

430 HISTOLOGY TEAM

Histology of Reproductive Block

WAAD ALWGAIT

RAWAN ALSULTAN



FALLOPIAN TUBE

Mucosa:

Highly folded Simple Columnar epithelium, partially ciliated.



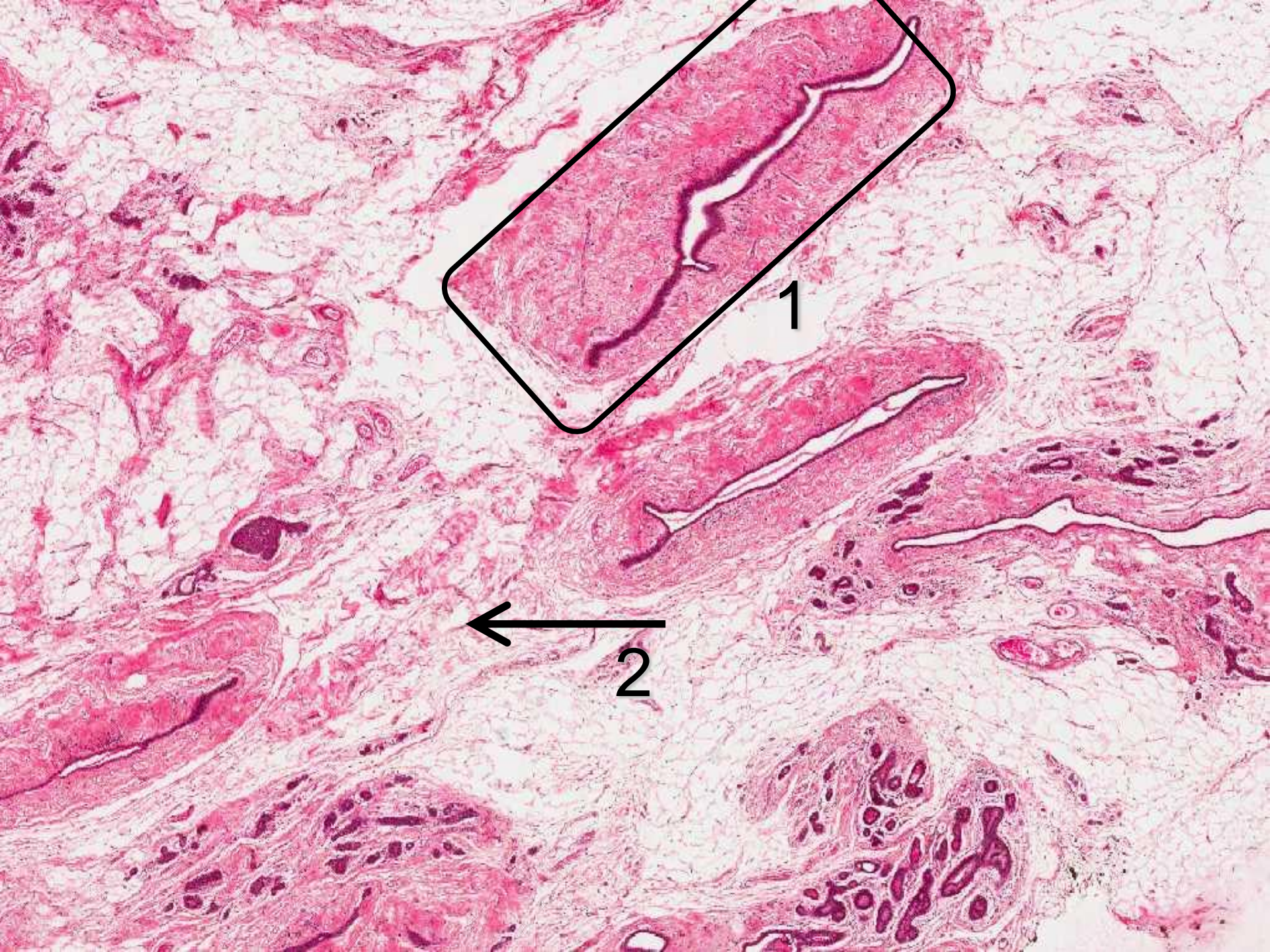
FALLOPIAN TUBE

1-Mucosa:

Highly folded Simple Columnar Epithelium, partially ciliated.

