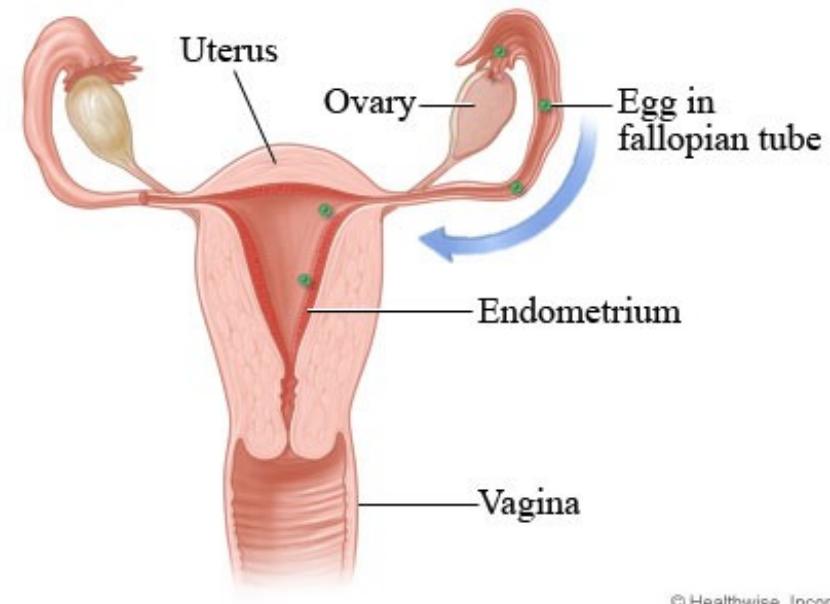




FEMALE REPRODUCTIVE SYSTEM I

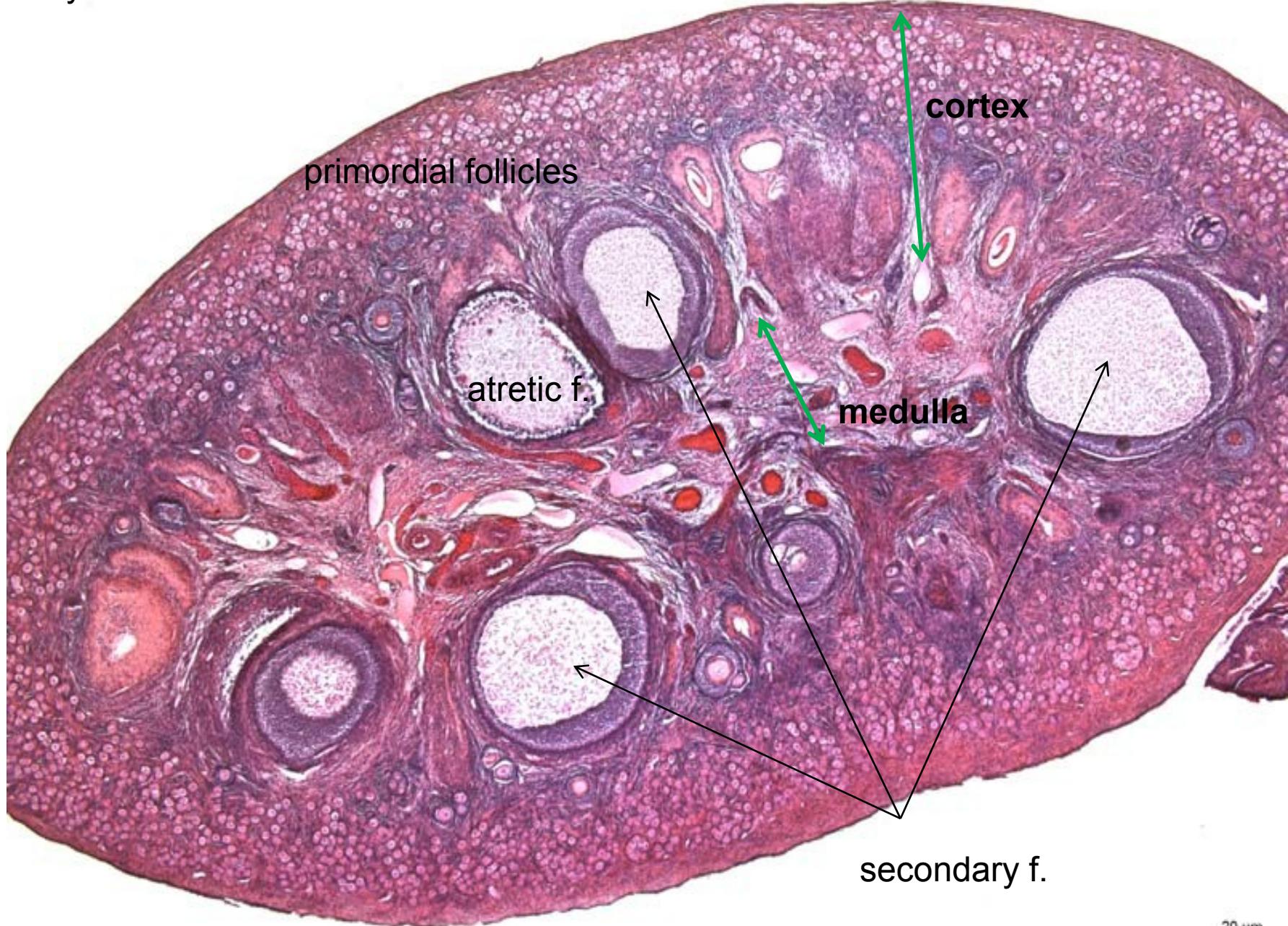
- **ovary** (ovarium, oophoron)
- **oviduct** (tuba uterina, tuba Fallopii, salpinx)
- **uterus** (uterus, metra, hystera)



