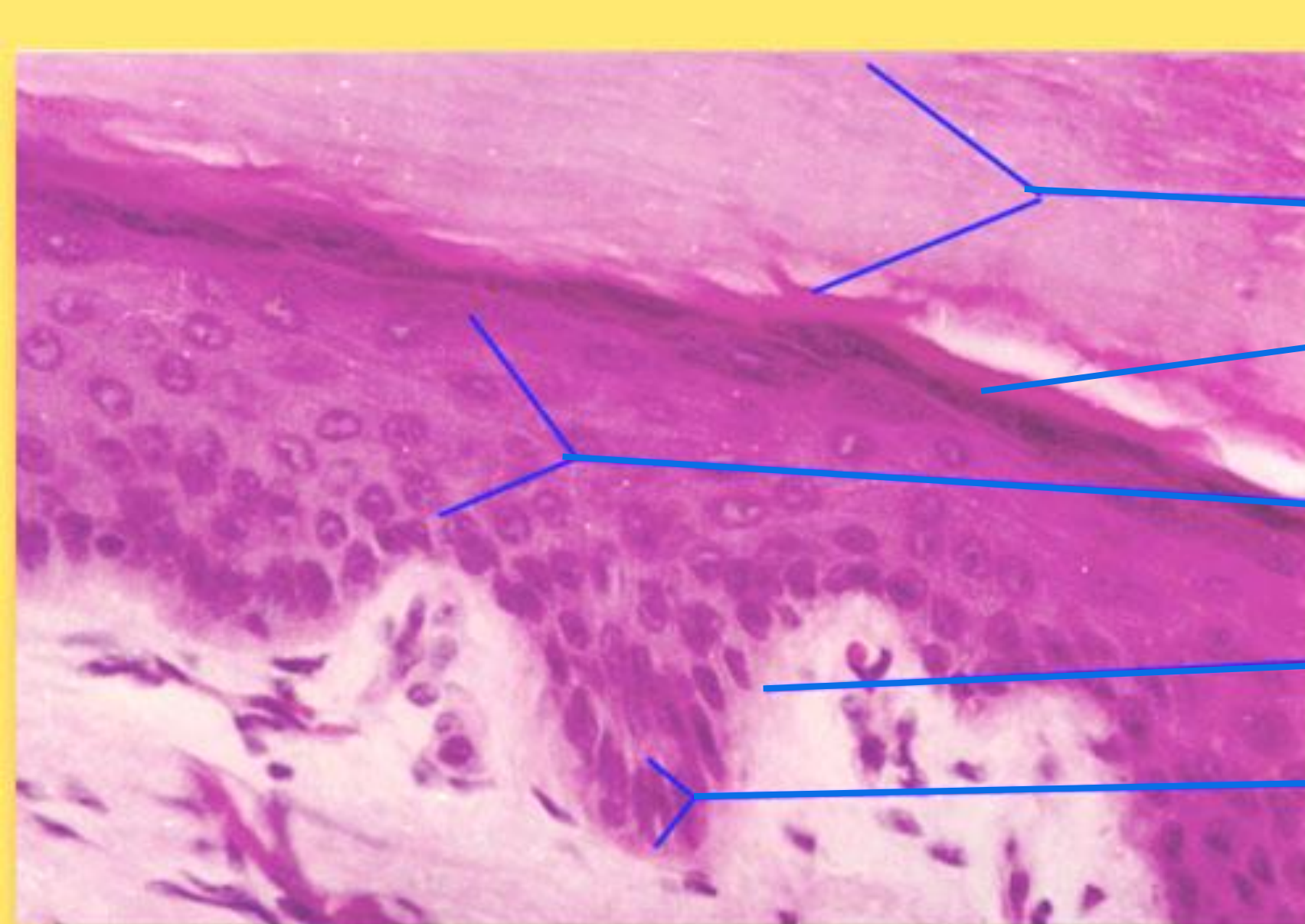
Stratum cornificatum

Stratum superficiale

Stratum intermedium

Stratum basale