2-Musculosa

3-Serosa



INACTIVE MAMMARY GLAND

1-Section of duct

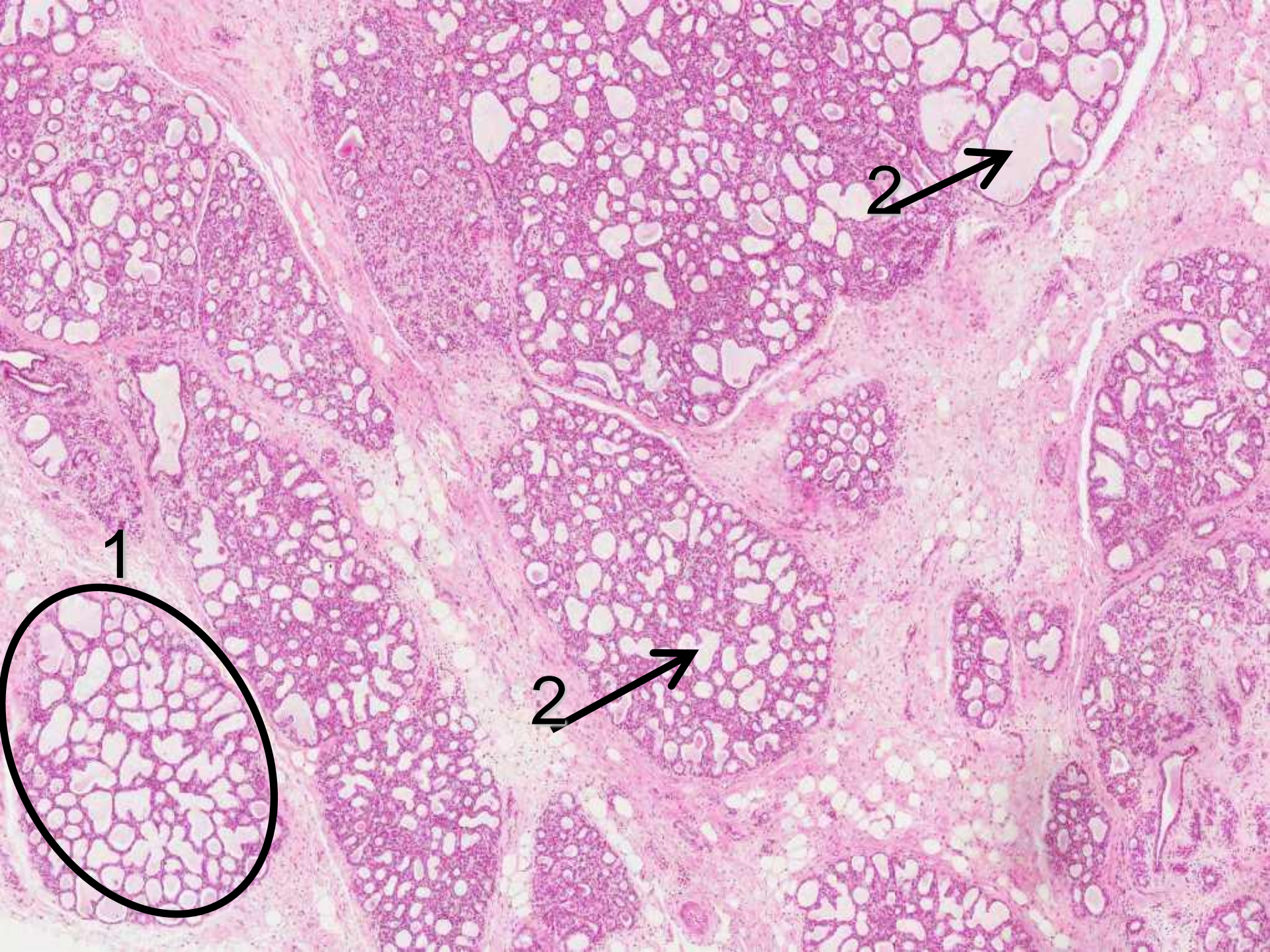
(lined with simple cuboidal epithelium)

2-Collections of adipose tissue.