ovary-human

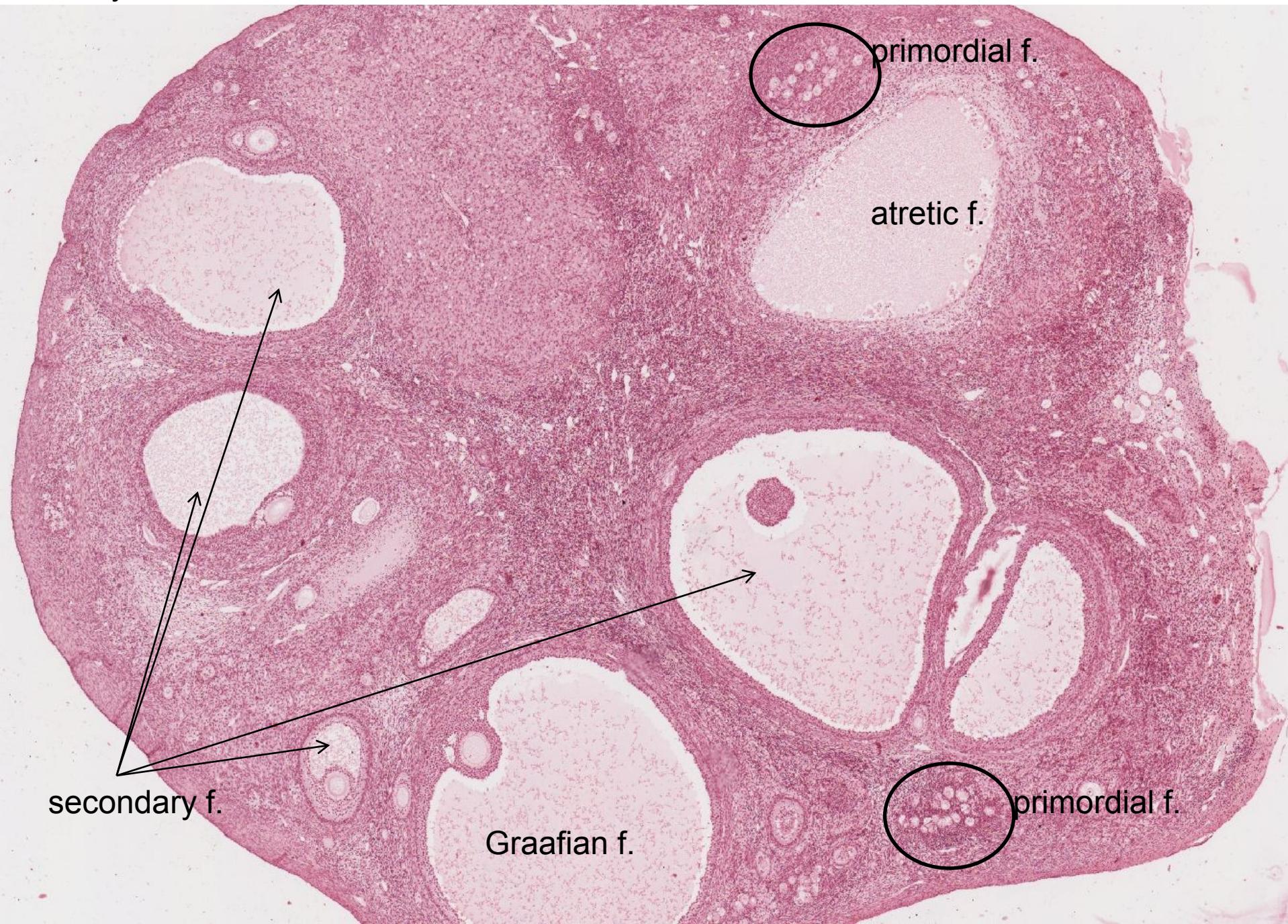


ovary-cat



20 μm

ovary-cat

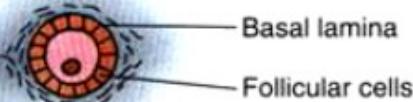


primordial and primary unilaminar follicles

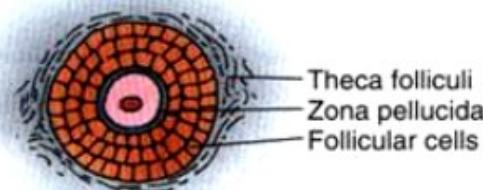
Primordial follicle



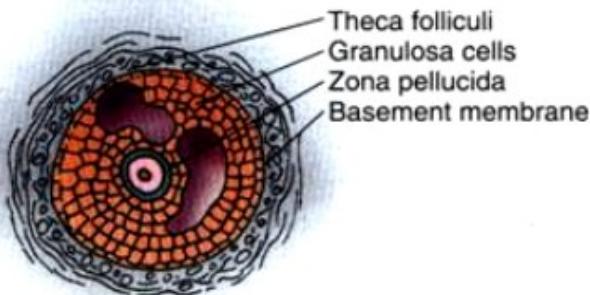
Primary follicle



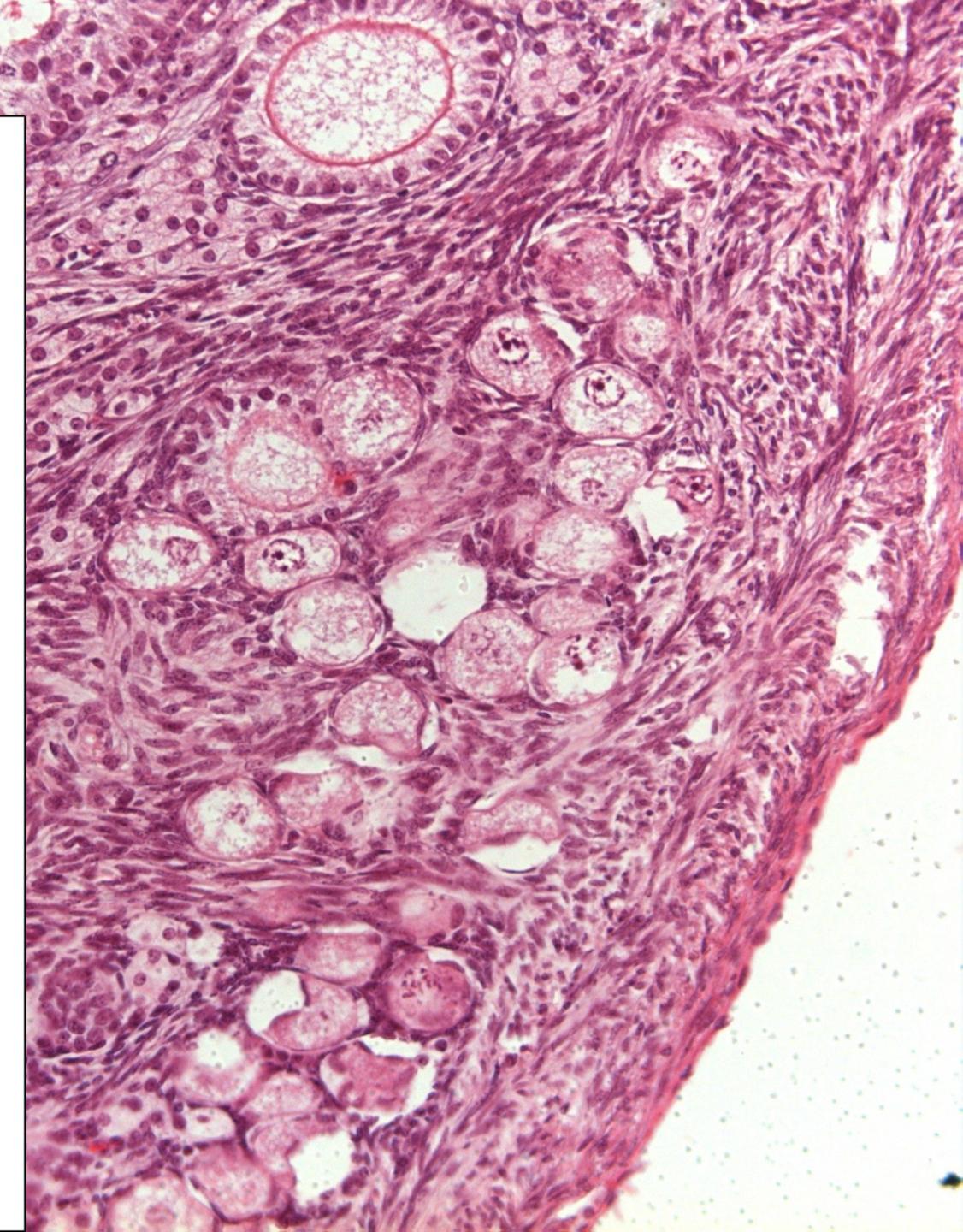
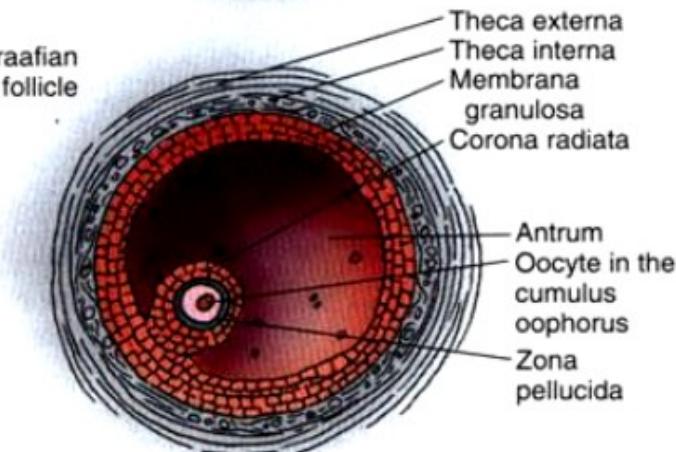
Multilaminar primary follicle



