

**Female Reproductive Anatomy:**

What are the eight functions of the female reproductive system?

**Anatomy of the Ovary:**

Structure	Definition	Function
Germinal Epithelium		
Tunica Albuginea		
Cortex		
Medulla		
Hilus		-----

What is the difference between the mare's ovary and any other species' ovary?

Oogonia:

Primary Oocyte:

Secondary Oocyte:

Ootid:

**Ovarian Follicles:**

Primordial Follicle	Primary oocyte surrounded by single layer of squamous cells, immature and smallest follicle in ovarian cortex
Primary Follicle	Primary oocyte surrounded by a single layer of cuboidal cells, stage of majority of follicles
Secondary Follicle	Primary oocyte surrounded by several layers of cuboidal follicular cells (Granulosa), NO ANTRUM, Zona Pellucida present, actively secreting steroid hormones
Tertiary/Antral/Graafian Follicle	Primary oocyte present, differentiation of several distinct cell layers within follicle, ANTRUM IS PRESENT, Actively secreting hormones