INACTIVE MAMMARY GLAND

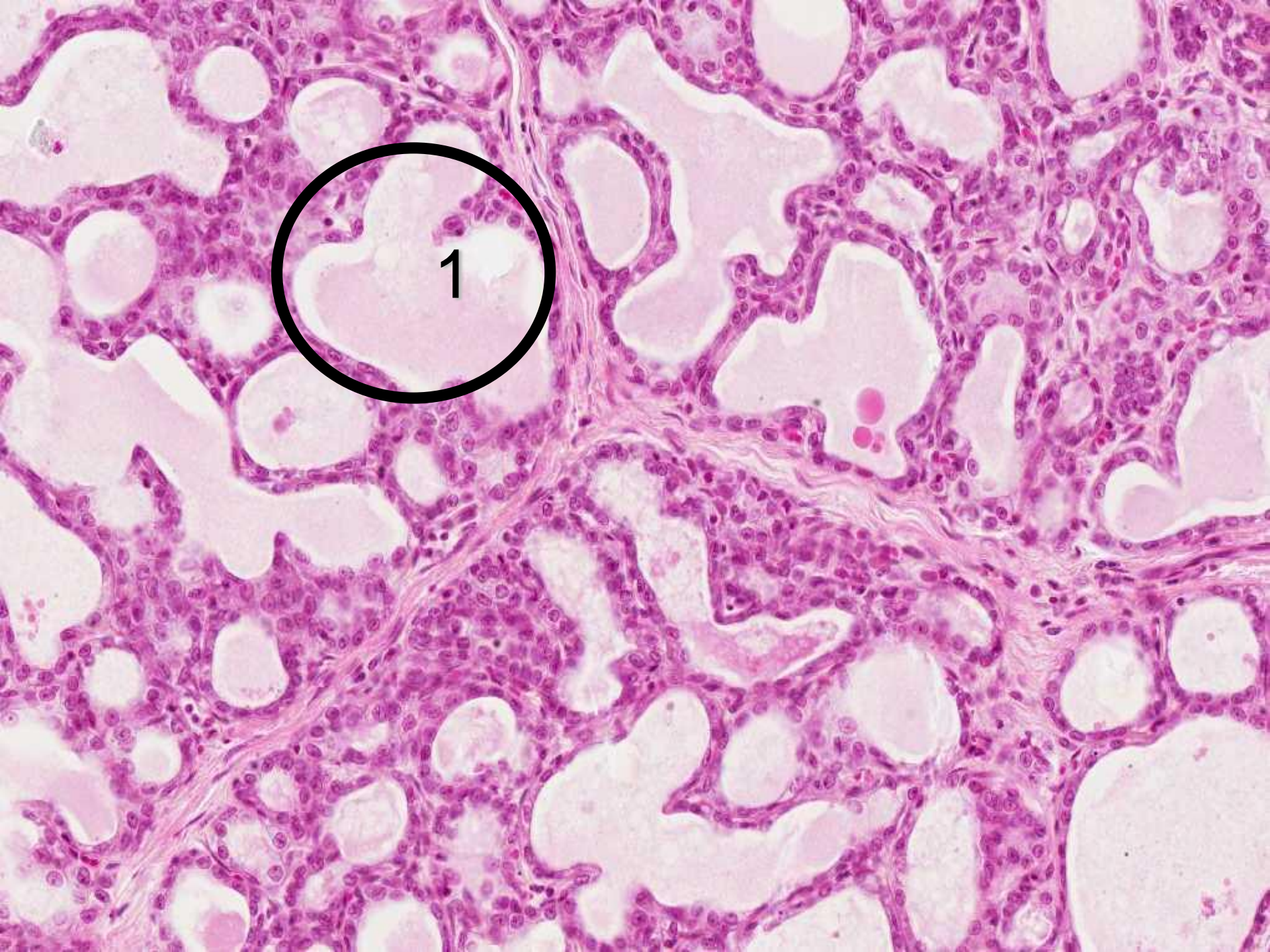
- 1-Section of duct.**
- 2-Collections of adipose tissue.**
- 3-Septa in between ducts.**