EPITHELIUM STRATIFICATUM SQUAMOSUM CORNIFICATUM



Stratum cornificatum

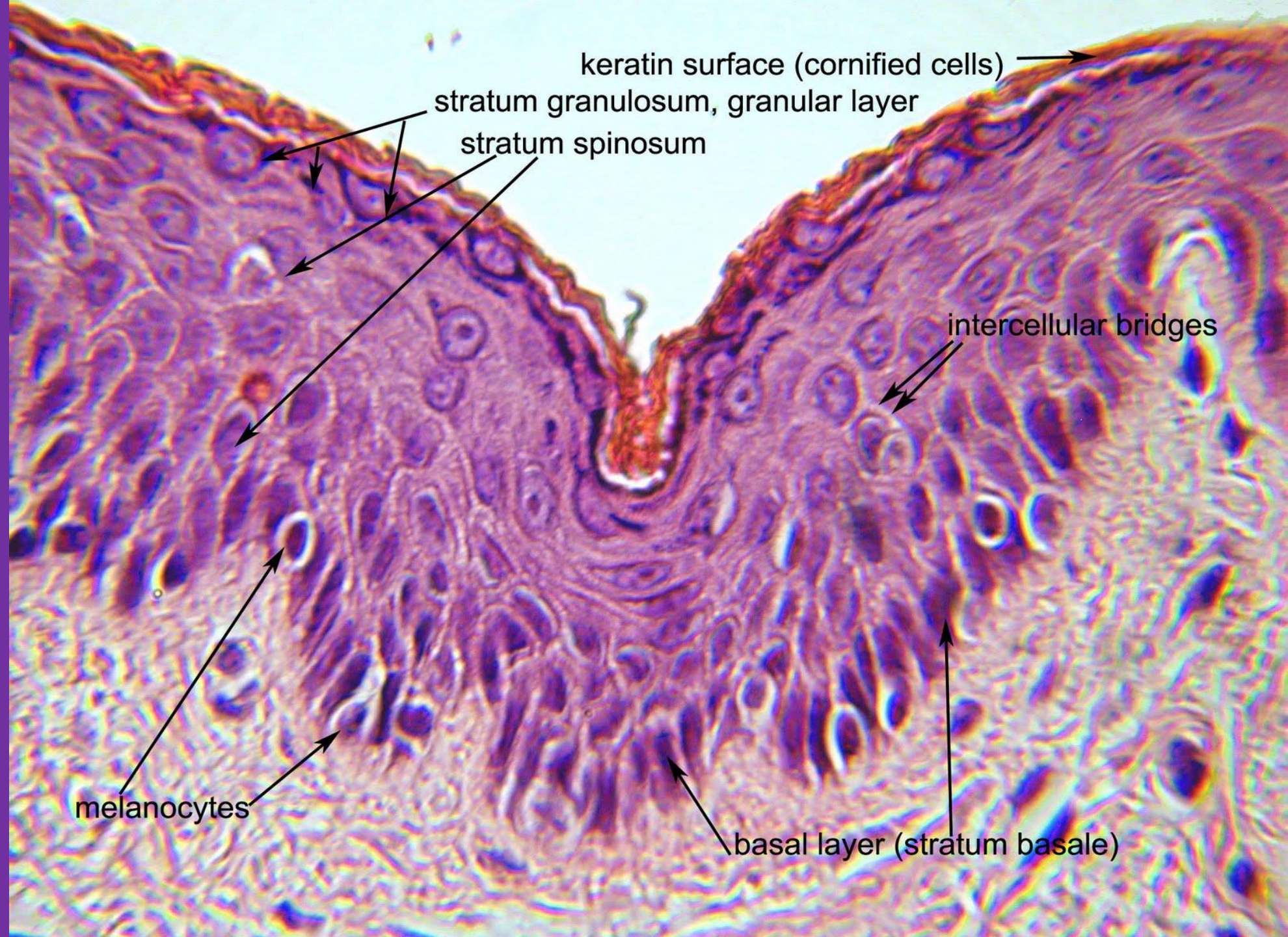
Stratum superficiale

Stratum intermedium