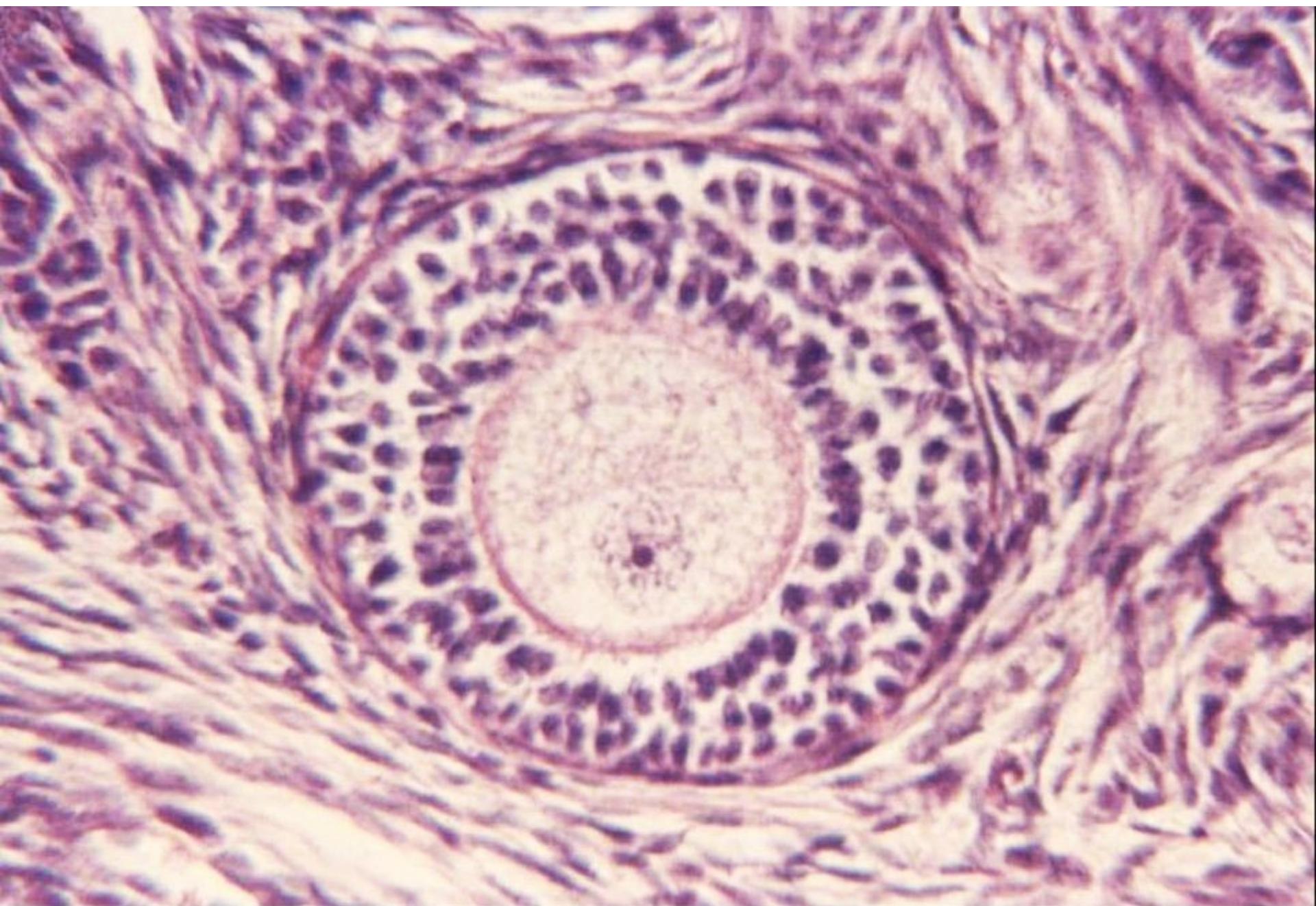
Secondary follicle



Graafian follicle



primary multilaminar follicle



ovarian follicle -TEM

fibroblasts

venule

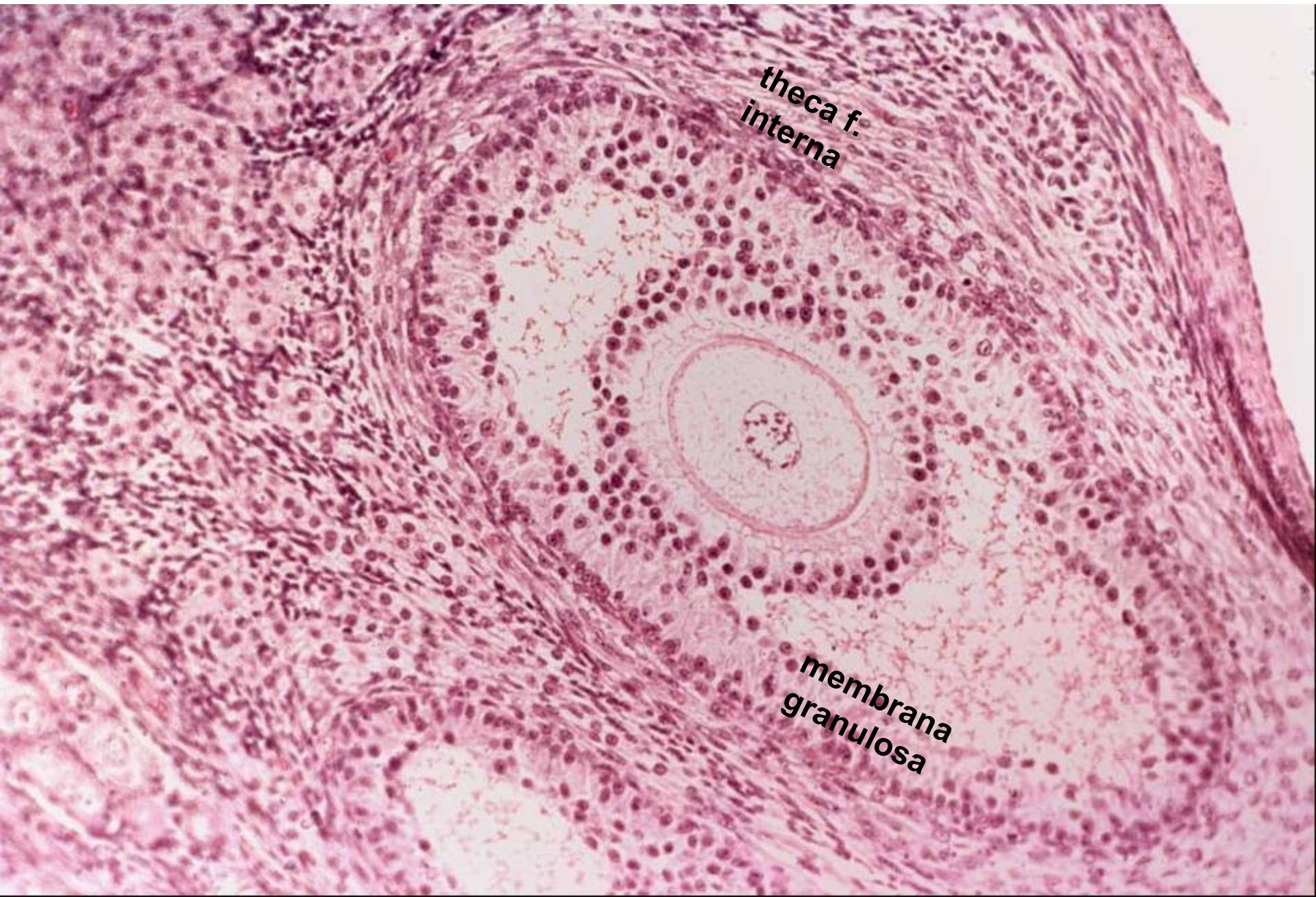
follicular cells

oocyte
cytoplasm

oocyte
nucleus

2 μ m

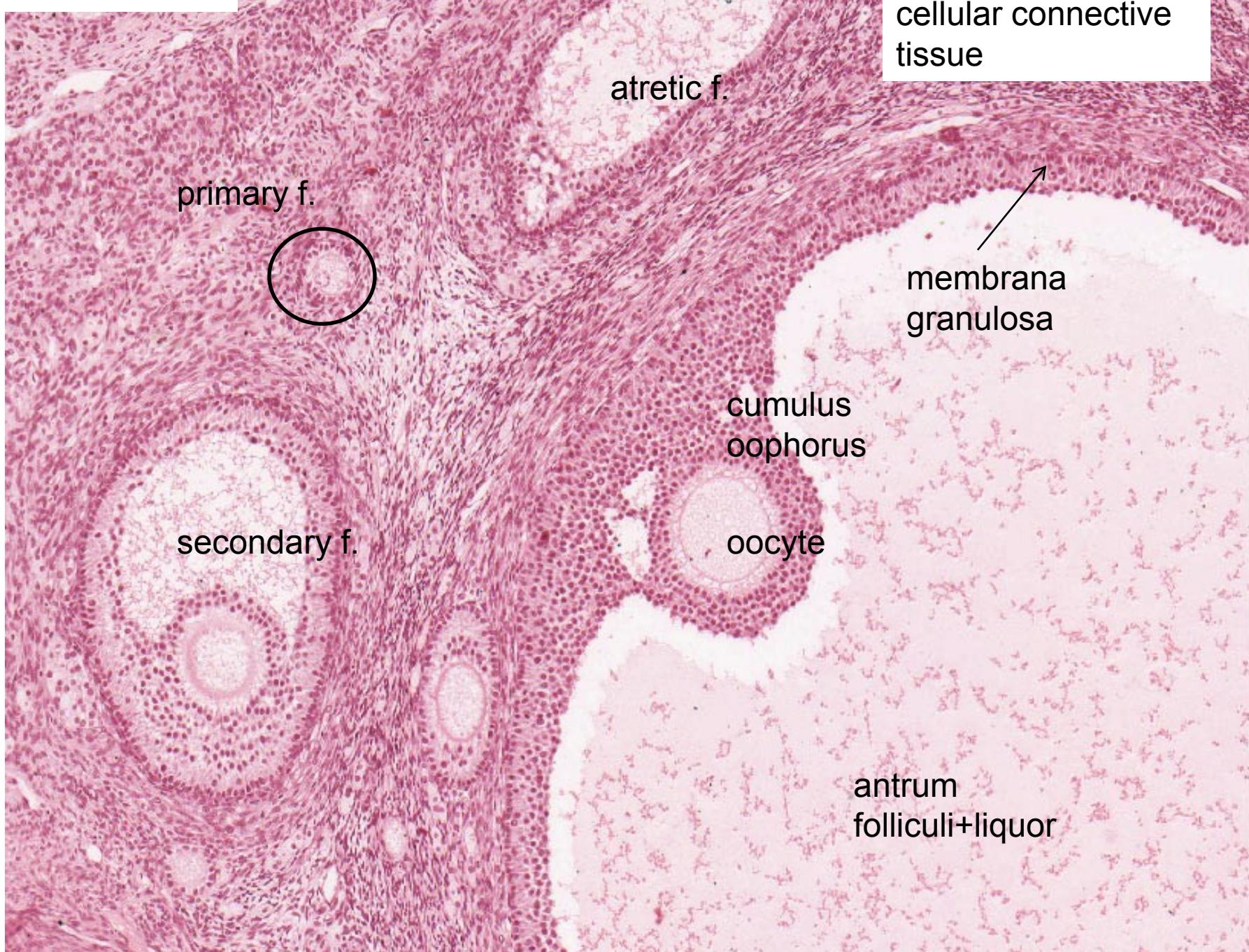
secondary follicle