LACTATING MAMMARY GLAND

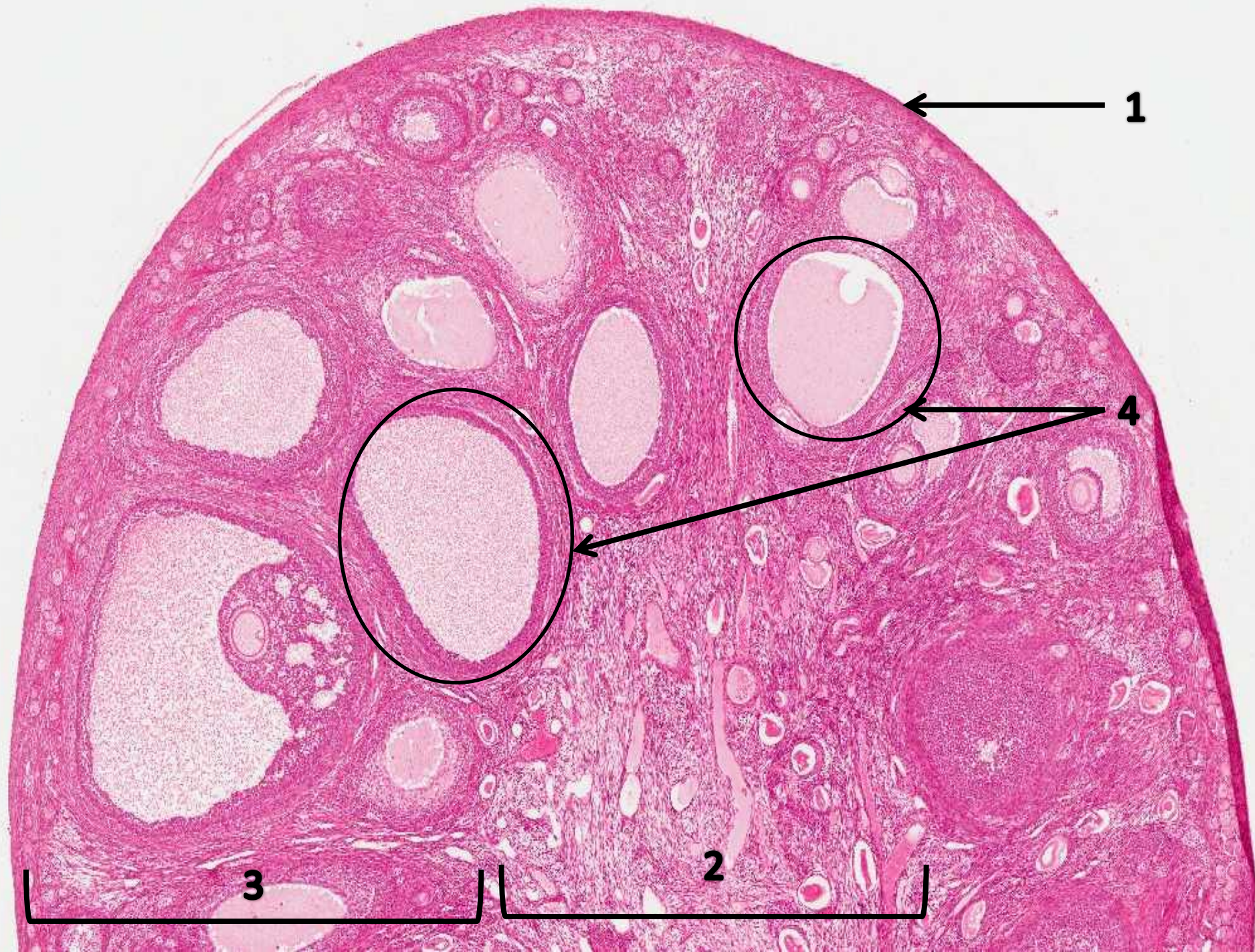
1-Lobules of the gland.

2-End secretory units (alveoli of Lactating mammary gland).