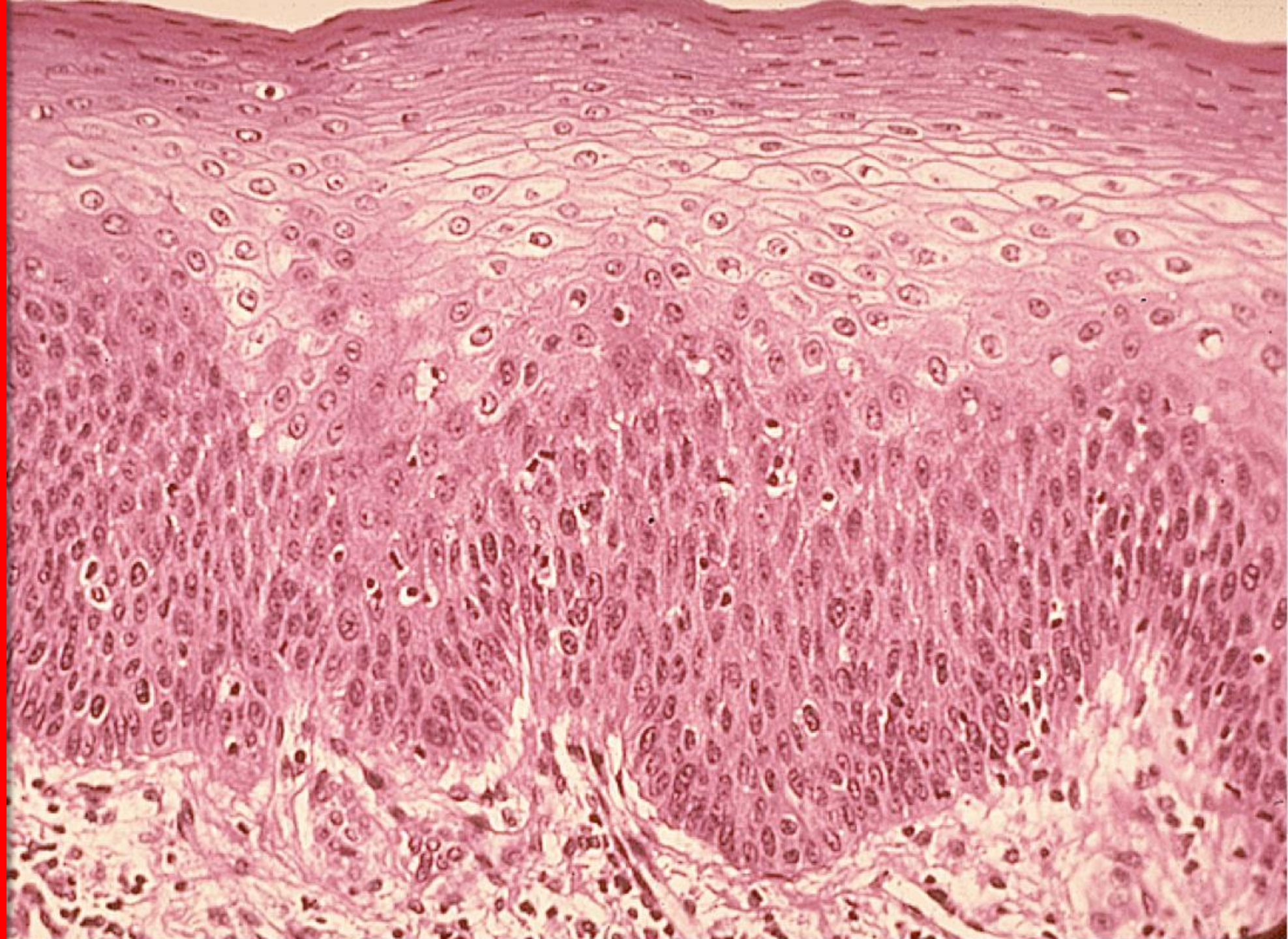
Membrana basalis

Stratum basale

STRATIFIED
SQUAMOUS
EPITHELIUM,
KERATINIZED
(EPIDERMIS OF
PALMAR)