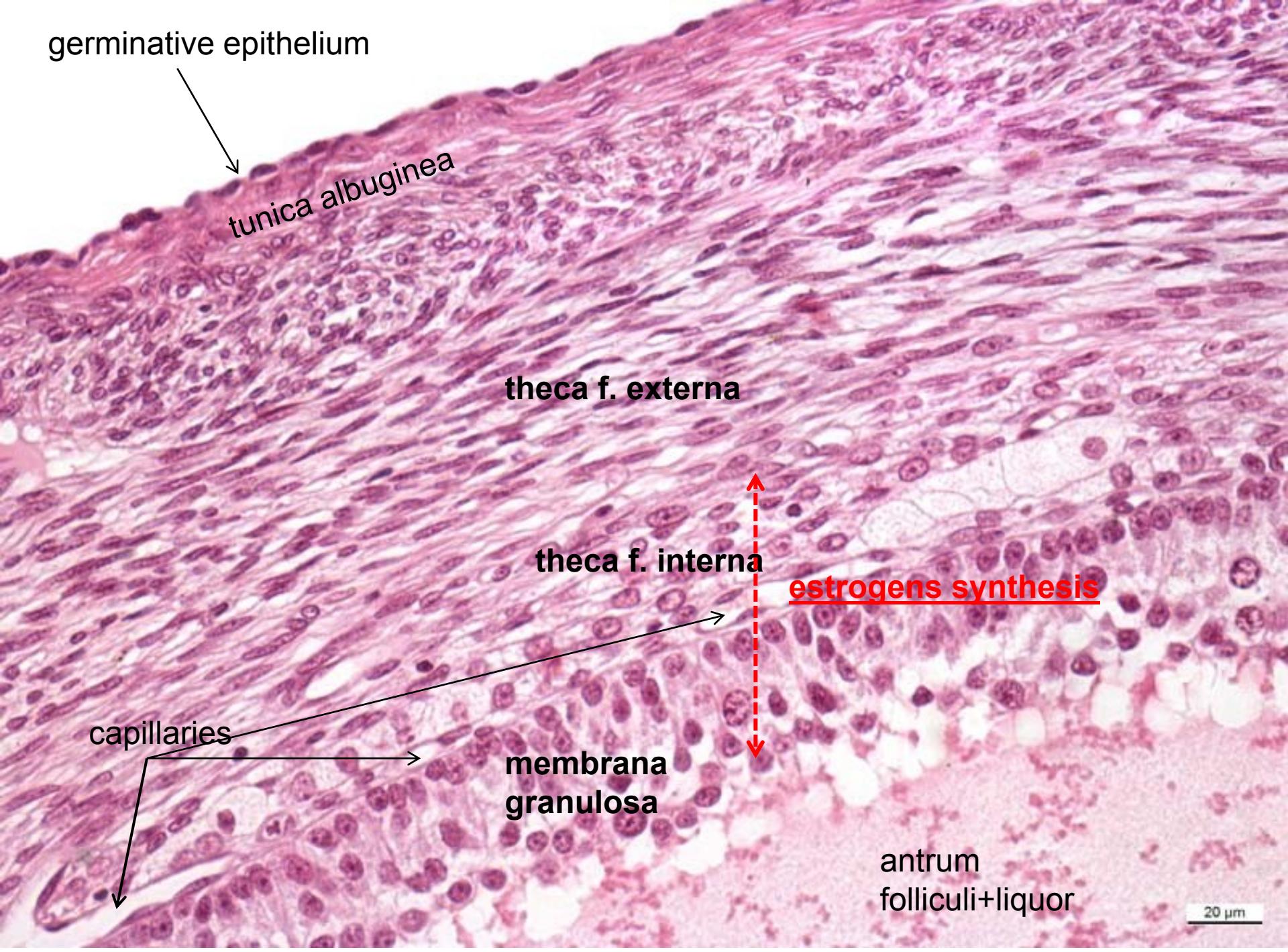


*theca f.
interna*

*membrana
granulosa*

Graafian follicle



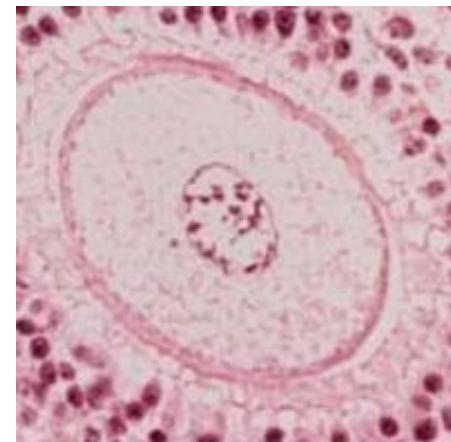


oocyte during 1st meiotic division

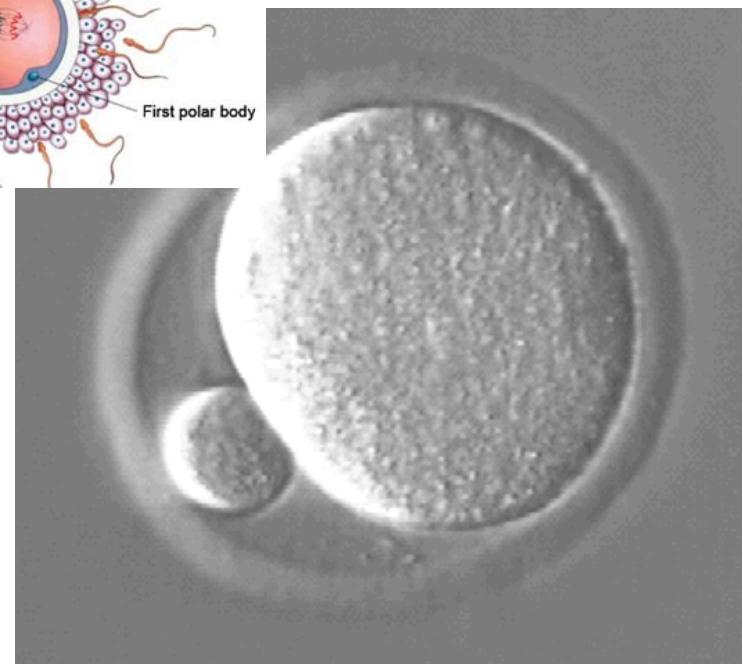
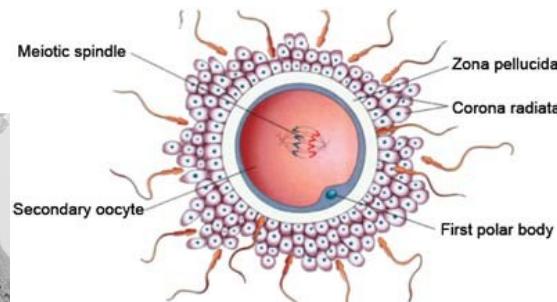
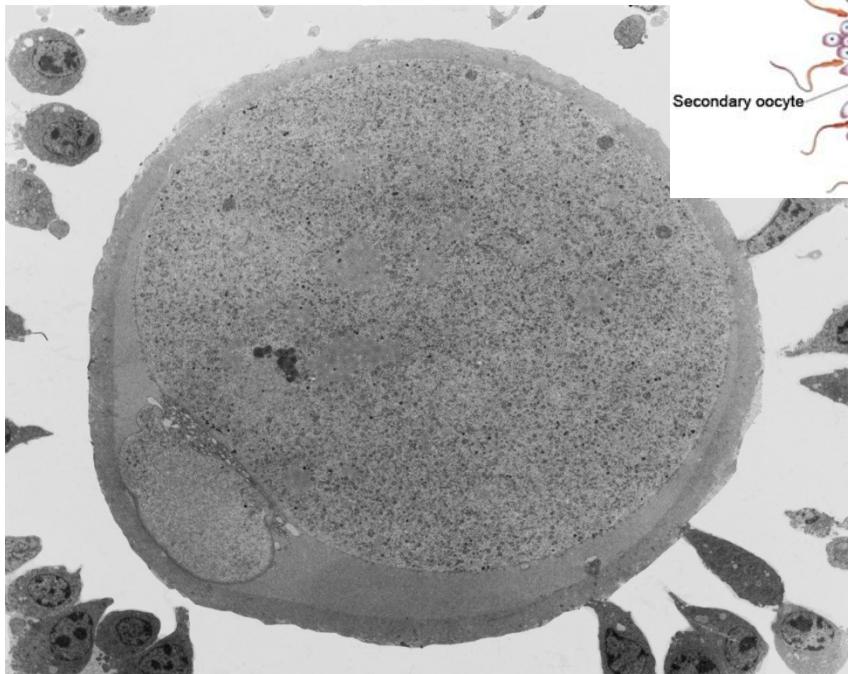
30 μ m