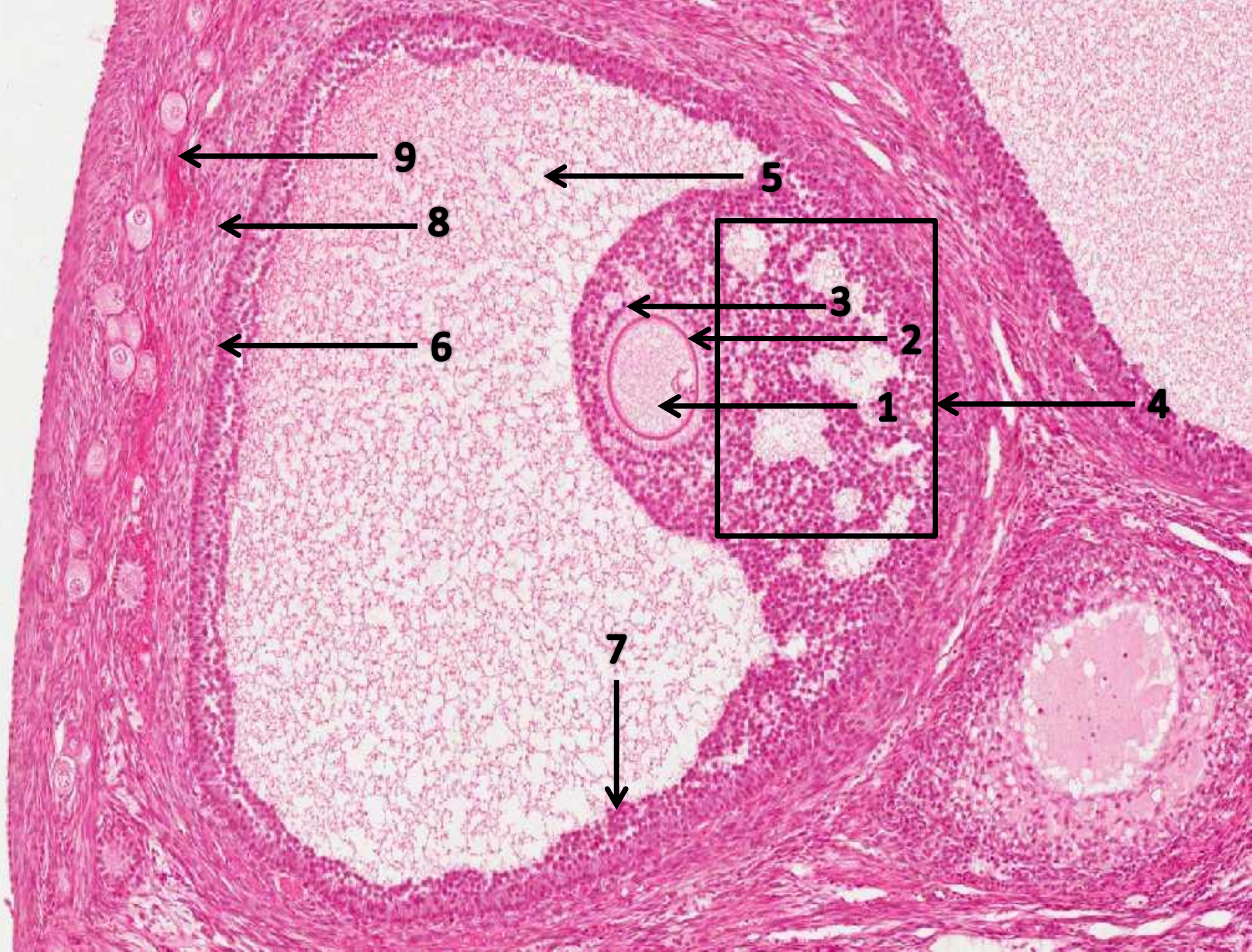
LACTATING MAMMARY GLAND

1- Distended alveoli of Lactating mammary gland with milk, Lined with simple cuboidal epithelium