STRATIFIED
SQUAMOUS
EPITHELIUM,
KERATINIZED
(GENERAL EPIDERMIS)



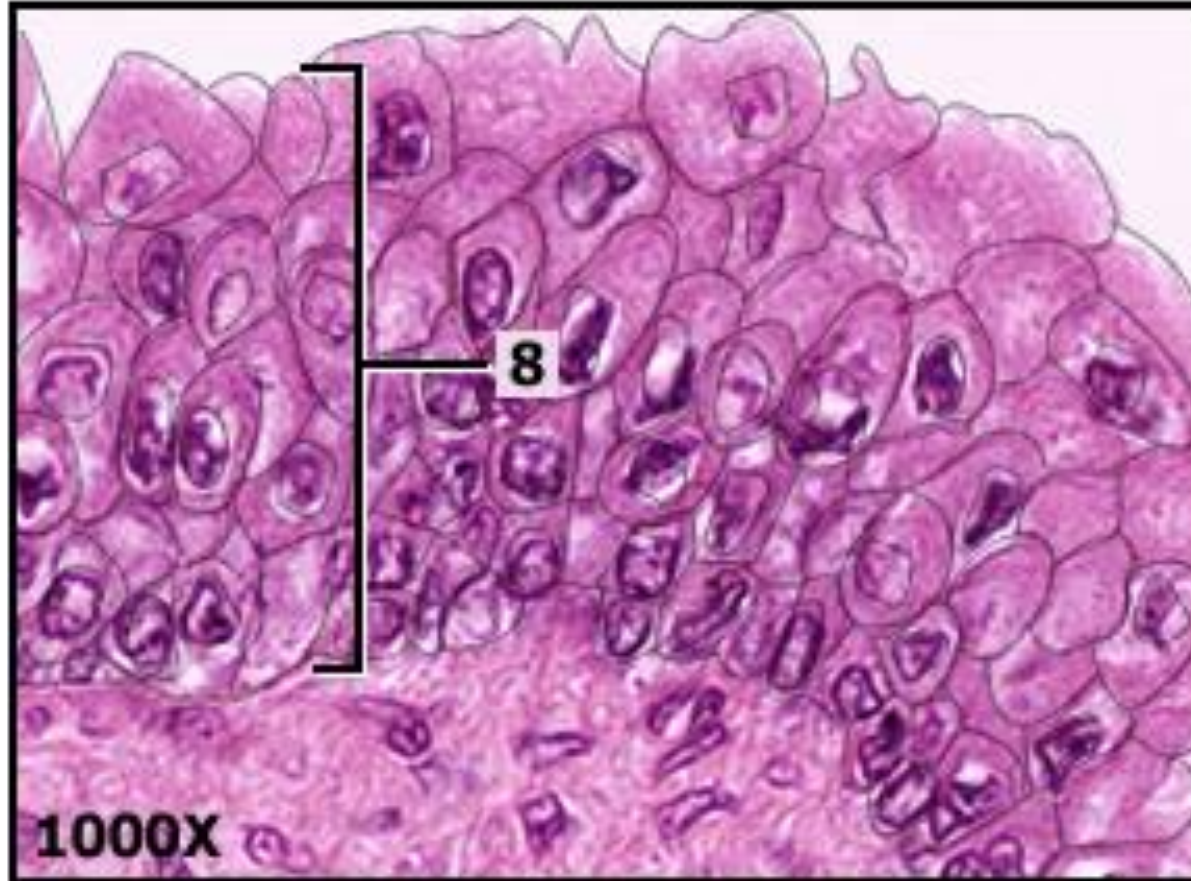
STRATIFIED
SQUAMOUS
EPITHELIUM,
NON-
KERATINIZED
(ESOPHAGUS)