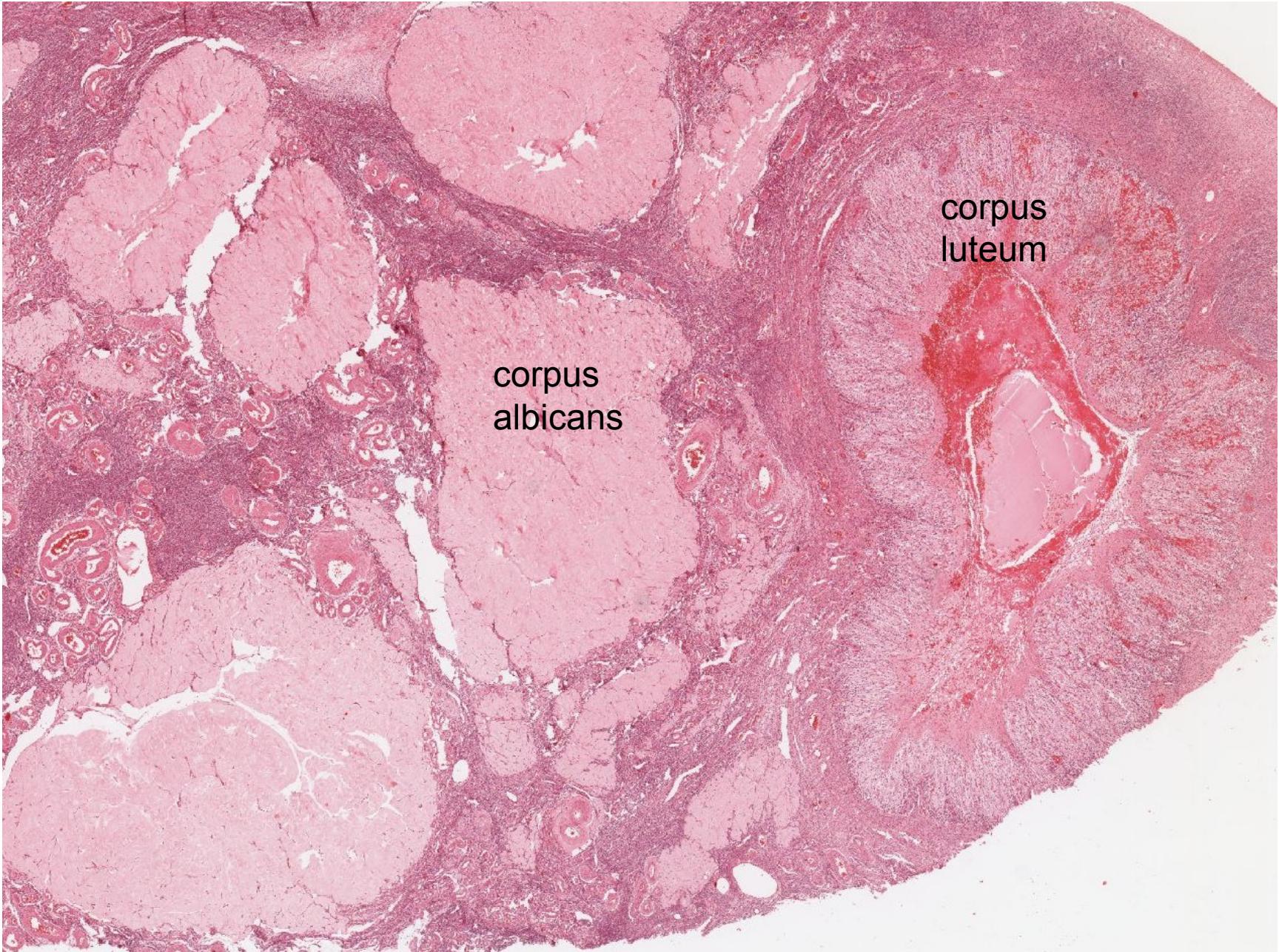
130 μ m



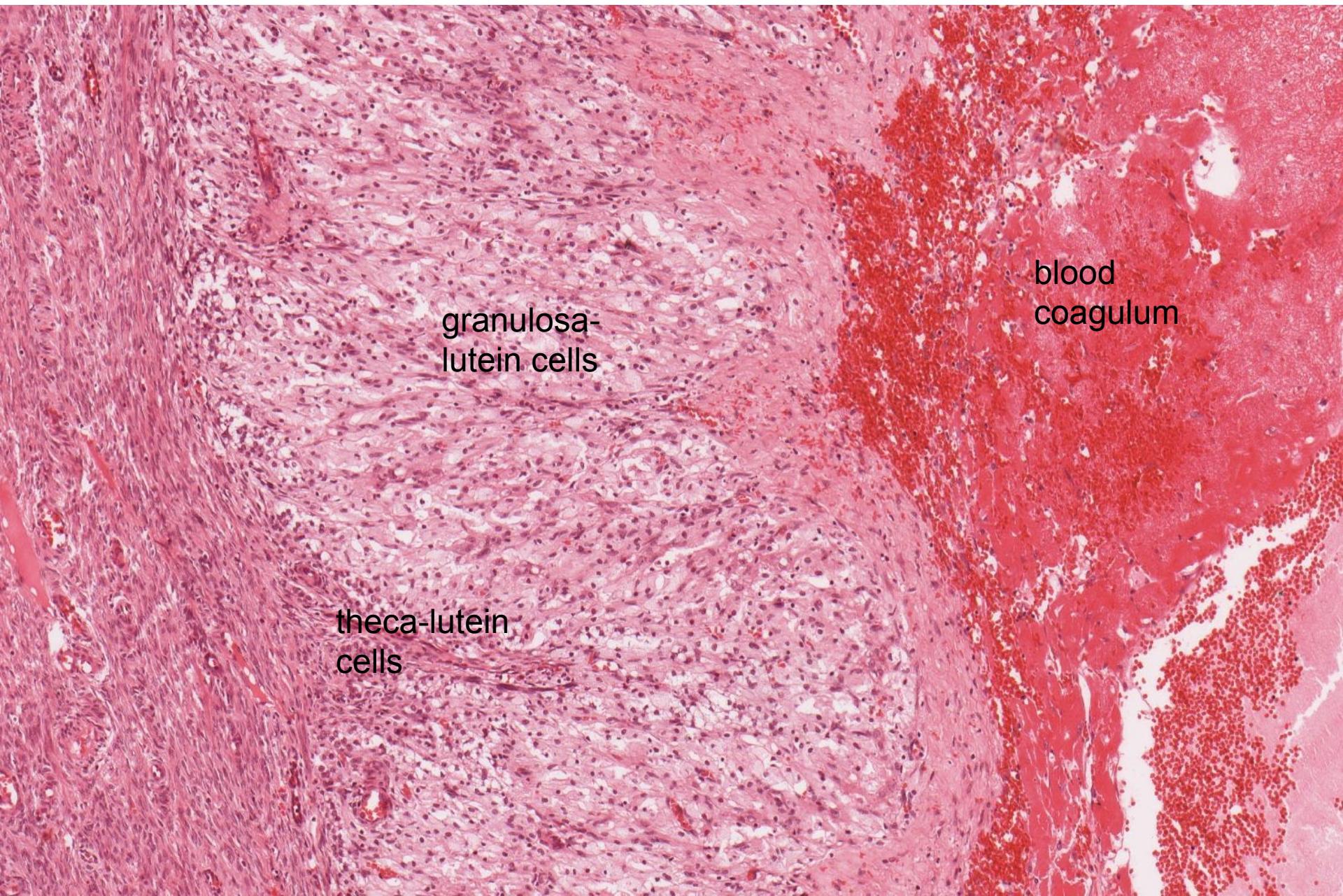
oocyte during ovulation



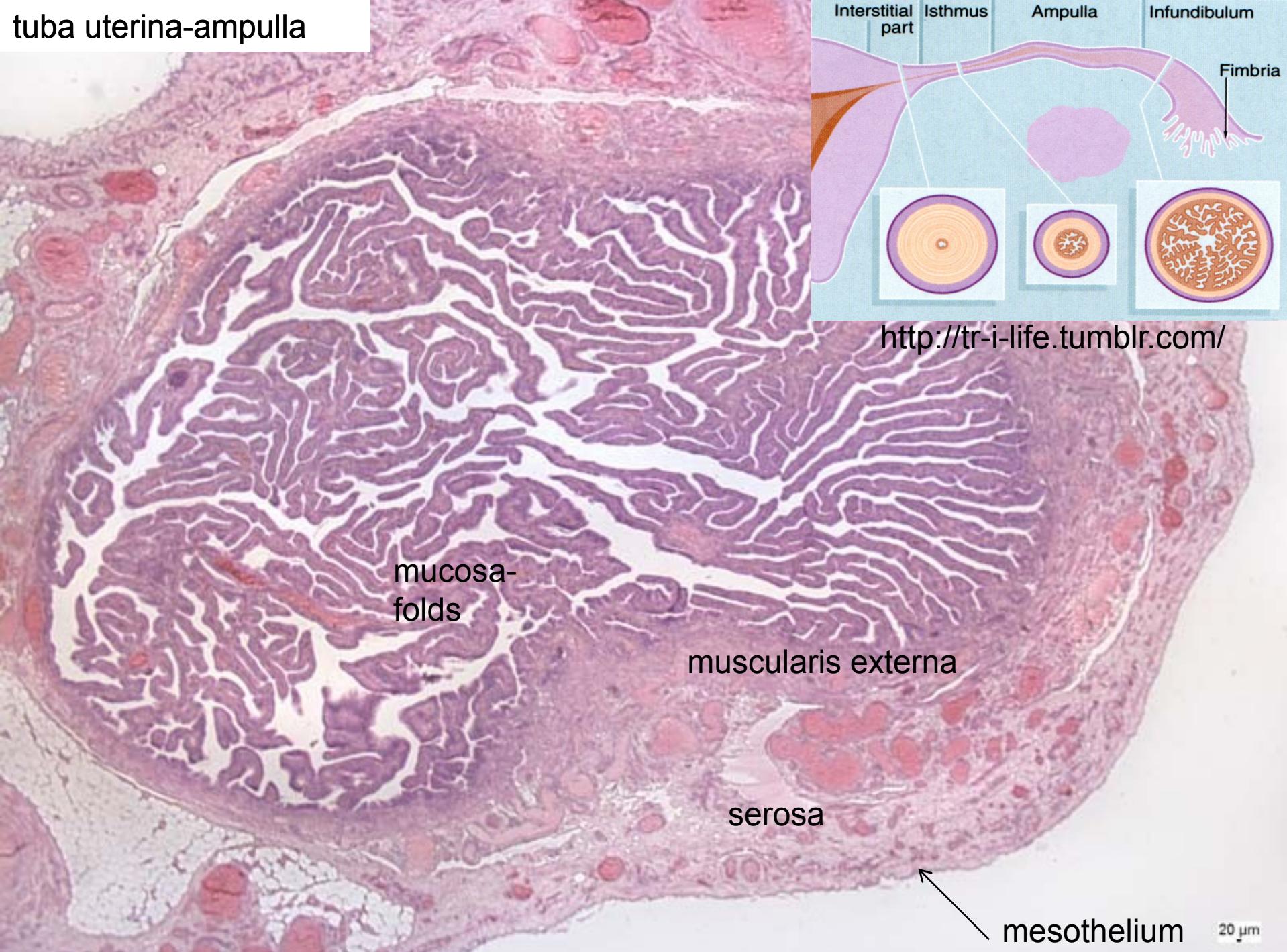
ovary-corpus luteum



