

# Female Reproductive System

Reproductive block-Anatomy-Lecture

Editing file
Summary file



#### Color index:

**■** Girls' slides

Boys' slides

■Main content
■Important

Extra
Drs' notes













Special thanks for 438's team and their leaders for allowing us to use their team , we truly appreciate it  $\heartsuit$ 

# **Objectives**

## At the end of the lecture, students should be able to:

- List the organs of female reproductive system.
- Describe the pelvic peritoneum in female.
- Describe the position and relations of the ovaries.
- List the parts of the uterine tube.
- Describe the anatomy of uterus regarding: subdivisions, cavity, relations, ligaments & main support.
- Describe the anatomy of vagina regarding: structure, extent, length & relations.
- Describe the supply (arteries, veins, lymph, nerves) of female reproductive system.

#### **Useful Links:**

- Kenhub
- <u>Teach me anatomu</u>
- Amboss

# Pelvic peritoneum in female

The pelvis in a female is covered internally with a thin translucent peritoneal membrane continuous with that of the abdominal cavity, and it forms 3 important structures; Douglas pouch, uterovesical pouch and the broad ligament.

The peritoneum extends from the abdomen to the pelvis and it completely surrounds the sigmoid colon and sigmoid mesocolon and at the rectum:

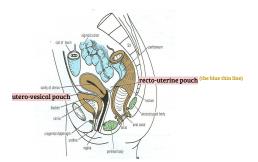
- The upper one third is covered from the front and sides.
- The middle one third is covered only from the front.
- The lower one third and the anal canal are NOT covered by pertonium.
- The cervix anteriorly is not covered by the peritoneum.

#### 1- Rectouterine (Douglas) pouch

Reflection of peritoneum from rectum (junction of middle one third and lower one third) to upper part of posterior surface of vagina.

Used in the treatment of end stage renal failure in patients who are treated with peritoneal dialysis in which the tip of dialysis catheter is placed into the deepest point of the pouch.

(Clinical importance: this is where pus and fluid collects in a pelvic infection as it is the farthest point in the abdominopelvic cavitu)



#### 2- Uterovesical (vesicouterine) pouch:

Reflection of peritoneum from uterus to upper surface of urinary bladder.



### covered by the peritoneum and the extent of this covering is the broad ligament (It encloses the ovaries and the uterine tube). It has 3 parts: Mesosalpinx, Mesovarium and Mesometrium

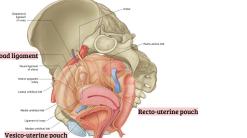
3- Broad ligament of uterus:

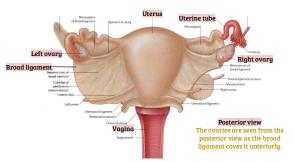
Extension of peritoneum from lateral wall of uterus

-imagine the uterus and vagina is a person laying down with their hands open (uterine tube) so wide to the back with his fingers

(fimbrige) closed posteriorly grabbing the ovaries and then this is

to lateral wall of pelvis, encloses the uterine tubes.

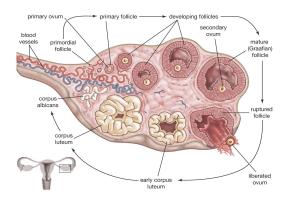


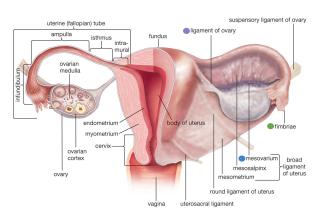




## The Ovaries

- Primary sex organs in female (Primary organs are the organs that produce the gametes (Ovaries and Testes). The secondary sex organs in females are the uterine glands, uterus and vagina.)
- It is an almond-shaped organ
- They dialaise against the lateral wall of the pelvis in the ovarian fossa
- It is attached to the back of the broad ligament by a peritoneal fold ( mesovarium & the other parts of the broad ligament are important in keeping the ovaries in its place and position. The position of the ovaries are variable but usually are found hanging down in rectouterine pouch while during pregnancy the enlarging uterus will pull up the ovaries in the abdominal cavity)
- Its medial end is attached to the uterus by the ligament of the ovary
- Its <u>lateral</u> end is related to the fimbriae of the uterine tube they are finger like projections that have an important function which is grabbing the ovulated follicle from ovaries into fallopian tube
   Doctor: Do not forget the relations
- Function: Production of female germ cells (Oocyte/egg), Secretion of female sex hormones (estrogen & progesterone)