Ovary

- 1- Germinal epithelium.**
- 2- Medulla.**
- 3- Cortex.**
- 4- Follicles.**

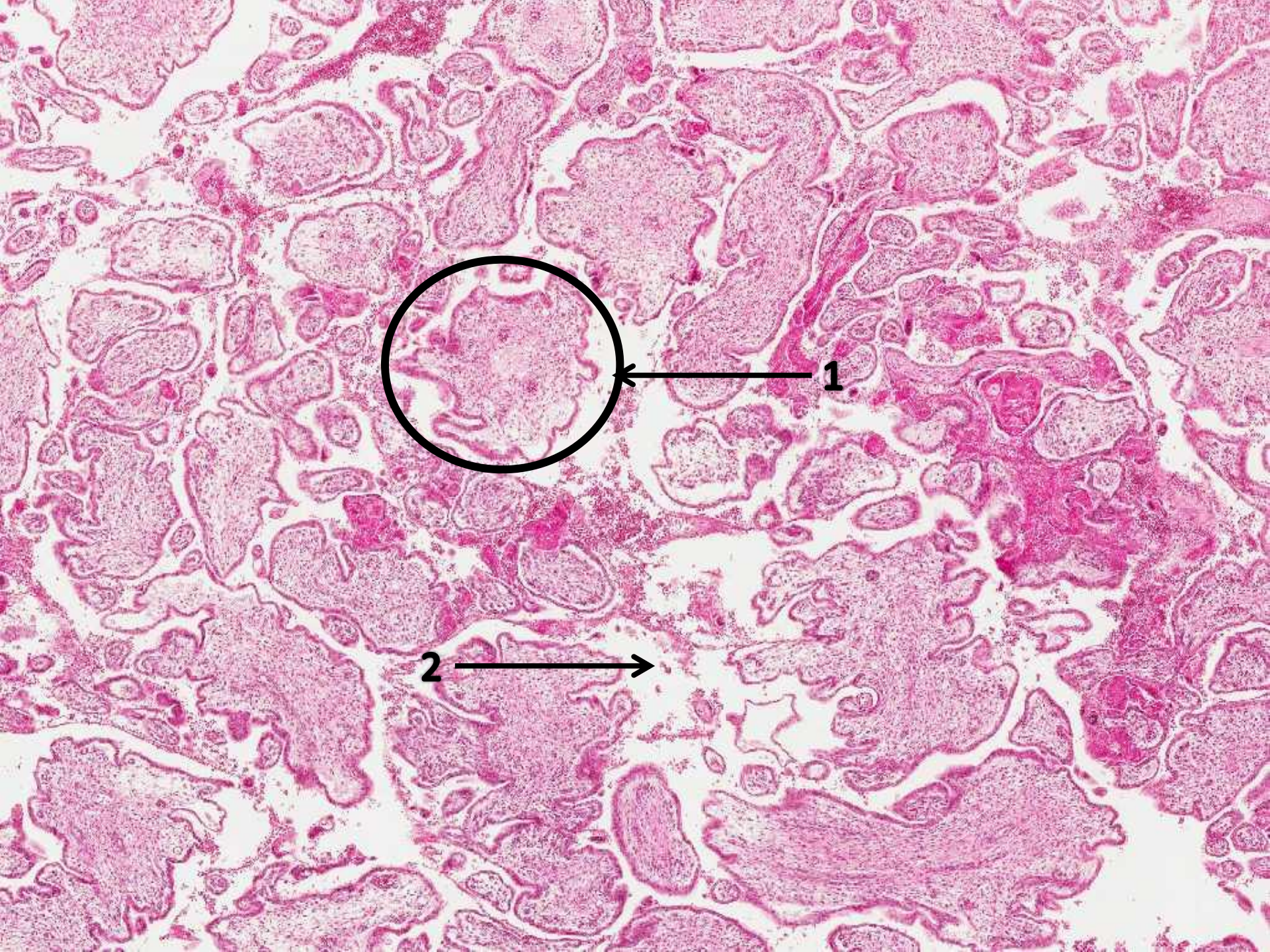


Graafian follicle

- 1-Oocyte**
- 2- Zona pellucida**
- 3- Corona radiata**
- 4- Cumulus oophorus**
- 5-Follicular fluid (antrum)**
- 6- Basal membrane**
- 7-Membrana granulosa**
- 8- Theca interna**
- 9- Theca externa**

- ✓ Identified as mature follicle because it has one large central antrum
- ✓ We can't draw the outer margin of theca externa because it's continuous with the ovarian tissue

Name 3 structures of mature follicle.

