

Female reproductive system I

- 1) List the basic classification of ovarian follicles, including the approximate sizes for each type of follicle.
- 2) What is the size of the oocyte in the primordial follicle and what in the Graafian follicle? What events does the oocyte go through during follicle maturation?
- 3) Schematically draw the Graafian follicle, describe the structure inside and its wall. How do the cells of *theca folliculi externa* and *interna* differ?
- 4) What does an oocyte look like during ovulation? Indicate its size, the phase of the cell cycle, what surrounds it. What does the nucleus look like?
- 5) What epithelium lines the fallopian tube? Are the cells different in different parts of tube?
- 6) How do *glandulae uterinae* look like in proliferative, secretory and menstrual phase of cycle?
- 7) Describe the mechanism of menstrual bleeding.
- 8) Describe the structure of *cervix uteri*.

Slides:

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

Atlas EM:

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