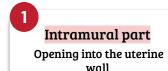






# The uterine (fallopian) tubes

- It is 10 cm long
- It is enclosed in the broad ligament of uterus
- Function: Site of fertilization, Transport of fertilized ovum into the uterus
- Divided into:

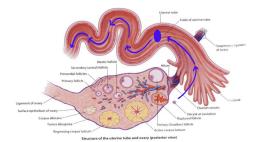


**Isthmus** Narrowest part

## **Ampulla**

### Widest part (site of fertilization)

Equipped everything for the fertilization (the tissue lining of this area and the micro-environment signals all help the fertilization happens)



#### Infundibulum

#### funnel- shaped end, has finger-like processes (fimbriae), related to ovary

fimbriae grabs the ovulated follicles into fallopian tube and cause the meeting of the sperm if it is at the ampulla.

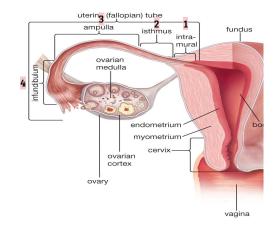


🕥 Usually women are born with approximately 2 millions eggs in their ovaries. Before puberty about 11 thousands of these eggs die in every month. At puberty a woman has only about 400 thousands eggs remaining in her ovaries and after puberty a women will lose one thousand eggs every month instead of 11 thousands and only one of the one thousand follicles will mature and reach to the fallopian tubes, this phenomenon of the degeneration/duing of this huge number of eags is independent of any hormonal production, pregnancy, nutritional supplements, lifestyle, birth controlling pills. Basically independent of any process or anything that could be done even ovulation inhibition or stimulation and nothing will stop the death of one thousands eags every month. This means out of the 2 millions follicles only about 400 follicles will be matured during the whole life of the woman. After menopause (age 50-55) only very little or no follicles remain in her ovaries.



📝 In females , the uterine tube penetrates the peritoneal cavity and uterine cavity... When ovulation happens the fimbriae of the uterine tube penetrates the peritoneal cavity and the ovaries and then grabs the occute and takes it to the uterine tube where it goes to the ampulla to await the sperm for fertilization . After fertilization the fertilized egg forms a zygote which continues dividing till it forms about 52 to 60 cells (the isthmus helps the fertilized egg to divide more as it is narrow which slows the arrival to the uterus) after 6 to 7 days it arrives at the uterus for more division.

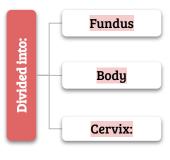
In males, the peritoneal cavity is completely closed





## The Uterus

- A hollow, pear-shaped muscular organ because it expands during pregnancy and contracts during birth. At time of pregnancy it expands till it almost reach the symphysis pubis. After birth, it shrinks back but mostly not to its original size especially in case of multiple pregnancies.
- Function: maintaining pregnancy



- No cavity
- Implantation site
- Above the level of uterine tubes
- Cavity is triangular largest part of uterus
- From the level of uterine tube to the level of the isthmus of uterus
- Cavity is fusiform
- Below the level of the isthmus of the uterus
- Divided into: Supravaginal part above the vagina, Vaginal part

## **Relations of uterus**

Fundus + body + supravaginal part of cervix

#### **Anterior**

Superior surface of urinary bladder

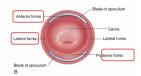
**Posterior** 

Sigmoid colon

Lateral

Uterine artery

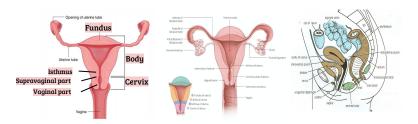




Don't forget we have an isthmus in the uterine tube and in the uterus In the uterine tube, it is a narrow part between the the intramural part and the ampulla

In the uterus, it is the junction between the body and the cervix.

-Anatomical parts of the uterus can be differentiated even before opening it.



The vaginal wall surrounding the vaginal part is called fornix plural: fornices

The peritoneum is a covering not a relation.

Vaginal part of cervix ( surrounded by vaginal fornices )

#### Anterior

Anterior fornix of vagina

#### **Posterior**

Posterior fornix of vagina

#### Lateral

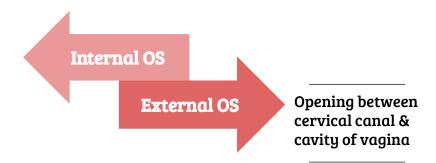
Lateral fornices of vagina

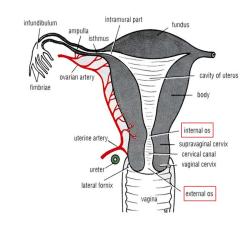


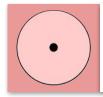
## The Uterus: cervical canal

Cervical canal is the extend from the internal OS to the external OS.