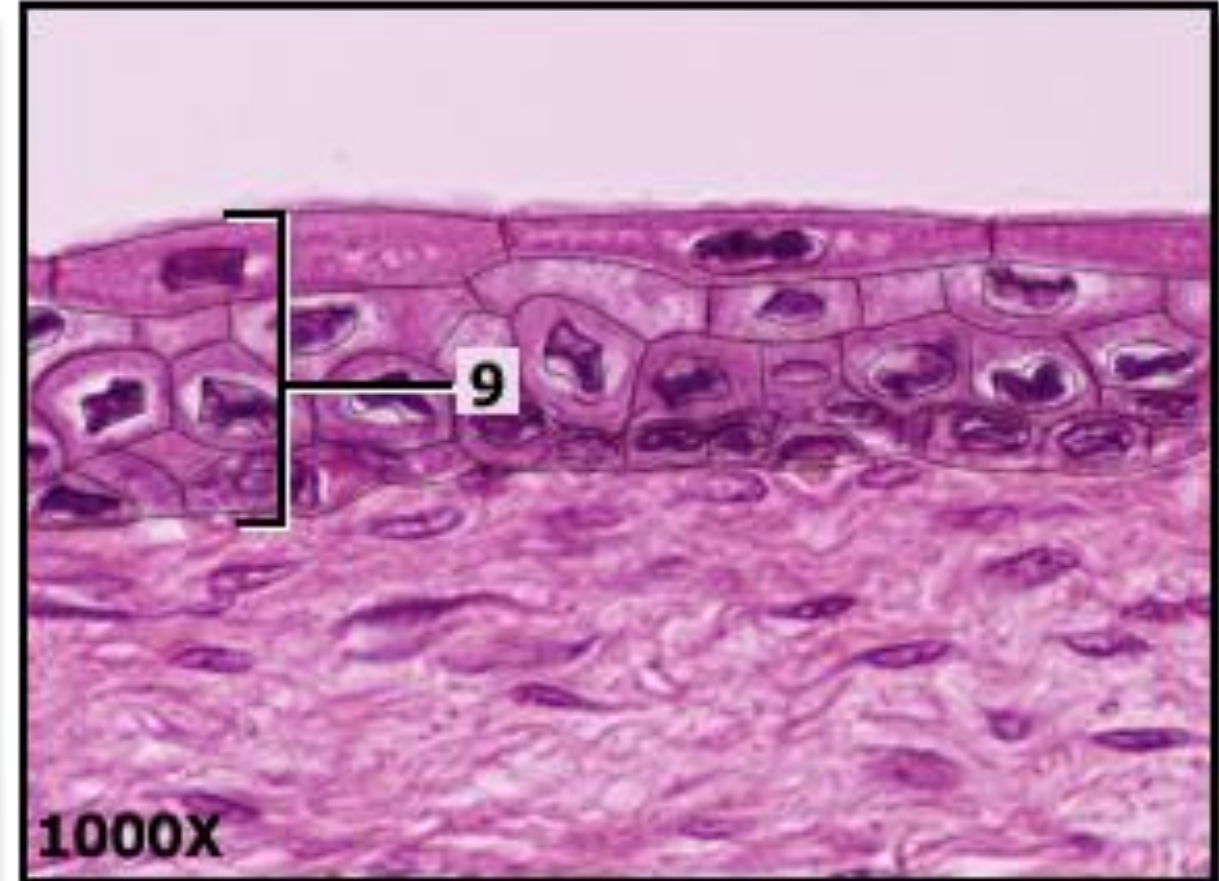
Stratified squamous epithelium, non-keratinized

