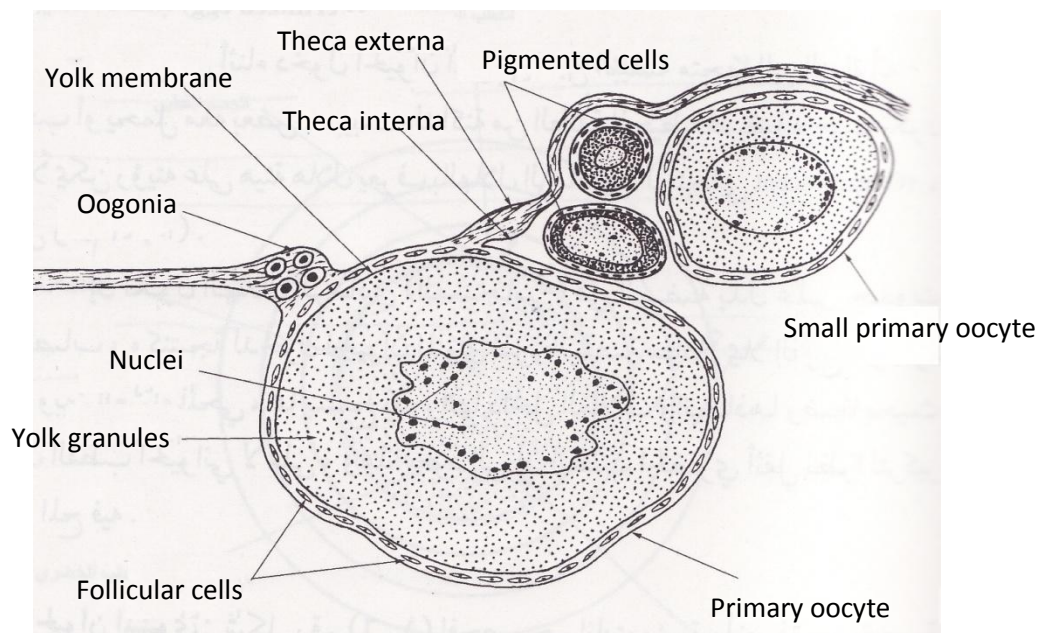
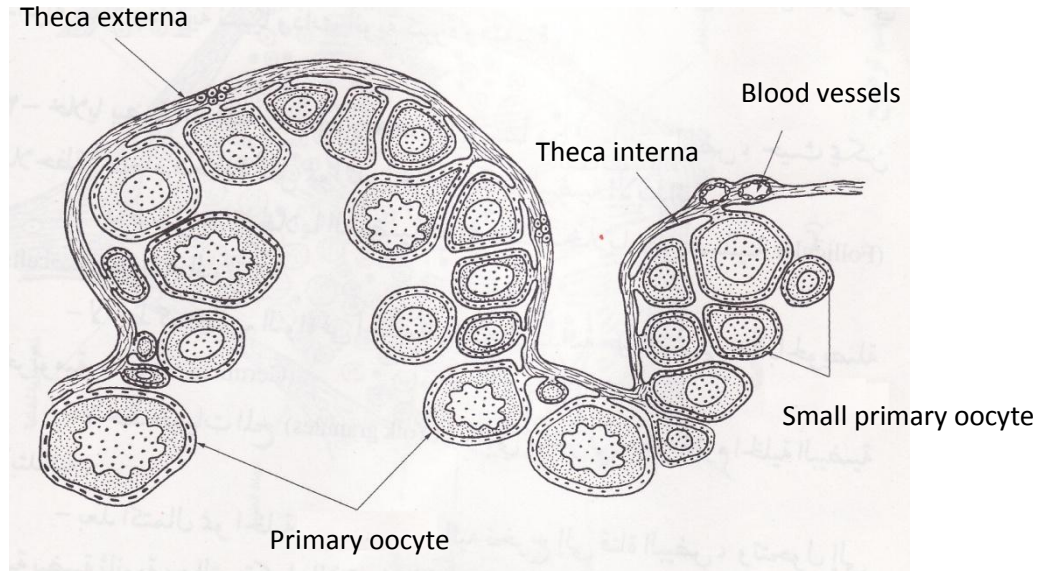
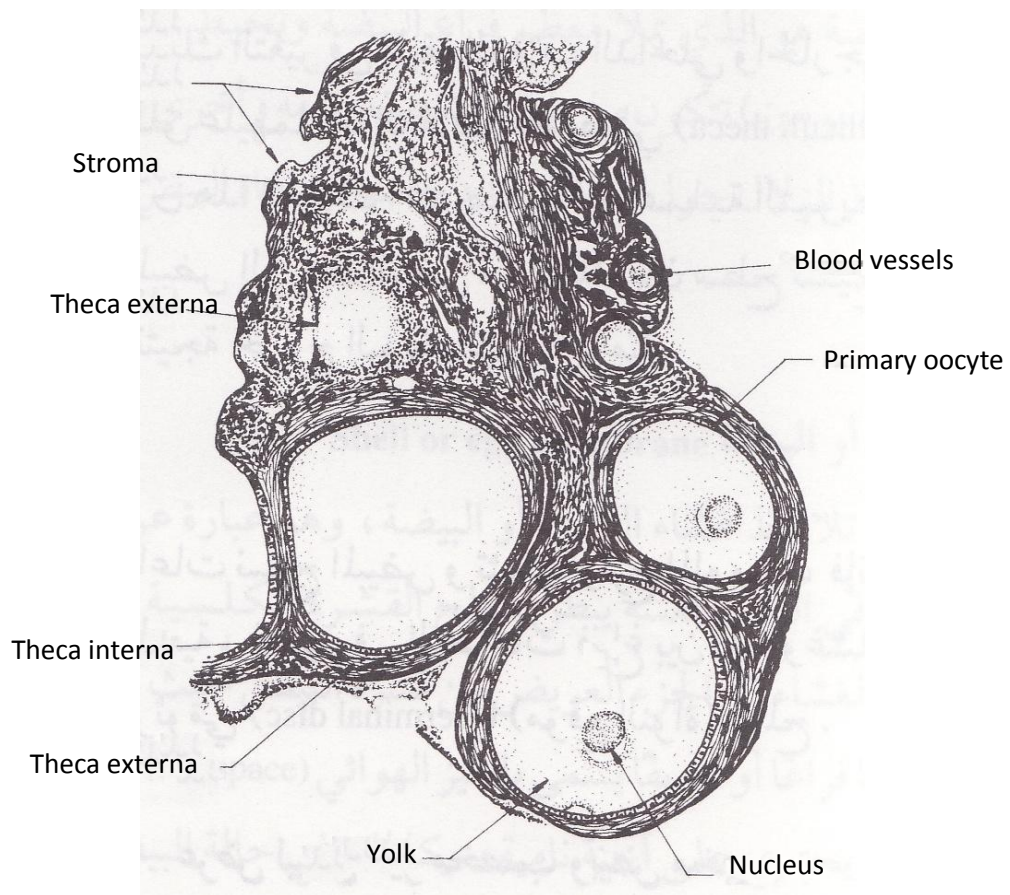