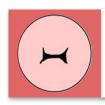
Opening between cavity of body of uterus & cavity of cervix (cervical canal)





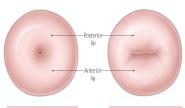


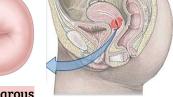
In a **nulliparous** woman: external os appears circular (Woman who didn't give birth, external os appears intact)



In a **multiparous** woman: external os appears as a transverse slit with an anterior & a posterior lip

(B/c during birth there will be expansion of the muscles and this will form these lips)





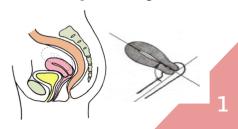
Nulliparous Multiparous

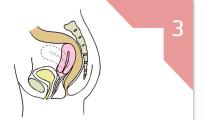
## **★ Positions of uterus**

All of these positions are considered normal Ante-meaning anteriorly where retro-means to the back . Everted مثلّني and flexed مثلّن

## Anteverted uterus

long axis of **whole uterus** is bent forward on long axis of **vagina** 





#### **Retroverted uterus**

Fundus & body of uterus are bent backward on the vagina and lie in rectouterine pouch

### Anteflexed uterus

long axis of **whole body** is bent forward on long axis of **cervix** 





## **Retroflexed Uterus**

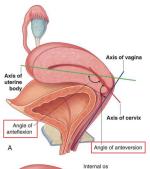
Long axis of **body** of uterus is bent backward on long axis of **cervix** 



Before embryo transfer, IVF cycle they have to check the position of the uterus to make sure it will be transferred in the correct position

## Usual position of uterus

usual انا بحب كلمة : doctor





## **Anteverted Anteflexed Uterus**

Most females have this position (about 75%)



## **Uterus**

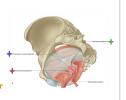
## Ligaments of uterus

Ligaments At junction between fundus & body of uterus (At the level of uterine tube)

- Extends through inguinal canal to labium majus
- They are Round ligament (anterior to the uterine tube) and ovarian ligament (posterior to the uterine tube)

Ligaments of cervix, ligaments of uterus are attached to vervia & vagina

- ★ Extend from cervix to pelvic wall: (Veryyy important)
- Anterior portion as a pubocervical ligament they pass the posterior cervix from pubis and
  positions on either sides of bladder and give the bladder some support
- Lateral portion as a transverse cervical or cardinal ligament They pass to the cervix and
  upper part of vagina from the lateral wall of pelvis. The strongest one.
- Posterior portion as an uterosacral or sacrocervical ligament it passes to cervix and upper end of vagina from the end of sacrum



#### Ligament of the uterus:

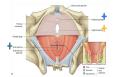
- 1. anteriorly at the level of the uterine tube :round ligament of the uterus .
- In males embryology; the gubernaculum pulls the testis by contraction (shortening of the ligament) then it passes through the inguinal ligament till the testis arrive to the scrotum then the gubernaculum disappears
- while in females embryology ,the gubernaculum pulls the ovaries toward the uterus and then it persists (does not disappear) but instead becomes the round ligament of the uterus, which helps in :
- directing the angle of uterus
- maintaining the angle of the uterus
- 2. posteriorly to the medial end of the ovaries: ligament of the ovaries; They help in the stability of the ovaries in their position.

## Muscles (Levator Ani Muscle)

- Form the pelvic floor: separate pelvis from perineum
- Form the pelvic diaphragm: traversed by urethra, vagina & rectum

Function: Support pelvic organs





### Clinical Anatomy: Uterine prolapse

Downward displacement of uterus due to damage of:

- Ligaments of uterus at level of uterine tube
- Levator ani muscles

In severe cases it can be seen from outside.