EPITHELIUM TRANSITIONALE

Epithelium - Collapsed



Epithelium - Distended

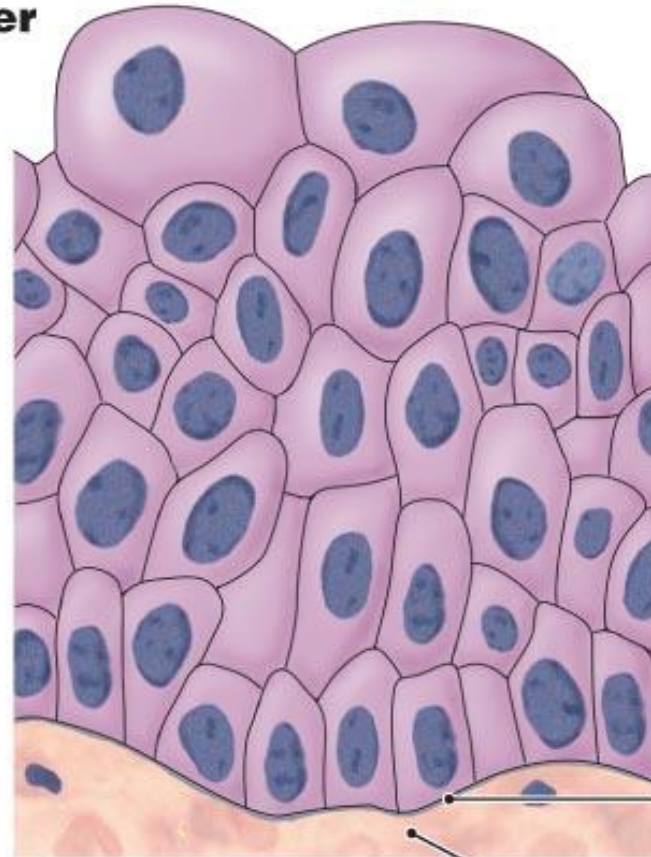
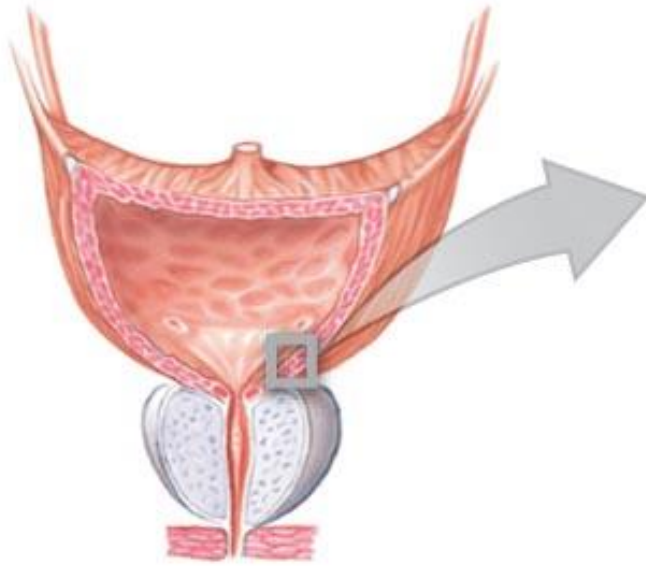


EPITHELIUM TRANSITIONALE

The transitional epithelium in an empty and a full urinary bladder

Epithelium in a Relaxed Bladder

In an empty urinary bladder, the superficial cells are cuboidal with a dome-shaped surface.

