female Reproductive System Female Genital System

Done by: Rama Alwraikat

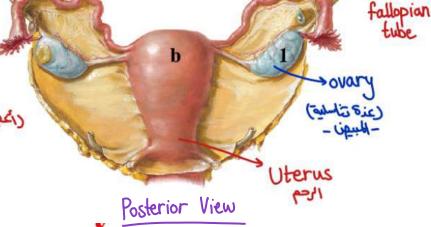


Ovaries.

Genital tract:

- a. Uterine tubes.
- b. Uterus.
- c. Vagina.
- 3. External genitalia. هجان عاملات الموارية
- 4. Breast.

→responsable for feeding the baby



* The ovaries are equivalent to the testes in males.

* They are responsible for:

1. Production of female ova.

2. Production of female sex hormones (estrogen and progesterone). responsable for secondary sexual

* They vary in size and shape enlargement of according to age and stage of menstrual cycle.

* In young adult → each ovary is a flattened ovoid, pinkish-grey in

color.

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* Ovaries are situated one on each side of uterus in a shallow depression, called ovarian fossa on the lateral pelvic wall.

*Sex Glands (Gondas)

Ovaries — females

Testes — Males

uterine

#مع المقدَّم في العربيت ول لون ovary من pink إلى Grey للنصع الإباطة تعكون fibrous tissue يغير الدون

* كل عنه يتم إنتاج بويطة من Vary ويتم التبادل بينهم يعني لوالسهرهاديم إنتاج بويطة من المبيهن الشهر الجاءب من المبيمن المستعمل.



- 1. Medial and lateral surfaces.
- 2. Anterior and posterior borders.
- 3. Upper (tubal) and lower (uterine) poles.

و لفائف

- * The medial surface: is in contact with coils of intestine and on right side frequently with vermiform appendix.
- * Its upper (tubal) pole: is related to the uterine tube.
- * Its lower (uterine) pole → gives attachment to ovarian ligament (which is also attached to uterus).

e)

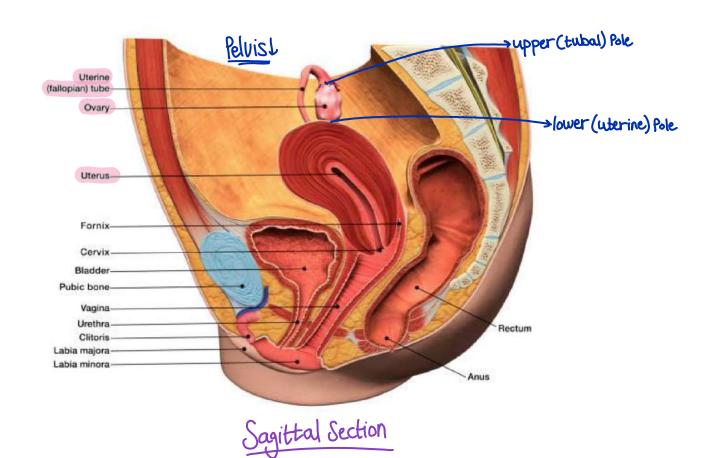
broad
ligament
of the
utreus

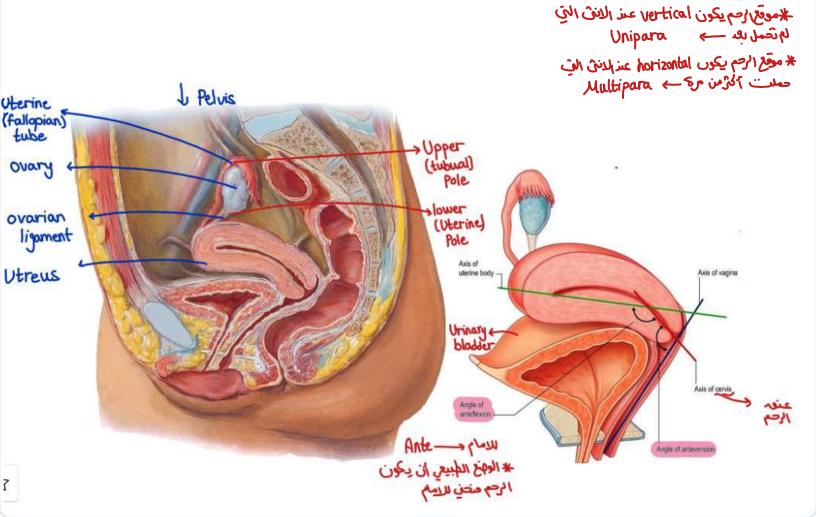
two layer
of fat—
peritoneum)

