Female and Male Reproductive Systems

BIOLOGICAL GOAL:
PRODUCTION OF THE NEXT GENERATION OF
THE SPECIES
PART 2



THIS WORK IS LICENSED UNDER A <u>CREATIVE</u> <u>COMMONS ATTRIBUTION-NONCOMMERCIAL-SHAREALIKE 4.0 INTERNATIONAL LICENSE.</u>

Ovarian Cortex

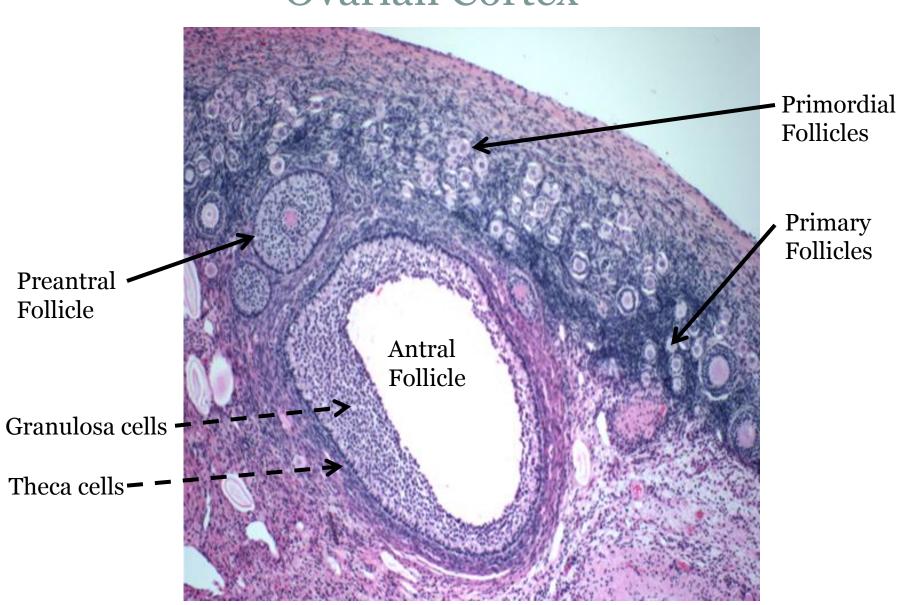
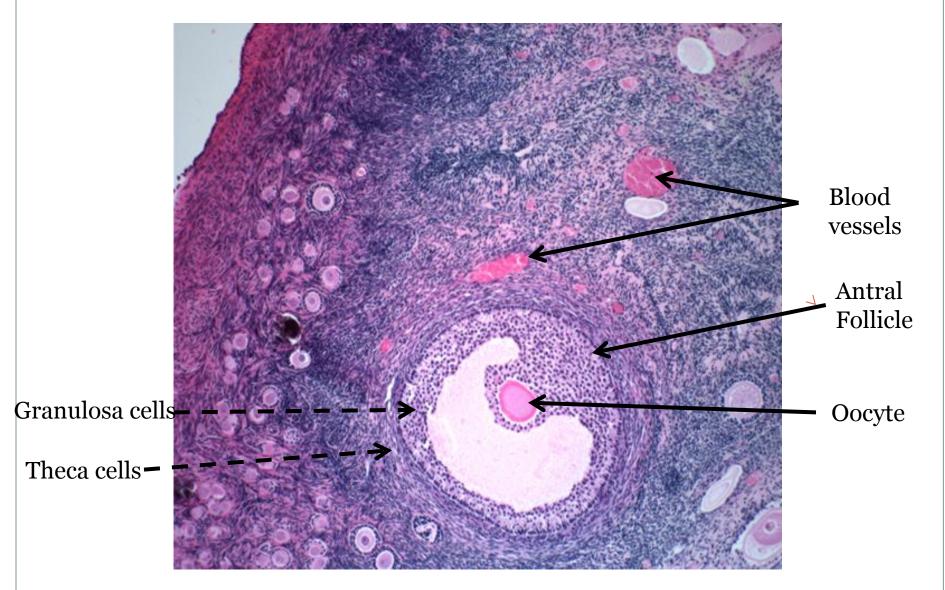


Photo: Mary Zelinski, PhD, ONPRC



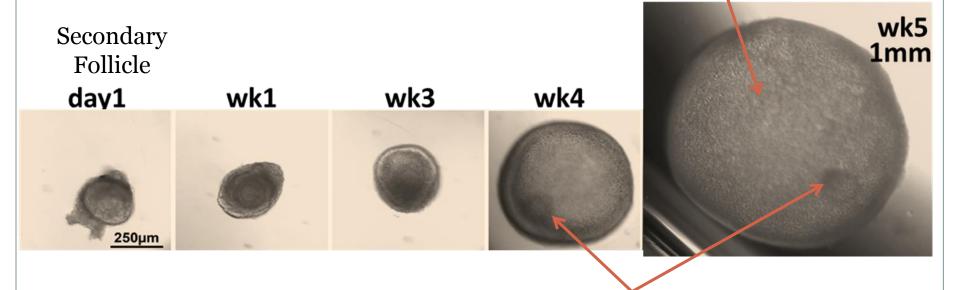
Ovarian Cortex





In Vitro Primary Oocyte Growth in its Follicle

Antral Follicle entering Follicular Phase of the cycle



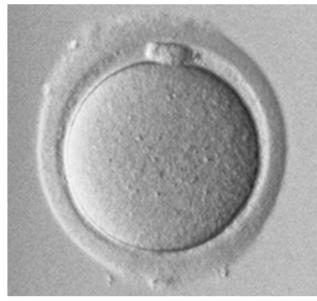
Primary Oocyte Germinal Vesicle stage of meiosis



How Do Ooctyes Develop?







Primary oocyte with its nucleus arrested at prophase I of meiosis I. Clinically called **Germinal Vesicle (GV).**

Primary oocyte undergoing meiosis I — nucleus and nucleolus have disappeared. Clinically called **Metaphase I (M1).**

Secondary oocyte with first polar body resulting from meiosis I. Clinically called **Metaphase II** (M2)