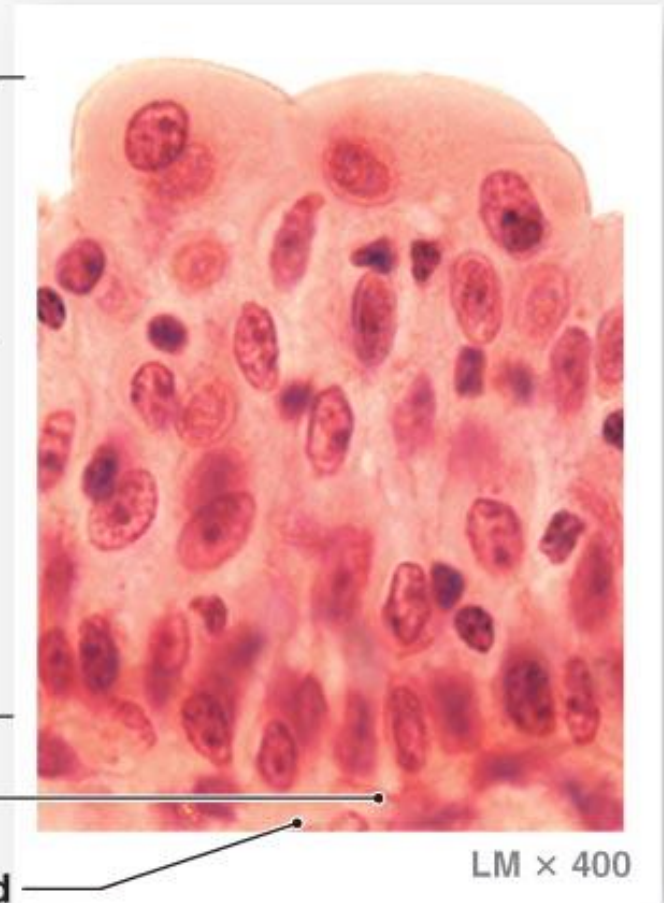


Relaxed bladder

Epithelium
(relaxed)

Basal lamina

Connective tissue and
smooth muscle layers

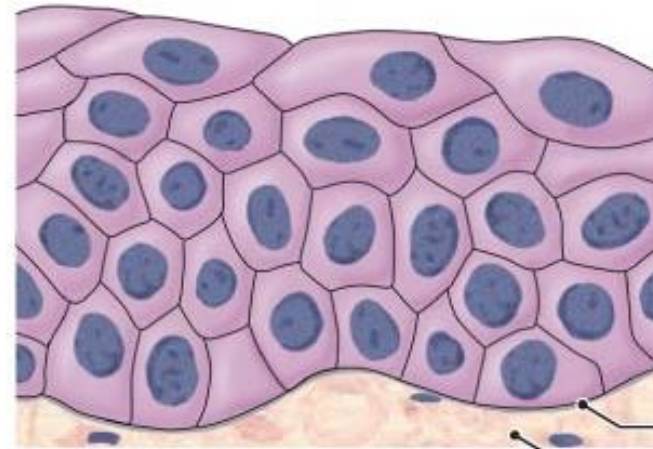
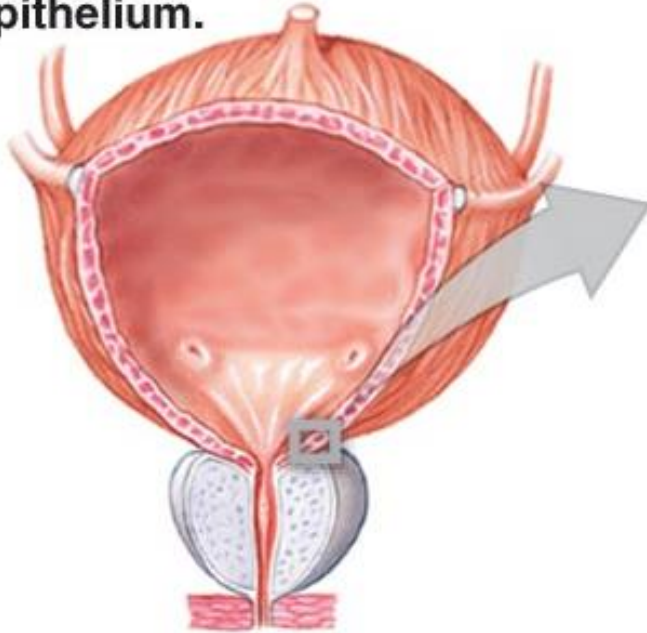


LM x 400

EPITHELIUM TRANSITIONALE

Epithelium in a Stretched Bladder

When the urinary bladder is full, the volume of urine has stretched the lining to such a degree that the epithelium appears flattened, and more like a stratified squamous epithelium.