to

Bload vessels
Nerves
Prices
Pri

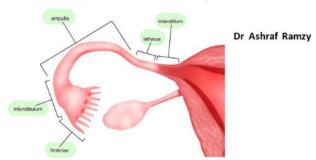
Superior View





Uterine (Fallopian) Tubes 2

- * One on each side.
- * Length: 10 cm long.
- * Situated in free upper border of broad ligament of uterus.
- * They transmit ova from ovary to cavity of uterus.
- * The tube is related to tubal pole of ovary.



* It is divided into four parts:

a. Infundibulum: Is funnel-shaped lateral end, the circumference of which has several finger-like processes called fimbriae. (fimbries >>>)

b. Ampulla: Is the widest and longest potion, making about 2/3 of the whole length of the uterine tube. In it → fertilization of ova takes place.

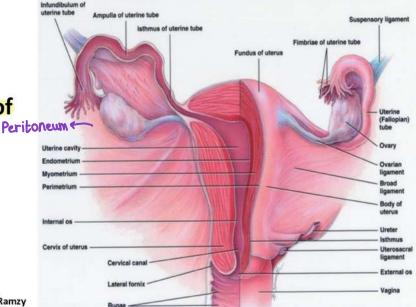
c. Isthmus: Is the narrow, thick-walled medial portion that joins uterus.

d. Uterine Part: Is the segment of the tube, which runs through uterine Ectopic wall.

Pregnancy

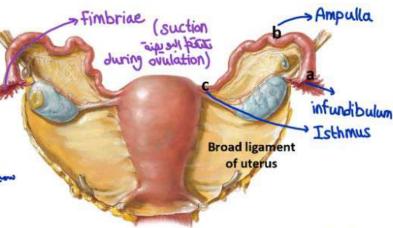
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or Intra mural Part



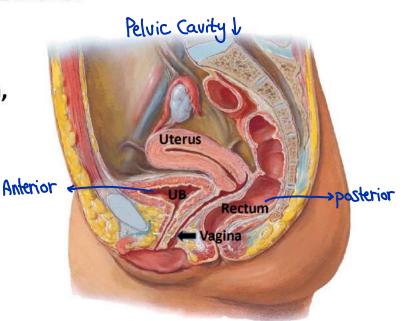
مينه ند دهمت عين هنايندن و peritoneum عِجَالَ مَفْتِدَه * external نومانيت ن Pathogens مدسيانه uterine tube environment to peritoneum

> peritonitis مند نامجي بنام لانار سلادطه peritoneum completly closed



Uterus

- * Is a hollow thick-walled muscular organ.
- * It serves as a site for reception, retention and nutrition of fertilized ovum.
- * It is situated in pelvic cavity, between urinary bladder (UB) anteriorly, and rectum posteriorly.
- * Its cavity communicates with that of vagina.



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Perimetrium

Perimetrium

* The uterus is formed of two main parts:

A. Body:

- * It forms the upper 2/3 of the uterus, including the fundus of uterus and the isthmus.
- * The fundus is the dome-shaped part of body that lies above the entrance of uterine tubes.
- * The isthmus is the lower constricted region of body (about 1 cm) just above the cervix. (joins the body with the cervix)
- * The body of the uterus lies between the two layers of broad ligament and is freely movable. → peritoneum
- * The cavity of the body (uterine cavity) is triangular in coronal section.
- * It is continuous inferiorly with the cervical canal.

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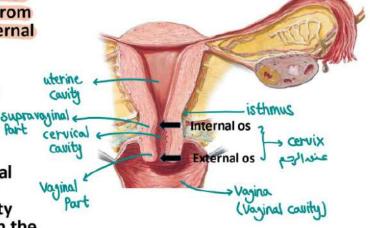


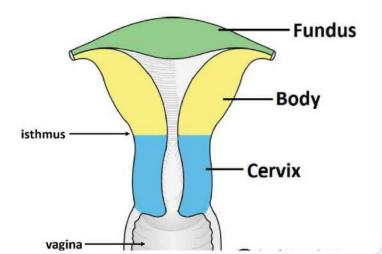
→lower 1/3 of the utreus B. Cervix:

* It is the cylindrical narrow inferior part of the uterus that extends from the internal os above to the external os below.