ovary-corpus luteum

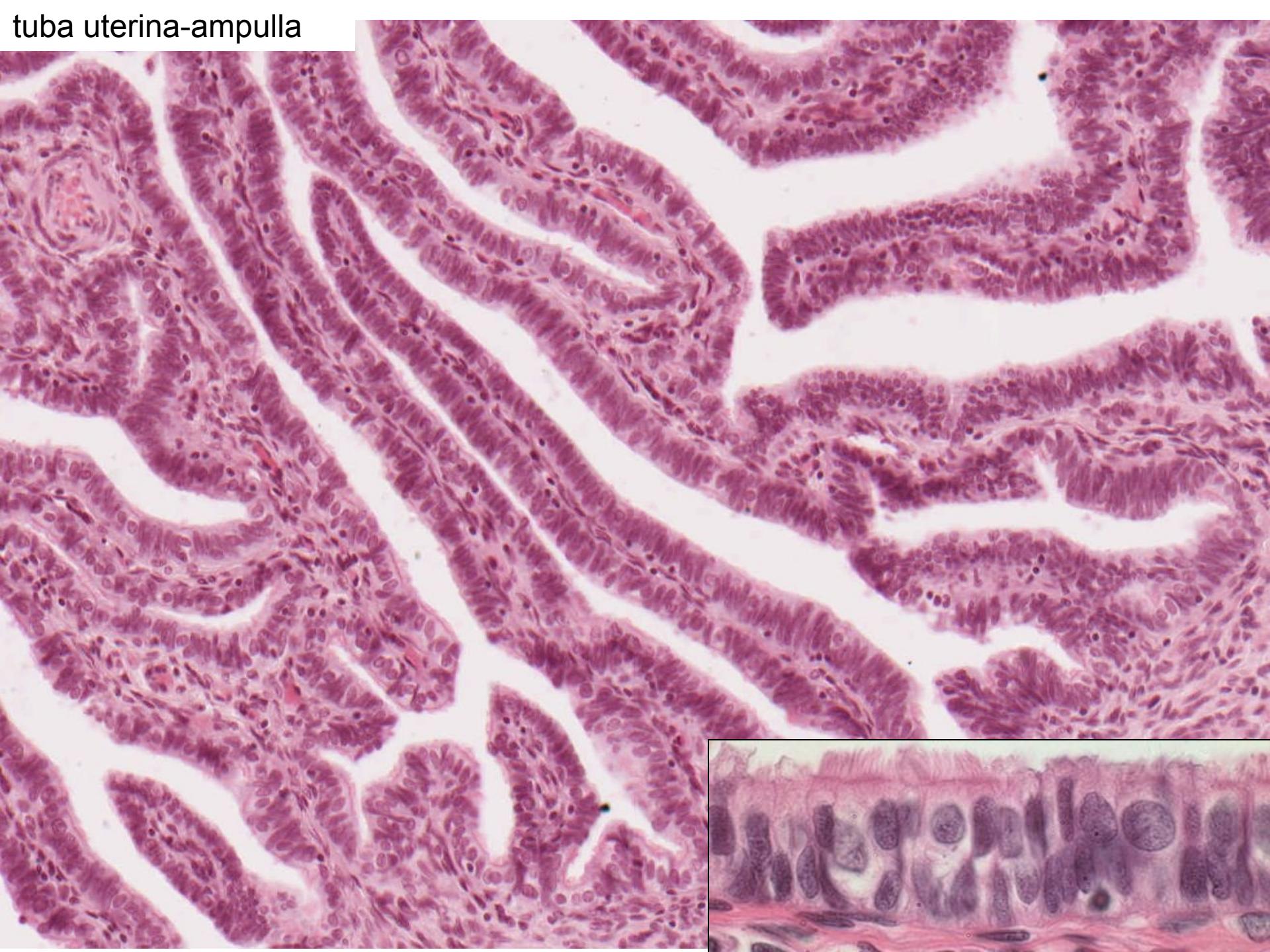


tuba uterina-ampulla

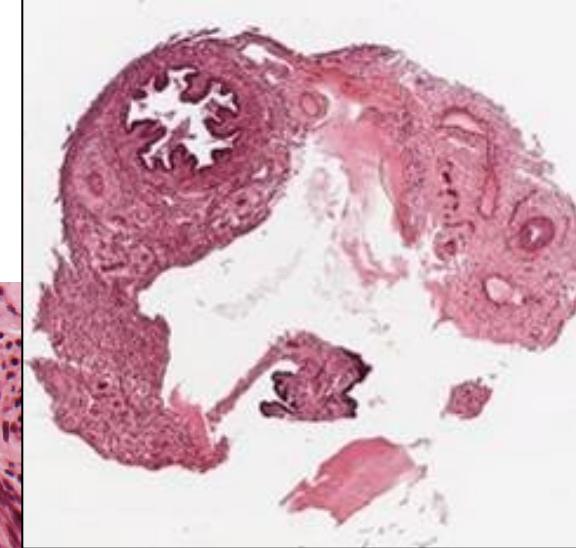
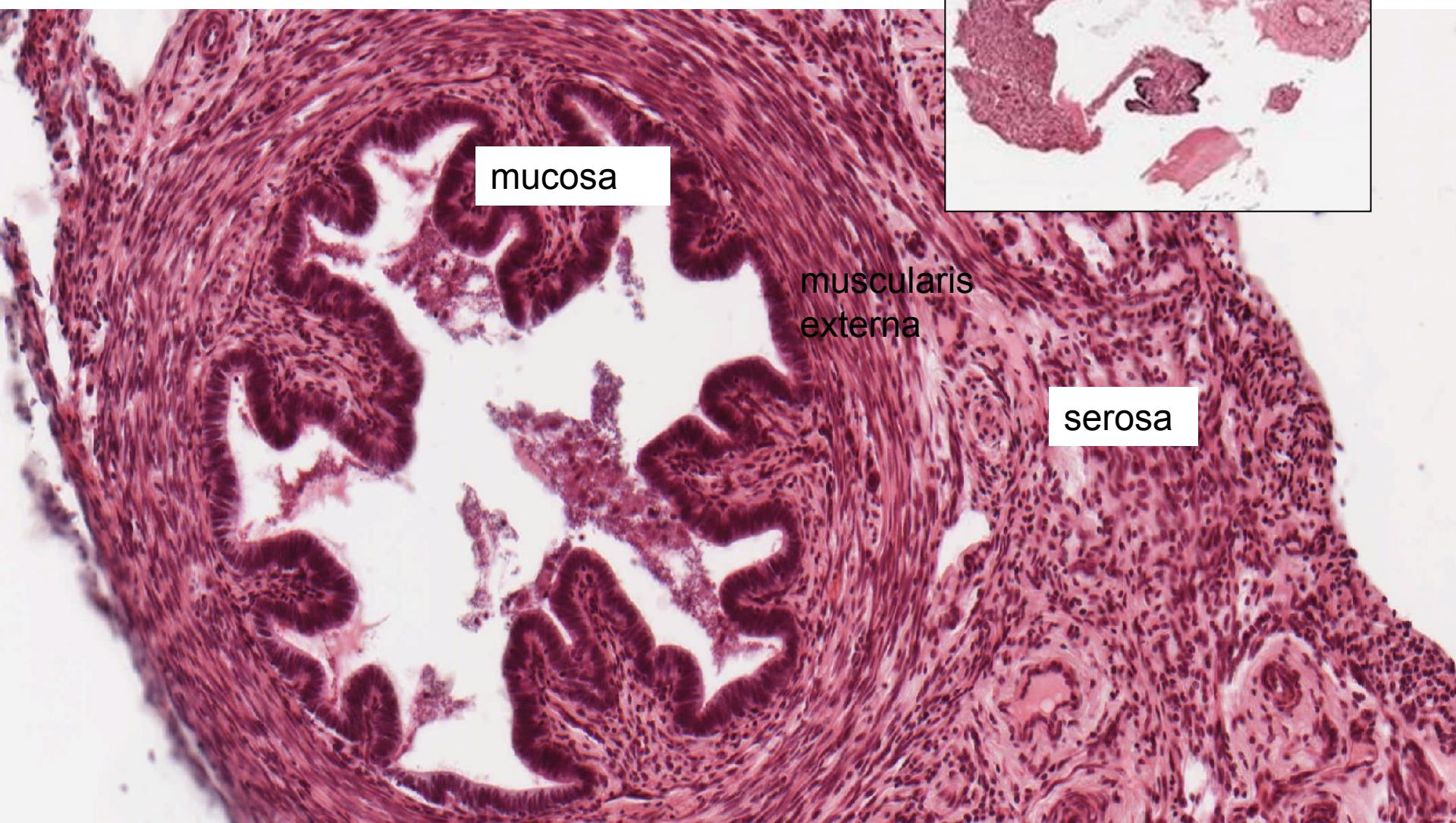