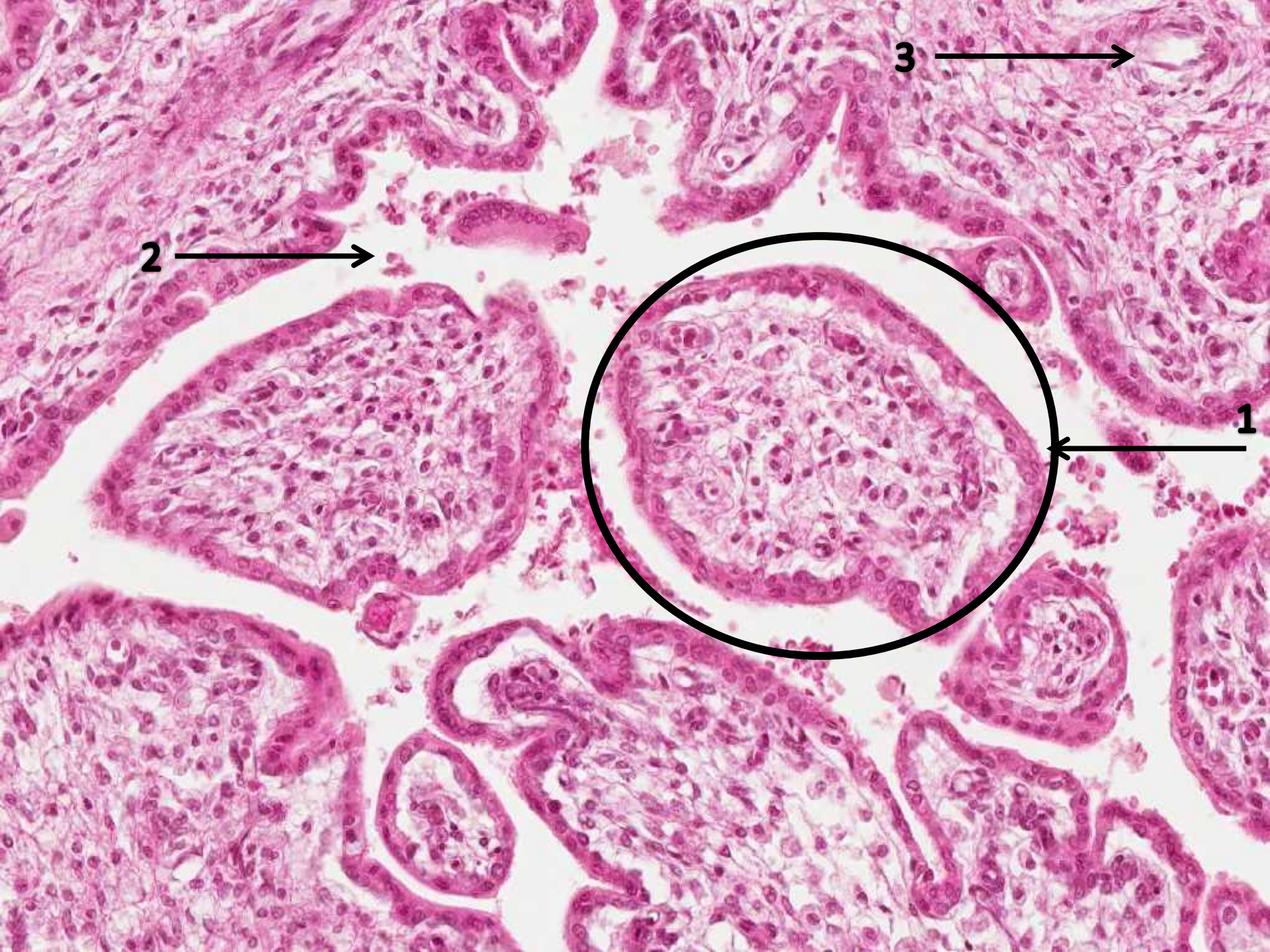


Placenta

1- Villi

(lined by trophoblast – syncytiotrophoblast & cytotrophoblast)

2- Maternal blood



Placenta

1- Villi

(lined by trophoblast – syncytiotrophoblast & cytotrophoblast)

2- Maternal blood

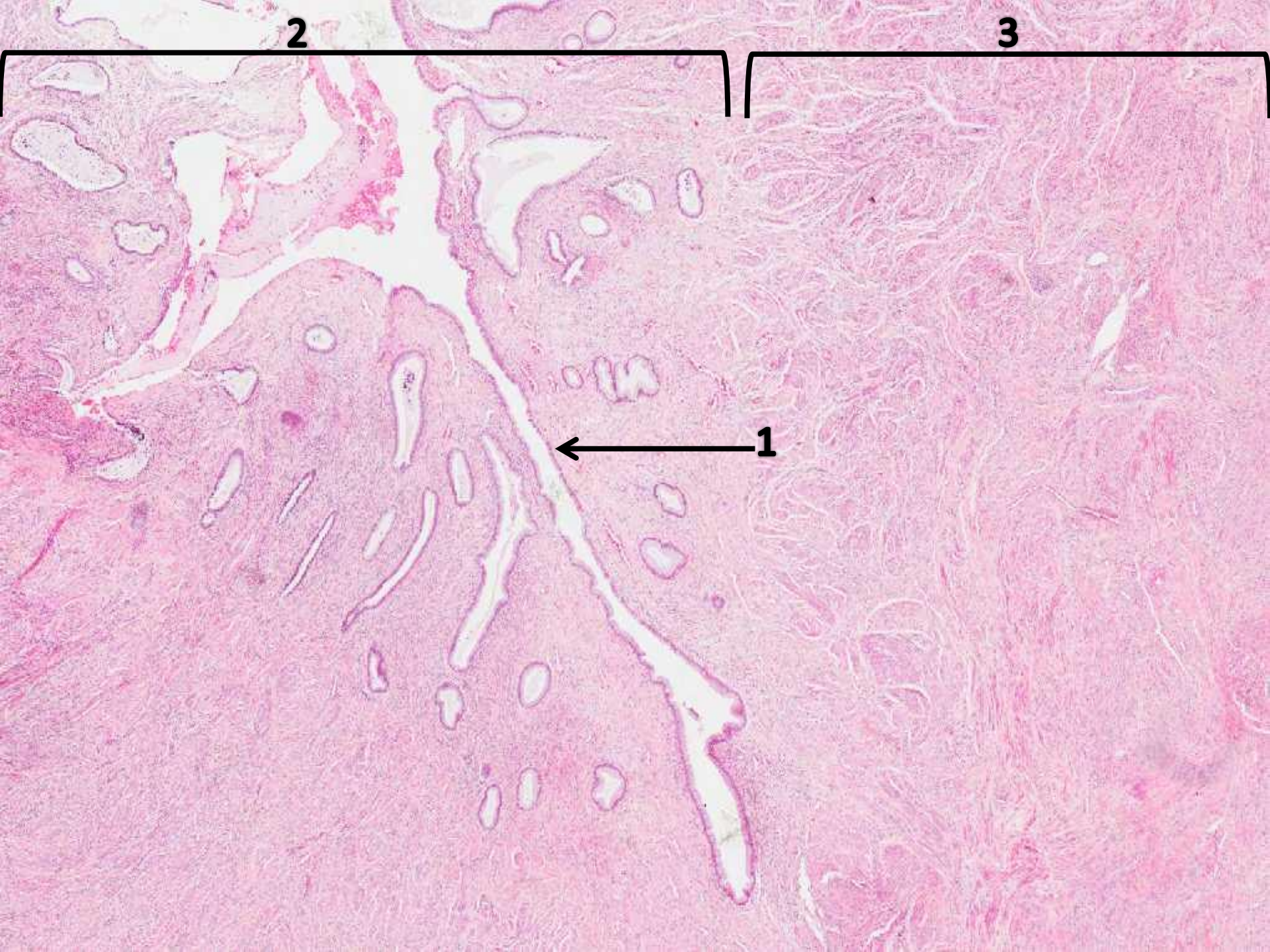
3- Fetal blood vessel

What are the cells that appear in early pregnancy?