* It has a supravaginal part that extends from the isthmus to the vagina and a vaginal part that protrudes into the vagina and surrounds the external os.

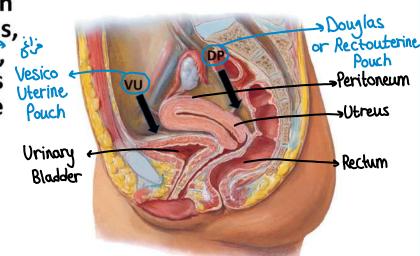
> * The cavity of the cervix (cervical canal) is continuous through the internal os with the uterine cavity and through the external os with the vaginal cavity.

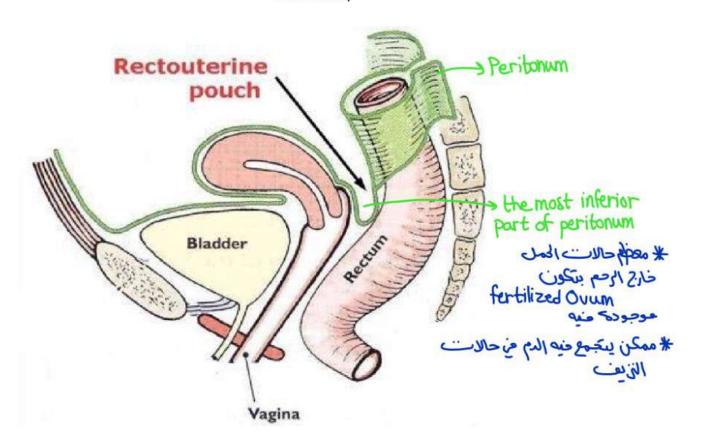




* The peritoneum passes from anterior surface of rectum on to posterior surface of uterus, forming Douglas pouch (DP), and then curves over fundus to reach the anterior surface of the uterus.

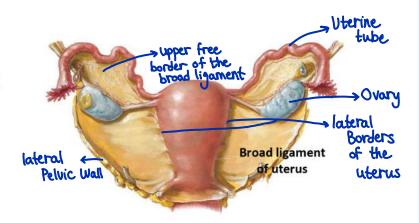
* The peritoneum is then reflected forwards on to superior surface of urinary bladder, forming a shallow recess, called vesico-uterine (VU) pouch.

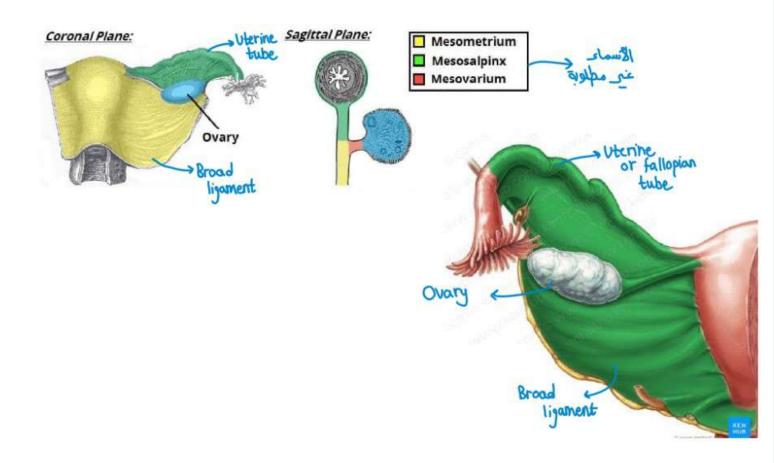




* Broad ligament of Uterus:

- * The peritoneum covers the anterior and the posterior surfaces of the uterus.
- * On each side → the two peritoneal layers are expanded laterally from the lateral borders of the uterus to the lateral pelvic walls to form the broad ligament.
- * Superiorly → the two layers are continuous and form the upper free border of the broad ligament. This border contains the uterine tubes.



