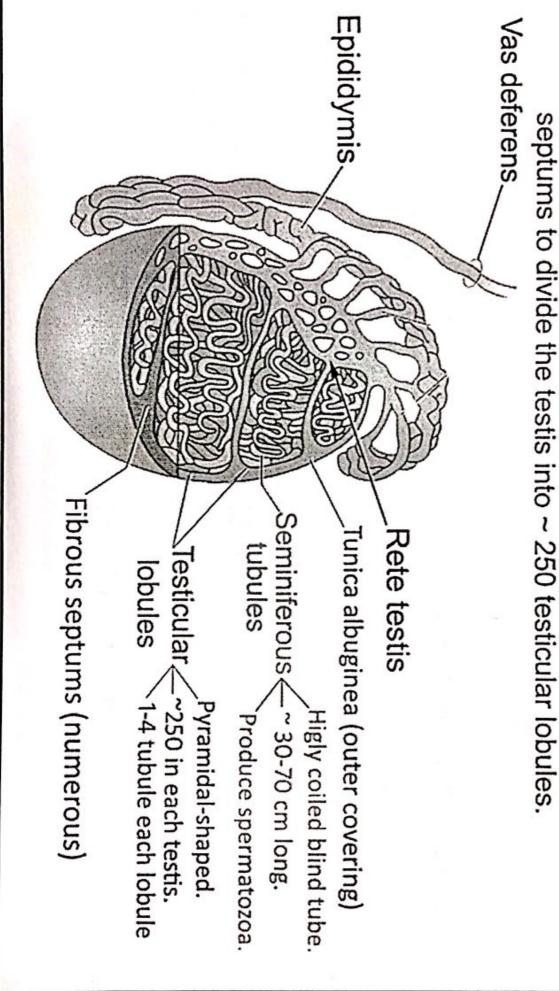


estis

- Paired organs dedicated to produce haploid (1n) sperms and Testosterone.
- Located outside abdominal cavity to function.

Parts: Covered by tunica albuginea that sends many fibrous



- Mobile organ within the scrotum.
- albuginea. Enclosed by a tough fibrous capsule, the tunica
- Doesn't function at body temperature but about 3° lower than abdominal temperature.
- Functions:
- Produce sperms (1n male germ cells male Gametes).
- Secretes Testosterone hormone.

Epididymis

- Located posterior to the testis.
- Parts: head, body, and tail.
- About 6 meters coiled tube
- Function: Mature and store of sperms.

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Vas Deferens

- About 45 cm long thick-walled tube.
- ejaculatory duct. **Carry** mature sperm from tail of epididymis to

Seminal Vesicles

- Lies on posterior surface of the urinary bladder.
- About 15 cm coiled tube.
- Produce **Fructose** to the seminal fluid, the source of energy and motion of spermatozoa.?

Prostate

- Chestnut-shaped organ has a base and an apex.
- Produce alkaline secretion that helps neutralize ± the acidity in the vagina.?

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into two identical daughter cells. A series of events within the cell that prepare the cell for dividing

- * Consists of two major events:
- 1. Mitosis During which the cell divides its nucleus and its cytoplasm to give two identical daughter cells
- Interphase > The time between mitotic events. Is a period of cell growth and other events preparing the cell for the next mitosis.

exit from cell cycle eg. Neurons. Non dividing cells cells eg. Lymphocytes. Or identified as reserve stem Cell growth contingus in preparation for next mitosis, Duplicates its DNA and centrosome. and its cytosolic components * The cell MITOTIC (M) PHASE NTERPHASE

This cyclic process is important for growing, renewing of cell population and allows wounds repair.

Go These may be induced to reenter the cell cycle in response to injury. Their activation may occur in wound healing and in the repopulation of seminiferous epithelium after exposure to radiation

Chromosomes

- Chromosomes normally exists in pairs, 23 **homologous** pairs to form the **2n diploid** cells. Normal somatic human cell have 22 pairs of autosomes + one pair of sex_chromosomes =**46** chromosomes
- XY in male. The pair of sex chromosome is **XX in** female and
- one is paternal in origin. One chromosome of each pair is maternal, and
- Gametes contains 23 single chromosomes (1n) haploid number to restores the (2n) diploid number in tertilization.
- In meiosis,

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