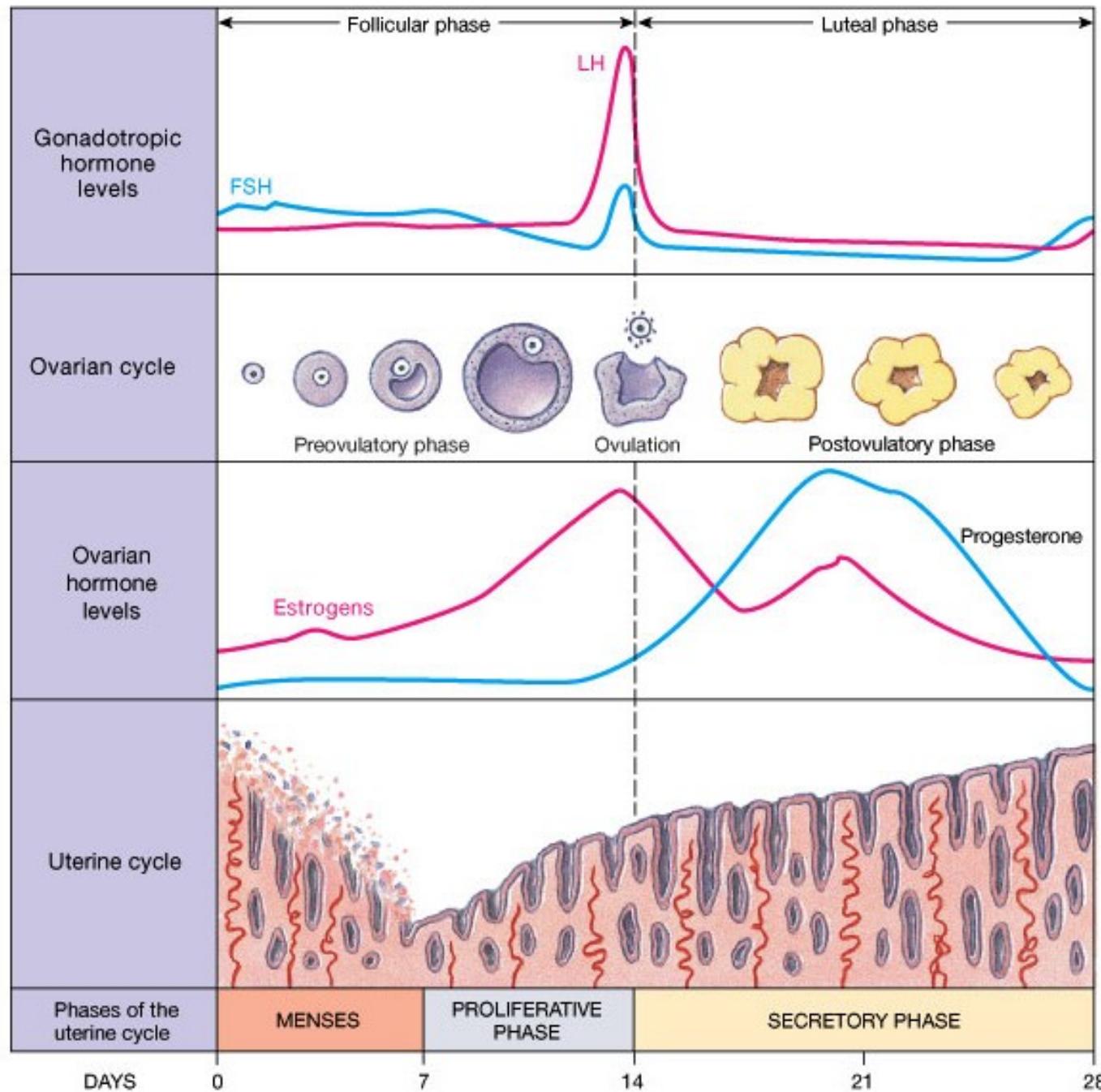
20 μ m

tuba uterina-ampulla

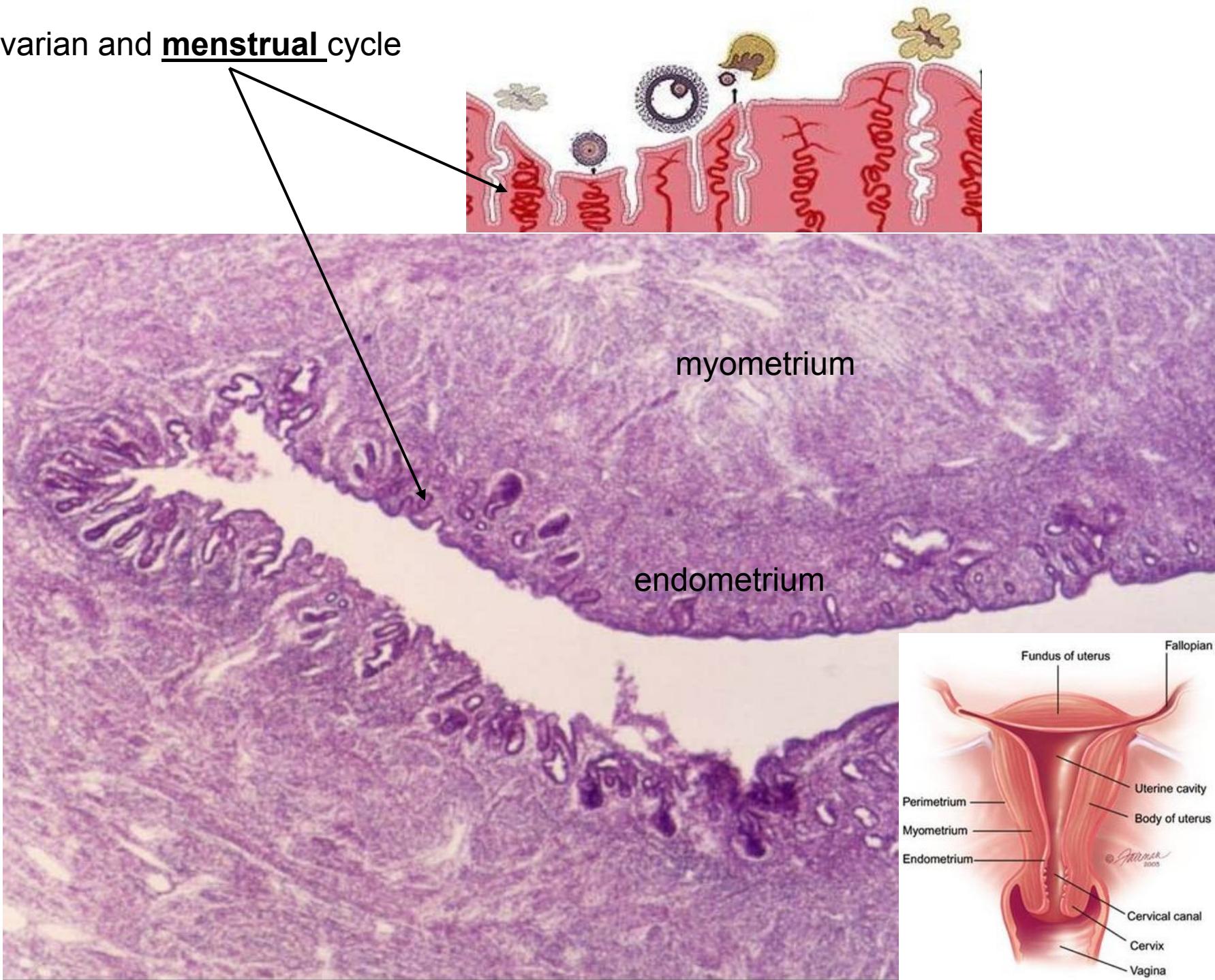


tuba uterina-isthmus



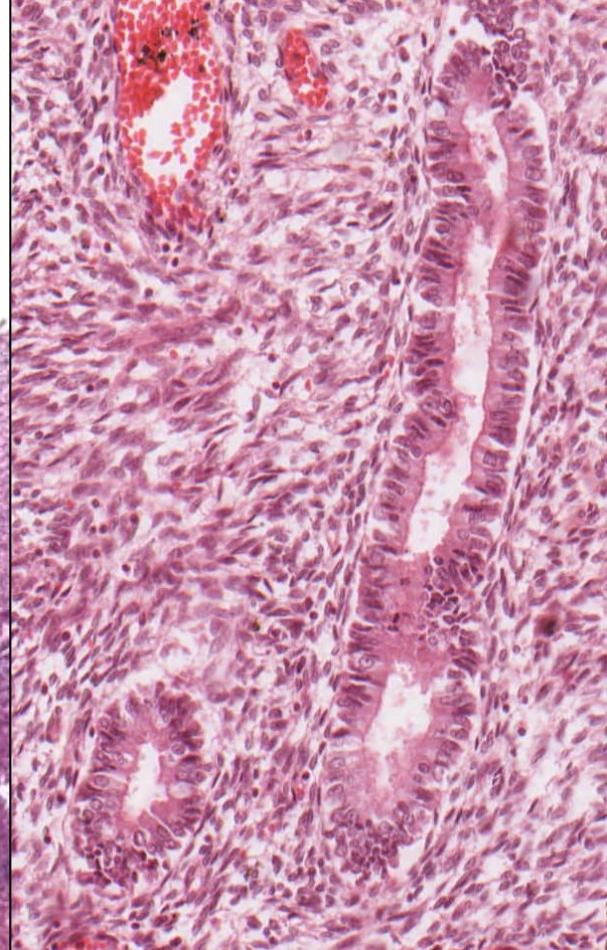
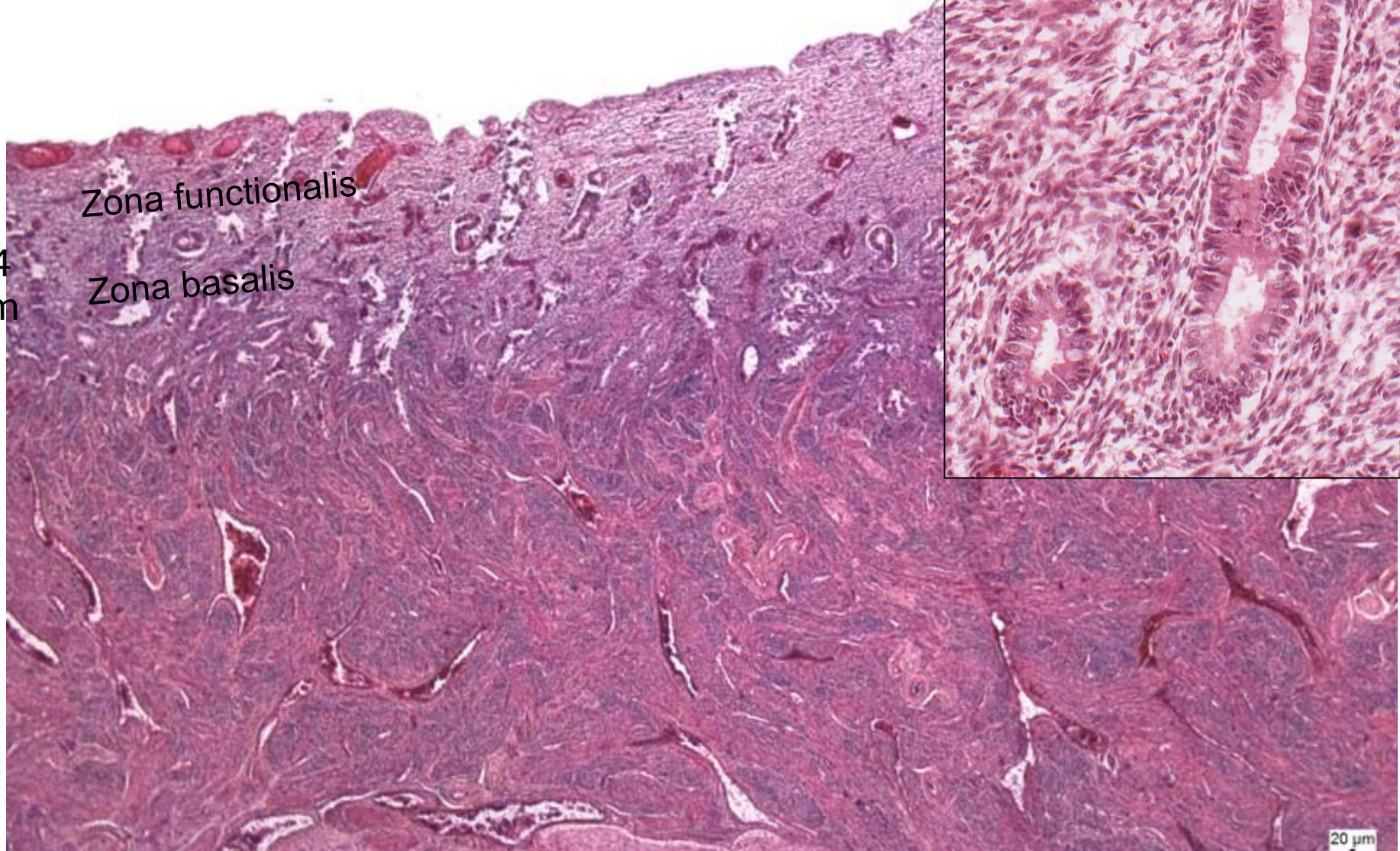


Ovarian and menstrual cycle



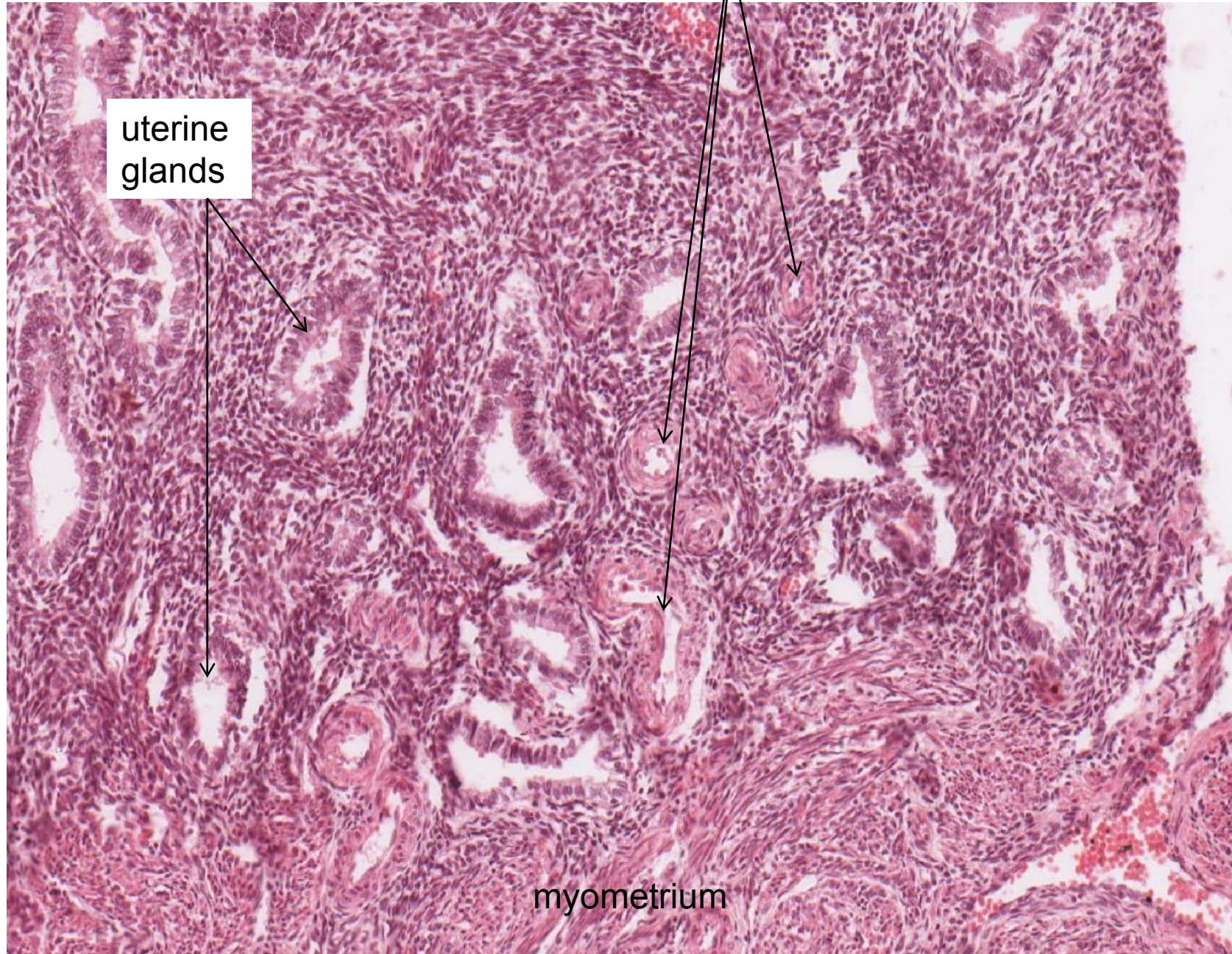
Endometrium – proliferative phase – glandulae uterinae