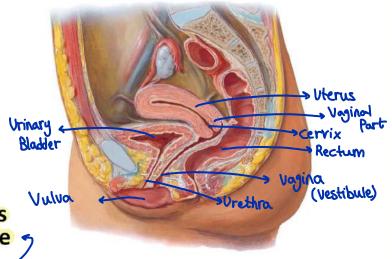


Vagina

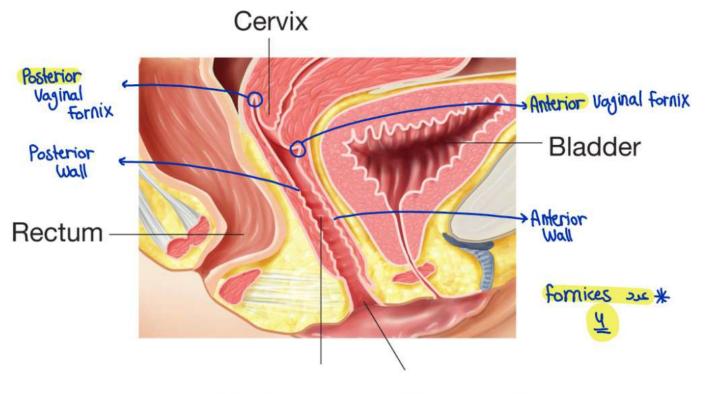
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- * Length: about 8 cm long.
- * Situated between the urinary bladder and the urethra anteriorly and the rectum posteriorly.
- * It extends downwards and forwards from the cervix to the vulva, where it opens into the vestibule.
- * Its anterior wall is short, pierced superiorly by cervix, which projects downwards and backwards into the vagina. Its posterior wall is longer.

Myy? -



الطول يختلف من إنسان لإنسان الخدالي وthricity وحب Block females
بنكون مناهم الموانم بنكون المبائد females



Vagina

Vagina orifice

B. Breast or Mammary Gland

* The breasts are two modified sweat glands that produce milk instead of sweat.

* Each breast has one pigmented projection called nipple, which is surrounded by a colored area of skin termed areola.

* The breast tissue consists of a system of ducts embedded in connective tissue. (fat-adipose tissue)

* Nipple & Areola become darker after the first pregnancy & never come to their original color again

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- * At puberty in female, mammary glands gradually enlarge and assume their hemispherical shape under the influence of pituitary, ovarian, and other hormones.
- * The ducts elongate, but the increase in the size of the gland is mainly due to deposition of fat.
- * The deep surface (base) overlies pectoralis major, and to a less degree, serratus anterior and external oblique muscles. (superfichial)
- * The base extends vertically from 2nd
 6th rib, and horizontally from sternal border to mid-axillary line.

خط بنهف للإبط

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Pectoral branch of thoracoacromial artery

Lateral thoracid artery

Lateral axillary nodes

Central axillary nodes

Lateral thoracid artery

Lateral axillary nodes

Pectoral axillary nodes

Lateral thoracid artery

Lateral axillary nodes

Asilbry process

The transport of the breast arringer part of the breast into axillary branches of internal financial part of the breast parasternal nodes

Lymphatic and venous drainage passes from medial part of the breast parasternal part of the breast parasternal part of the breast parasternally

Pectoralis major and minor

Axillary tail of Spence

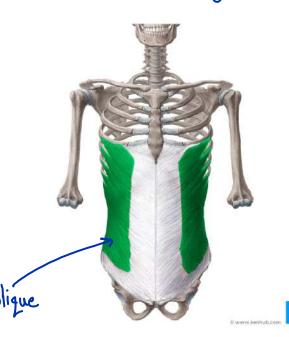
Latissimus dorsi

Serratus anterior

Rectus abdominus

External Oblique

Breast Cancer *
Axillary lymph is july
nodes
Notes ald in a july
Mastectomy objecting
Taking by tail of Breast



- * Each breast consists of 15 20 independent units called breast lobes separated by fibrous septa. Connective bissue
- * A lobe consists of several ducts that empty into one terminal distal duct, the lactiferous duct, which opens onto the nipple.
- * Immediately before emerging at the nipple, the lactiferous duct forms a dilatation called lactiferous sinus.

*Not a single opening is present in Nippl but Multiple openings.

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