Stretched bladder

Epithelium
(stretched)

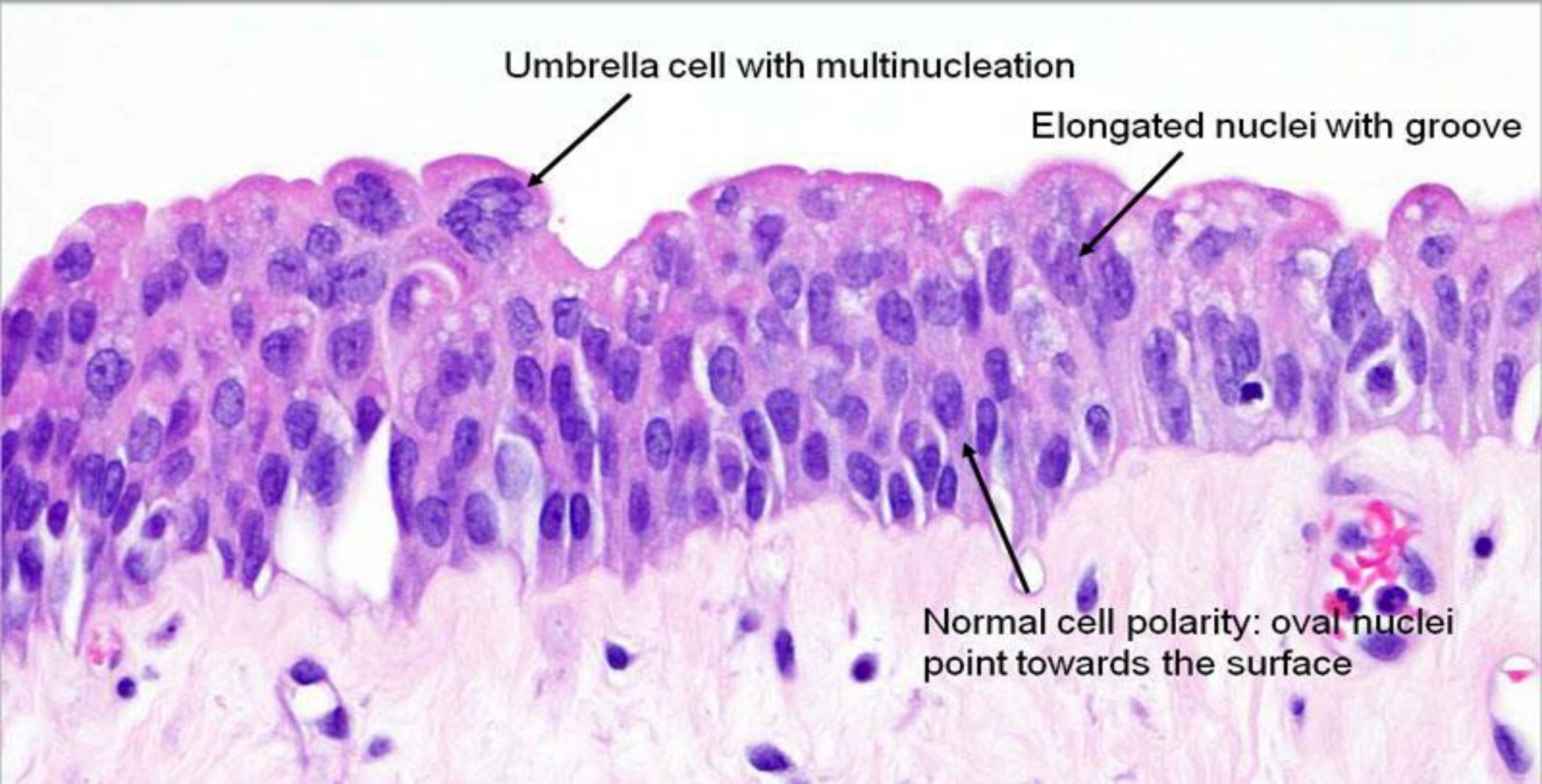
Basal lamina

Connective tissue and
smooth muscle layers



LM x 400

EPITHELIUM TRANSITIONALE



TRANSITIONAL EPITHELIUM (URINARY BLADDER)

