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Human Reproduction

Female external genitalia includes

- Mons pubis cushion of fatty tissues covered by skin and pubic hair.
- Labia majora- fleshy fold that surround the vaginal opening.
- Labia manora paired fold of tissue under labia majora.
- The opening of vagina is often partially covered by a membrane called **hymen**.
 The tiny finger like projection present at the upper junction of two labia manora above the urethral opening is called **clitoris**.

Mammary glands are paired structures that contain glandular tissues and variable fats. Each glandular tissue contains 15-20 mammary lobes containing alveoli that secrete milk. Mammary ducts join to form mammary ampulla.

Gametogenesis: The process of formation of male and female gametes in testes and ovary respectively is called gametogenesis. It is of two types:

- 1. **Spermatogenesis** in males
- 2. **Oogenesis** in females

Spermatogenesis- in testes immature, male germ cells (spermatogonia) produce sperm by spermatogenesis that begin at puberty.

- The spermatogonia present at the inner side of seminiferous tubules multiply by mitotic division and increase in number. Each spematogonium contain 46 chromosomes.
- Spermatogonia forms spermatocyte that undergo meiotic division to reproduce secondary spermatocytes having 23 chromosomes.
- The spermatids are transformed into spermatozoa by the process called spermiogenesis. The sperm heads remain embedded in sertoli cells and are released from seminiferous tubules by the process of spermiation.