(syncytiotrophoblast & cytotrophoblast)

Late pregnancy?

syncytiotrophoblast

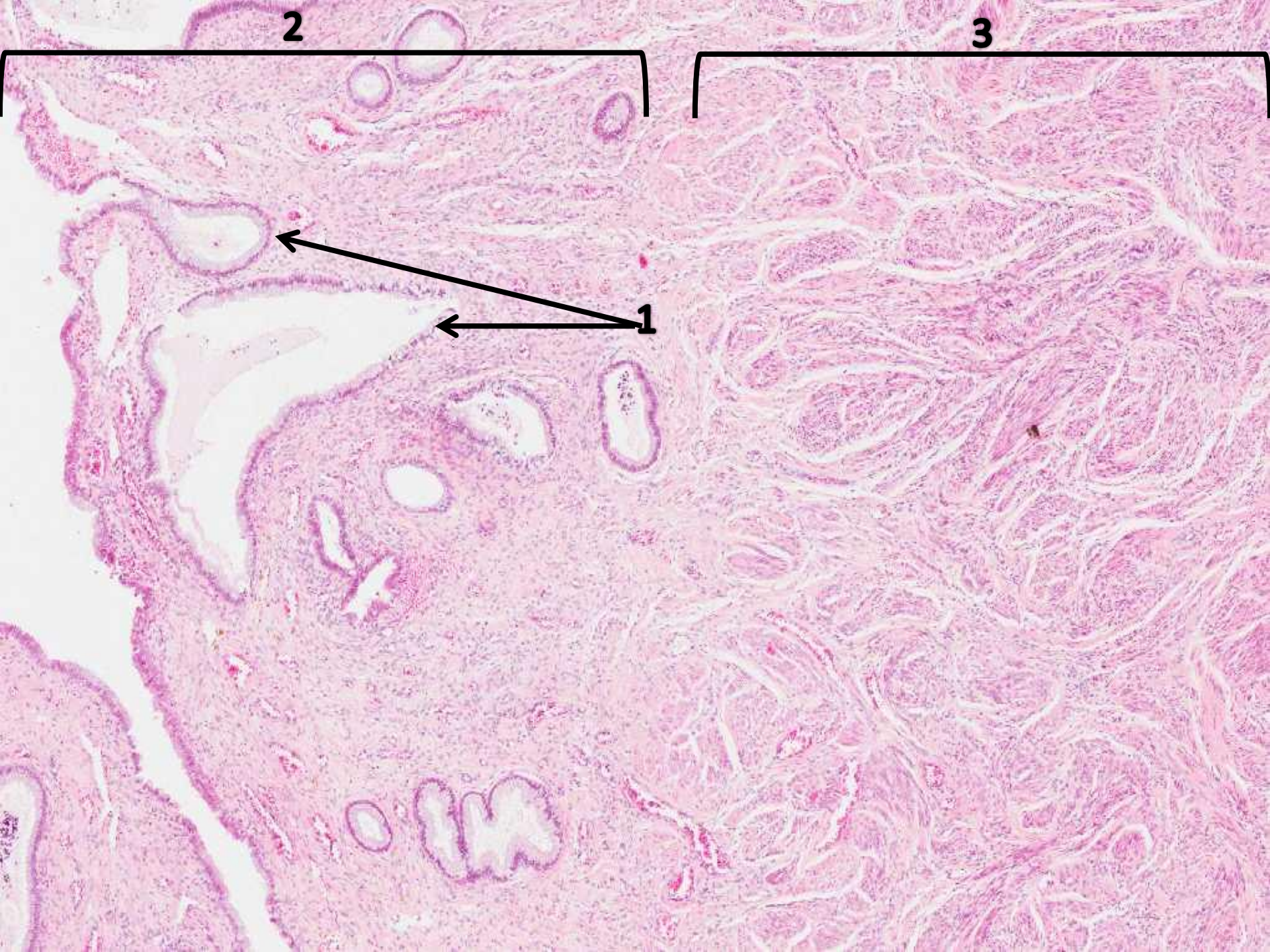


Uterus (uterine wall)

Epithelium: simple columnar partially ciliated
(endometrial gland) **1- Uterine gland:** Lined by
simple columnar secretory epithelium

2- Endometrium

3- Myometrium



Uterus

Epithelium: simple columnar partially ciliated
(endometrial gland) **1- Uterine gland** :Lined by
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Good Luck

APPROVED BY : Dr.Raeesa