3-4
mm

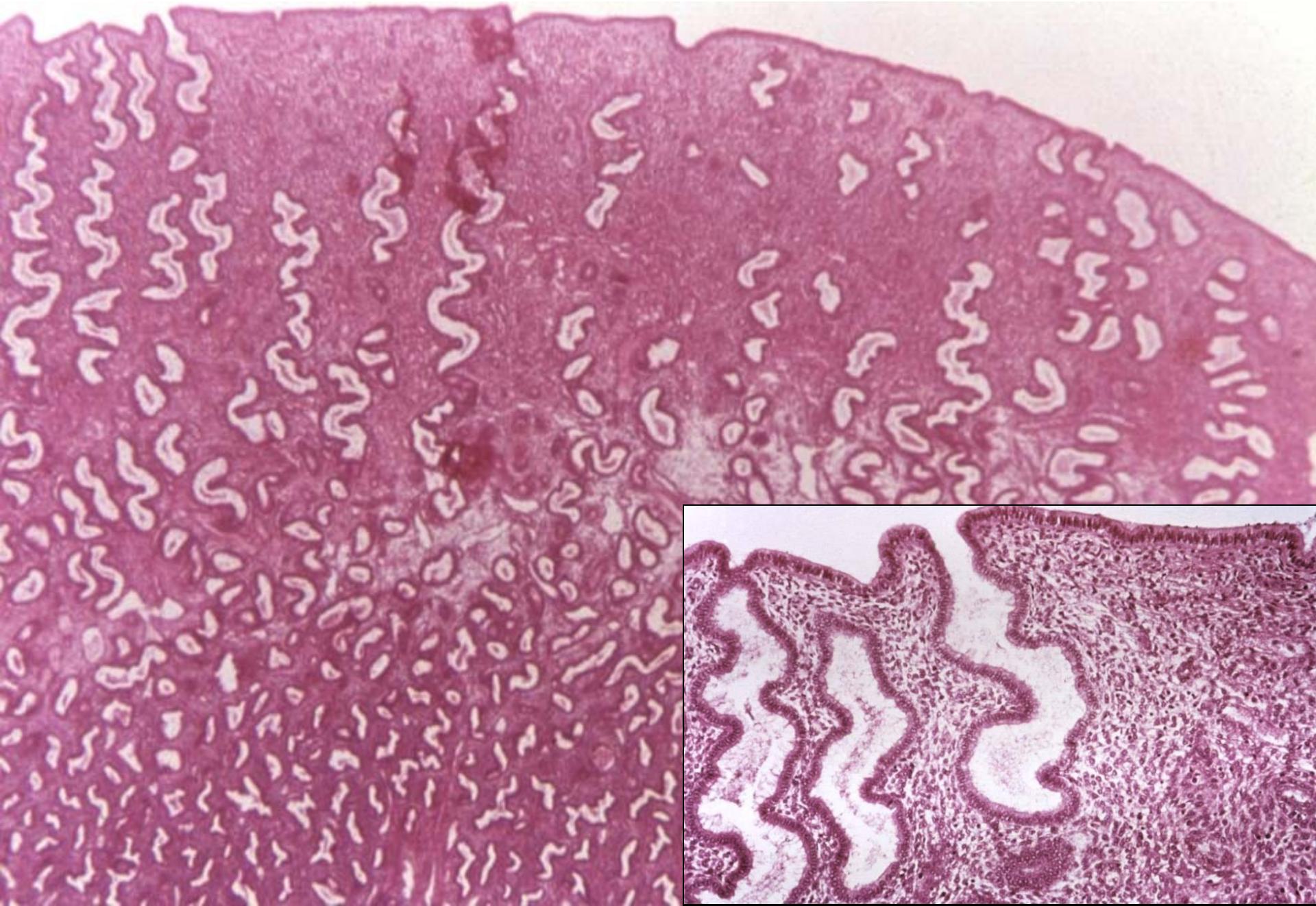


20 µm

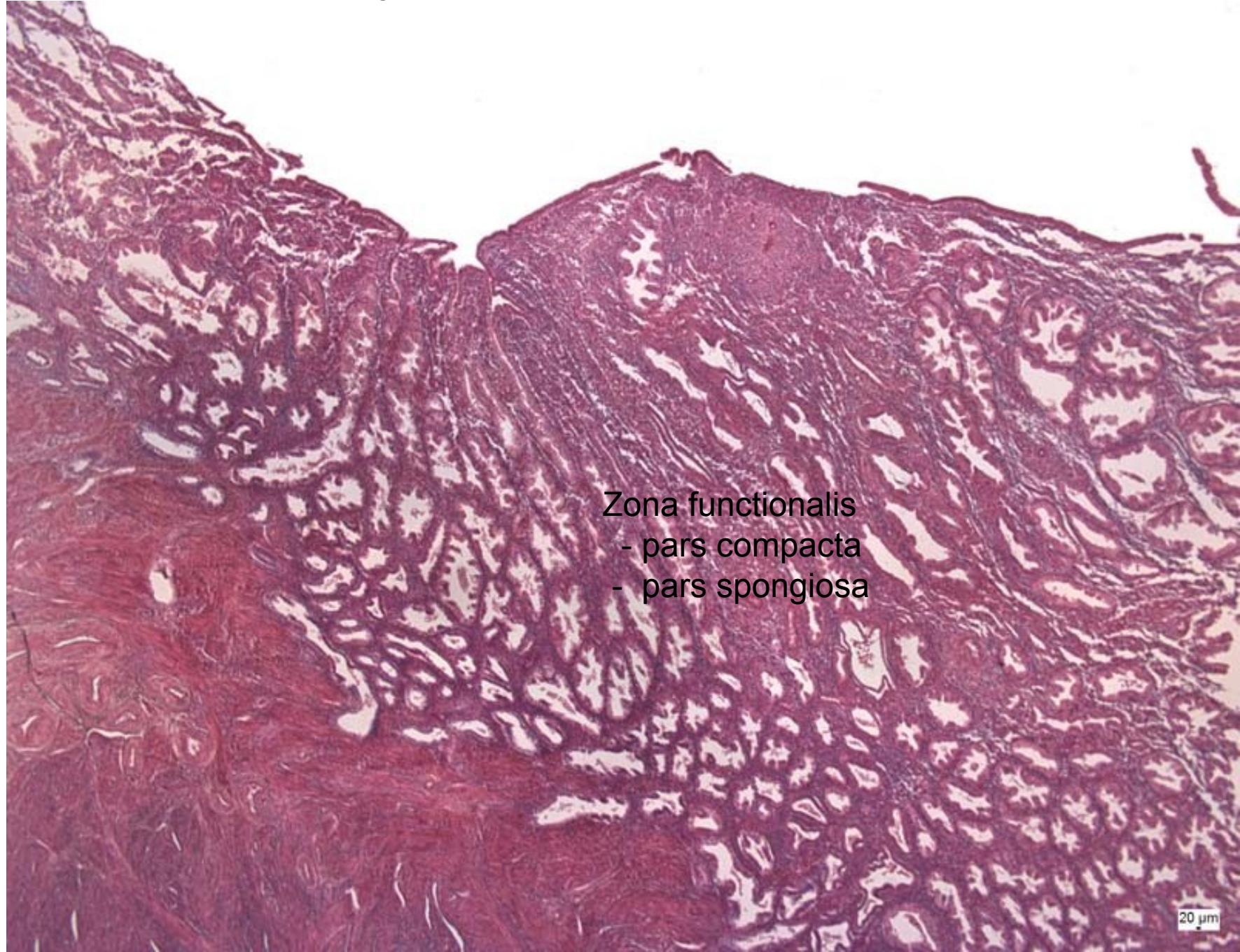
Endometrium – proliferative phase – arteriae helicinae, connective tissue stroma rich in cells



Endometrium – early secretory phase



Endometrium – midsecretory phase

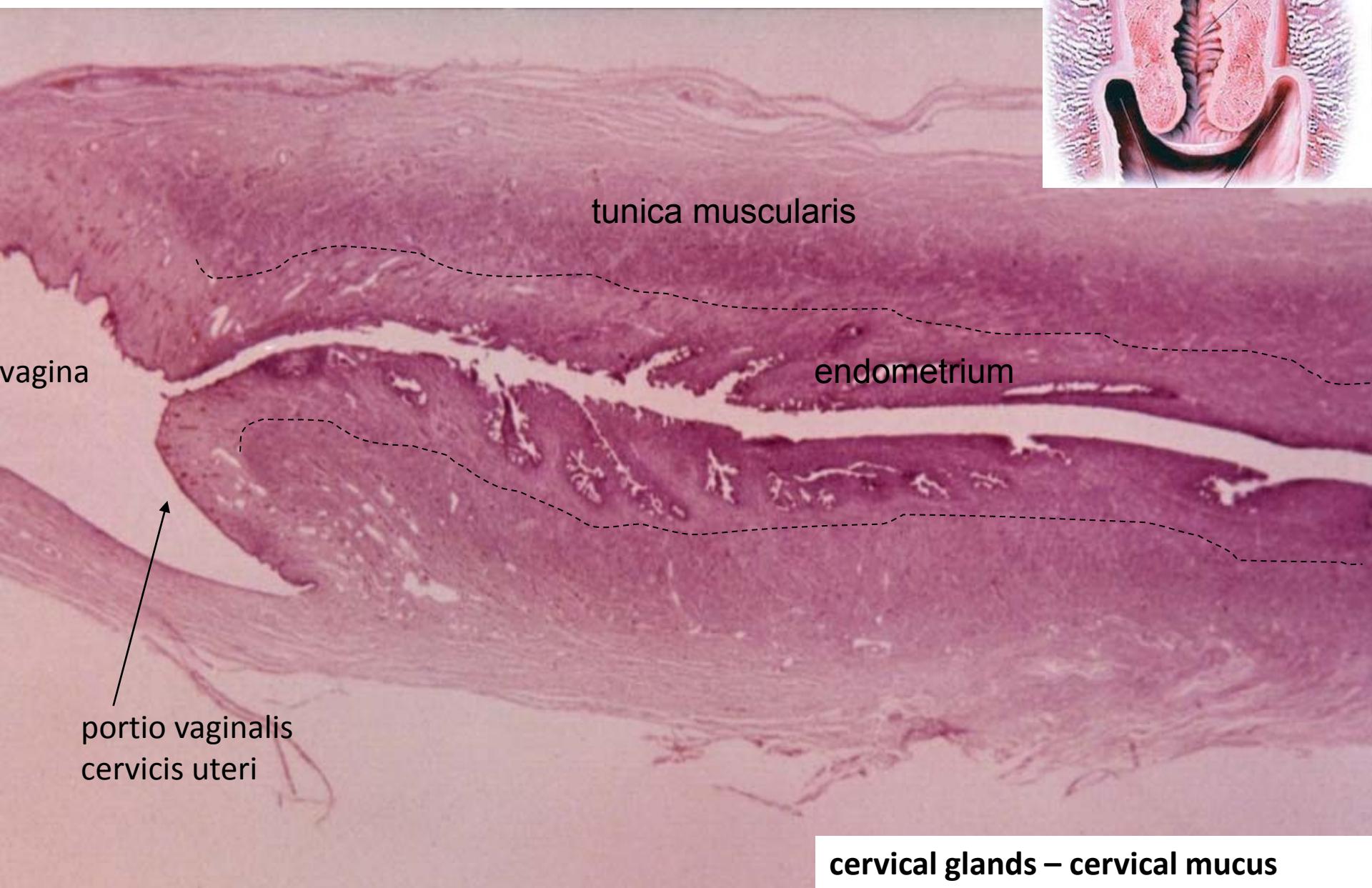


Zona functionalis
- pars compacta
- pars spongiosa

5-7
mm

20 μm

Cervix uteri



Portio vaginalis cervicis uteri - squamocolumnar junction

simple columnar epi (endocervix)

stratified squamous epi (ectocervix)





FEMALE REPRODUCTIVE SYSTEM I

Slides:

42. Ovarium
43. Ovarium – cat
44. Corpus luteum
45. Tuba uterina – ampulla
46. Tuba uterina – isthmus
47. Uterus – proliferative phase
48. Uterus – secretory phase

Atlas EM:

- Human primary ovarian follicle (72)
From gametes to early embryo (74)