

# Male + Female

## Reproductive sys:

### — Male

Semen: sperms + seminal fluids  
Accessory sex glands  
testes

Testes: male gonads

system of ducts: epididymis  
vas deferens, ejaculatory duct  
urethra

Accessory sex glands: prostate  
seminal vesicles, bulbourethral gland

supporting structure: penis  
scrotum

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Testes: male gonads, paired structure (RT+LT)  
site of sperm production

2 poles → upper + lower  
2 borders → ant + pos  
2 surfaces → med + lat

develop in the posterior abdominal wall, descend before birth to the inguinal canals then scrotum.

→ Tunica vaginalis → visceral + parietal  
→ " abuginea → fibrous tissue

# Scrotum: supporting structure of testes

↳ cutaneous bag (skin) contains

anterior abdominal wall

فرد بيحي من

- 2 epididymis
- 2 testes
- lower part of spermatic cords

## Structures of Scrotum

2+6 → responsible of regulating Temp of regulating Temp

Should be (2-3) below the body Temp

- Skin
- ② Dartos Muscle
- Deep membranous layer
- external spermatic fascia
- Internal spermatic fascia
- ⑥ Cremasteric muscle and fascia
- parietal layer of tunica vaginalis

penis: supporting structure, passageway for ejaculation of semen + urine.

consists of 3 parts

- root
  - bulb
  - crus
- body → freely movable part
- glans penis → foreskin حوالها يكون على Circumcision بنيت بلبه

There are 

- 2 dorsolateral masses (Corpora cavernosa)
- one ventromedial mass (Corpus spongiosum)

supporting ligaments 

- fundiform suspensory inferior of linea alba pubic symphysis

# System of ducts

**epididymus** : The first part above the testes  
consists of → head, body, Tail

**vas deferens** : long, narrow, Muscular  
ejaculatory & epi in sperms  
**The longest one** في sperm نترن!

**Ejaculatory duct** : union of seminal vesicle + terminal part of ducts deferens

**urethra** : Reproductive + urinary systems  
consists of 3 parts  
→ prostatic  
→ membranous  
→ spongy  
penis موجود به

# Accessory sex glands

Location is so

**IMPORTANT**

**Seminal vesicle** : paired

**Location** : posterior of urinary bladder  
Anterior to the rectum  
secret 60% of semen → alkaline

**prostate** : paired,

**Location** : inferior to the bladder  
Anterior to the rectum  
secret 25% of semen → acidic

**Bulbourethral glands (Cowper's glands)**  
paired

**Location** : inferior to the prostate  
secret alkaline substances

Acidity of urine ↓ حوام

# Female

**Ovaries**: paired structure,

Functions: produce 2ry oocyte + sex hormones  
 has supporting ligaments

estrogen + progesterone  
 inhibin + relaxin

**Broad**: covers the uterus  
**Ovarian**: attach with uterus  
**suspensory**: attach with pelvis

**Uterine tubes**: fallopian tubes, oviducts مجرى نطفه

Location: Laterally or medial + inferior from uterus

Function: transport 2ry oocyte and fertilized ova to uterus

has 3 parts

- infundibulum**: first part, funnel shaped.
- Ampulla**: The longest + wider (site of fertilization)
- Isthmus**: shorter + narrower + medially,

**uterus**: site of embryonic + fetal development

Location: Between rectum + urinary bladder

Ant to rectum, sup + pos to urinary bladder

Function: ① passageway for sperm to reach uterine tubes

② site of implantation (endometrium)

③ if no implantation → menstrual flow.

هنا إما يتربص إنا فيه هو حجرة متغير بسبب العلاقة، فبعض نعرف إنا الأنا  
 ياتي عندها ما يحدث يكون حقا أخصر ويرى ياتي يكون مستويات (الهرمونات  
 عنها عقل برضوا أخصر، أما ياتي كامل أو ولدن جديد يكون كجم أكبر.

consists of 3 parts

**Fundus**: upper part جاء فوق  
**Body**: inferior + narrow  
**Cervix**: inferior part

uterine cavity جوانه (الشيء اسمه) Body هنا ال نحو قلبه عندهم متوري؟ هنا ال

internal os بعضه ال Cervix في جوانه cervical canal يفتحوا مع بعضه من

external os canal يتفتح مع vagina من

**Supporting ligaments**

**Broad**: pelvic  
**uterosacral**: sacrum  
**cardinal**  
**Round**: fibrous connective tissues

في اتواشي إنا ال uterus ال

3 layers

perimetrium

myometrium

endometrium

stratum functionalis  
 ' basalis

Location في ال uterus ال Body ال ant + sup right angle

inf + pos cervix ال ant + sup anteflexion

**right angle**

**anteflexion**



# external Genital organs

mons pubis

labia majora

minora لateral

labia minora

vestibule

Vestibule: vaginal orifice

+ external urethral orifice

clitoris: majora

## Mammary Glands: Breast

Location: ant to pectoralis major + serratus anterior  
تقريباً على 15-20 lobe على نفس عدد دم عن lactiferous  
دوس Lobules يفرز اللبن من Lobes في أمخز منقح

alveoli بدین  
nipple في عن صلب projection  
suspensory ligament اسرها Areola د في عن  
Supporting بيال

function: secret, synthesis, ejaculation of Milk  
أو ختمها ب Lactation  
و طبقاً بين كالاتي اكل أو اولاد كاتين.

Done by: Nour Al-amoush

nerve Batch