# Frog ovary



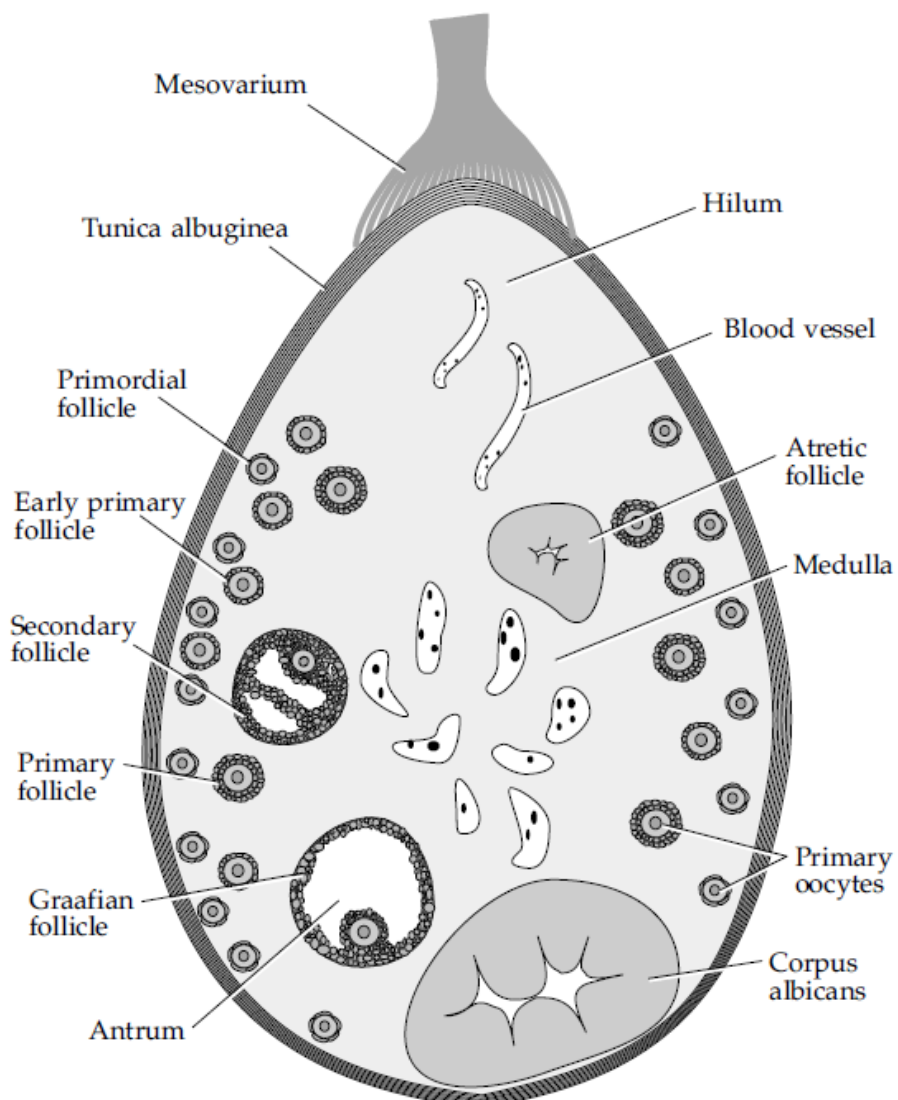
## C.S of frog ovary

# Bird ovary



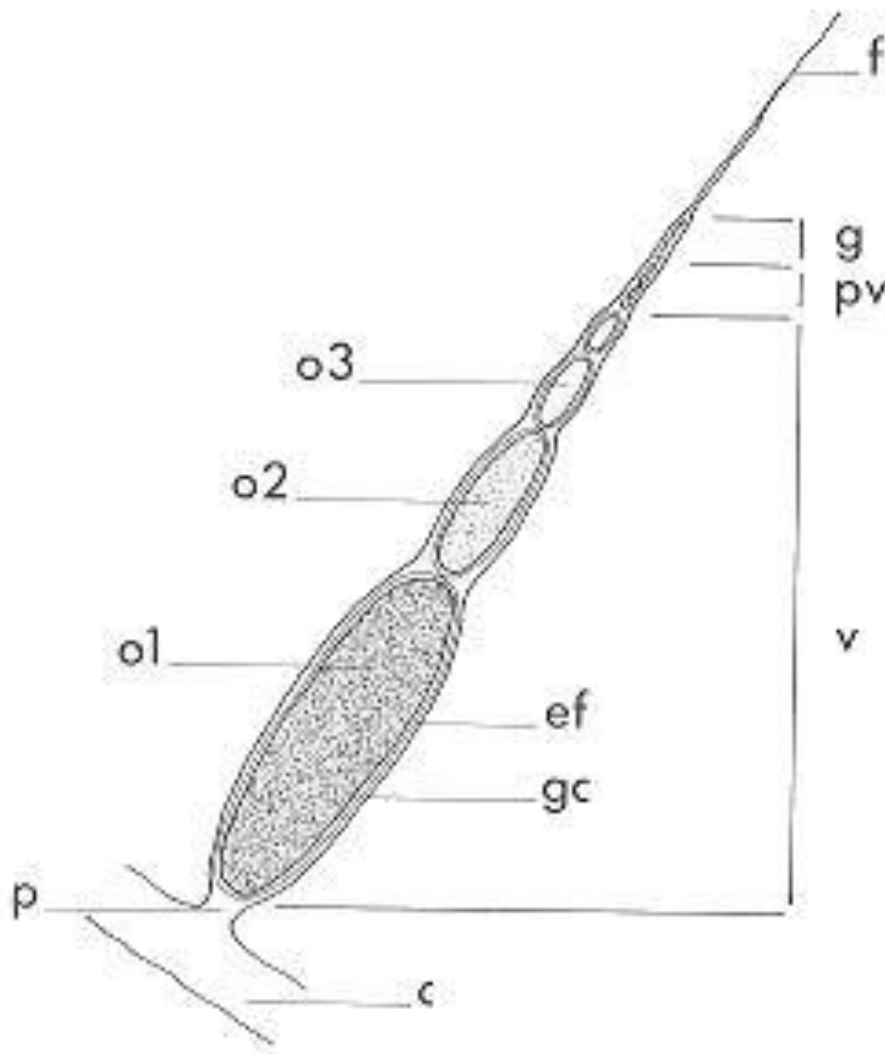
## C.S of chick ovary

# Mammalian ovary



**C.S of mammalian ovary**

# Insect ovariole



**c:** Calyx **ef:** Follicular epithelium, **f:** Filum terminal **g:** Germanium, **gc:** Connective tissue sheath of the egg chamber, **o1:** Oocyte in late vitellogenesis, **o2:** Oocyte during vitellogenesis, **o3:** Oocyte in early vitellogenesis, **p:** Pedicel, **pv:** Previtellarium, **v:** Vitellinum.

## C.S of insect ovariole

## Vaginal smear

Stage	Typical cell numbers				
	Leucocytes	Nucleated epithelials	Cornified	Non-nucleated epithelials	Total
Oestrus	-	-/+	+++	+/-	+++
Metoestrus	+++	-	-/+	+	+++
Di-oestrus	++	+/-	+/-	+/-	+ /+++
Pro-oestrus	-	++	-/+	-	+ /+++

- None of very few

+ Low

++ Moderate

+++ High

**The two most commonly used methods of obtaining vaginal cell samples are:**

- a) Lavage or washing with saline or water from a pipette.
- b) Swab or cotton bud (moistened with saline or water).

### **What do you have to do today!?**

1. Use micrometer to measure the diameter of the ovary for different species.
2. Use micrometer to measure the diameter of the Grafian follicle
3. Examine the ovary sections of ( rat or rabbit , frog , bird , insect ) in high and low magnification
4. Make a vaginal smear for female rat