

# Reproductive System Laboratory

## Objectives

In this laboratory you will use the models available in the laboratory to understand the structures of the male and female reproductive systems. We will use models and videos to review the function of the male and female reproduction systems.

## Procedures

Identify the following on the models:

**Male reproductive system:** Scrotum, testis, epididymis, vas deferens, seminal vesicle, ejaculatory duct, prostate gland, Cowper's gland, corpus cavernosus, corpus spongiosum, glans penis, seminiferous tubules, spermatozoon, acrosome, sperm nucleus, sperm head, sperm mid-piece, sperm flagellum.

**Female reproductive system:** Ovary, ovarian ligament, Fallopian tube, Fimbriae, uterus, perimetrium, myometrium, endometrium, cervix, vagina, broad ligament, suspensory ligament, labium majora, labium minora, clitoris, mons pubis, prepuce of clitoris, hymen, urethral opening, vestibule

**Ovary:** Ovarian ligament, primary follicles, secondary follicle, Graafian follicle, ruptured follicle (ovulation), corpus luteum, corpus albicans, ovulated ovum, fertilized ovum.

**Menstrual cycle:** Proliferative endometrium, secretory endometrium, menstruation

**Embryonic and fetal stages:** Chorion, amnion, allantois, yolk sac, placenta, umbilical cord.

**Breast:** Pectoralis major, pectoral fat pad, suspensory ligaments, lobes of mammary glands, lactiferous duct, ampulla/lactiferous sinus, nipple, areola.

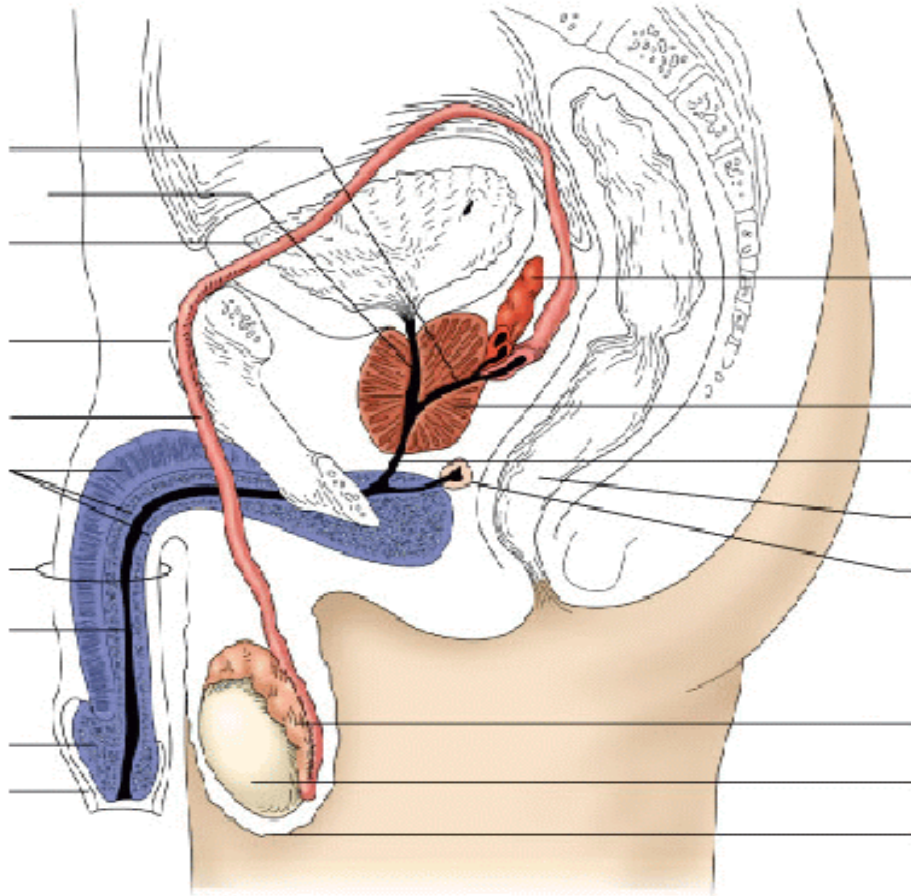
# Reproduction - Male

Label the parts of the diagram using the following terms.

Scrotal sac, testis, prepuce, glans penis, ejaculatory duct, urethra (prostatic), seminal vesicles, prostate gland urinary bladder, pubis, ductus deferens, spongy urethra, shaft of penis, erectile tissue of penis, pubis synthesis, ductus deferens, rectum, bulbourethral gland, epididymis

Match the structure with their functions.

A. Contain and regulate temperature of testes B. sperm and testosterone production, C. Site of sperm maturation D. Transport sperms to seminal versicle E. Sperm nourishment F. Transport sperms to urethra from seminal versicle G. Secrete alkaline fluid to neutralize vaginal acids H. Inflatable tissue with blood during erection I. Tube to discharge semen and urine J. Sensitive part of penis K. Penile lubricating fluid secretion L. Urine storage.



# Reproduction - Female

Label the parts using the following terms.

Anus, rectum, cervix, broad ligament, coccyx, sacrum, suspensory ligament, ovary, uterine tube, fimbriae, ovarian ligament, round ligament, fundus, body urinary bladder, symphysis pubis, urethra, vagina, clitoris, labium minora, labium majora

Match the structure with their functions.

A. contain ova B. finger like processes to direct ovum into fallopian tube C. Passage for ovum into uterus D. Layer of uterus for egg implantation E. Muscular layer of uterus F. outermost layer of uterus G. uterine entrance H. Tube for intercourse and semen deposition I. Storage of feces J. Exit for feces K. Urine storage L. Urine passage M. Large lips protecting vaginal opening N. Small lips protecting vaginal opening O. Very sensitive area of sexual arousal P. Layer separating vagina and rectum