It can be due to many causes which include: repeated pregnancy( vaginal delivery), weakness of levator ani, surgery, weakness in the nerve supply etc







### **Support Of Uterus**

- 1- Round ligament of uterus (maintains anteverted & anteflexed position
- 2- ligaments of cervix (especially transverse cervical)
- 3- Levator Ani muscles

# Vagina

- Structure: It's Fibromuscular tube because during delivery it will expand
- Extent: from external os, along pelvis & perineum, to open in the vulva (female external genitalia),
   behind urethral opening
- **Vagina fornices (arches):** are the superior portions of the vagina, extending into the recesses created by the vaginal portion of cervix.
- Length: Its anterior wall (7.5 cm) is shorter than its posterior wall (9 cm) The difference in length is due to the position of uterus. (This is in case of anteverted anteflexed uterus it is the opposite in case of retroverted retroflexed)
- Functions:
- 1) Copulatory organ
- 2) Birth canal (In case of vaginal delivery)

## Relations of the vagina

#### **Anterior**

Urinary bladder (in pelvis) & urethra (in perineum)

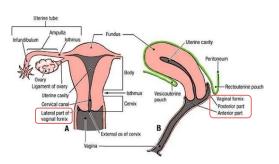
#### Lateral

#### Ureters (in pelvis)

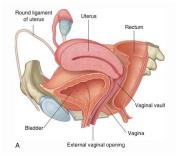
It comes from the back going lateral to the vagina in order to open in the urinary bladder

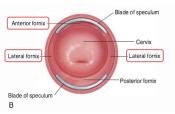
#### **Posterior**

Rectum (in pelvis) & anal canal (in perineum)





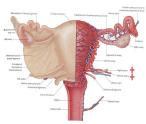


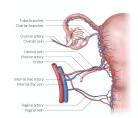


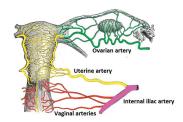


# **Arterial supply**

Organ	Arteries	Veins	Lymphatics	
Ovaries	Ovarian (branch of abdominal aorta)	Ovarian (drain to inferior vena cava & left renal vein)	To paragortic lymph nodes (in abdomen) also called the sentinel lymph nodes and are the first ones to drain a metastasizing cancer (e.g. ovarian cancer)	Ovarian plexus (in abdomen)
Uterine tubes	-Ovarian (lateral) -Uterine. (Medial)	-Ovarian -Uterine	-Paraaortic -Internal iliac	-Ovarian -Inferior hypogastric
Uterus	Uterine (branch of internal iliac artery in pelvis)	Uterine plexus (drain to internal iliac vein)	To internal iliac lymph nodes (in pelvis)	Inferior hypogastric plexus (in pelvis)
Vagina	Vaginal (branch of internal iliac artery in pelvis)	Vaginal plexus (drain to internal iliac vein)		









- Most structures in the pelvis are supplied by internal iliac arteru.

### -Mainly the internal iliac artery gives 2 blood supplies:

1)uterine arteru

It is very tortuous artery why? tortuous arteries are caused by one of the 2 reasons either:

- \*It supplies a movable organ (e.g. lingual artery supplying the tongue and facial artery )
- \* It supplies a extensile artery to prevent the rupture of the artery as when pregnancy happens and the uterus size increase the tortuosity of the artery disappears (e.g. uterine artery)

#### 2)vaginal artery

- The ovaries were in the abdomen then the round ligament of the uterus pulls them to the pelvis (internal descend) and that why they are supplied by the abdominal aorta (not supplied by internal iliac artery)
- -Uterine tube is the only part having 2 blood supplies the medial part is from the uterine arteru(same as uterus) and the lateral part is from the ovarian artery ( same as ovaries)



Uterine artery passes from the internal iliac artery and crosses above the ureter and reaches the cervix at the level of external os this is important clinically for the surgeon when performing hysterectomy to differentiate and distinguish between the uterine artery and the ureter.

mnemonic= "Water under the bridge" means: water (urine=ureter) is inferior to the bridge (uterine artery)



Remember: the supply to the ovaries and part of uterine tubes is always from the abdomen (abdominal aorta). While the supply of the uterus and vagina and part of the uterine tubes is always from the pelvis (internal iliac artery).



# **QUIZ**

Q1: Regarding the female reproductive organs, which one of this statement is correct? A. The ampulla is the most medial part of the uterine tube. B. The rectum is anterior to the vagina. C. The ovarian artery is a branch of the internal iliac artery of the pelvis. D. The uterine tube is enclosed in the broad ligament of the uterus. D. Infundibulum Q2: Which one of the following structures is related to the lateral end of the ovary? A. Fimbriae of uterine tube B. Arpulla of uterine tube C. Ligament of ovary D. Round ligament of uterus Q3: Which one of the following structures is anterior to the uterus? D. Uterine tubes Q3: Which one of the following structures is anterior to the uterus? A. Urinary bladder B. Uterus C. Sigmoid colon C. Sigmoid colon D. Ovary D. Superficial inguinal Q4: Which of the following is supplied by the ovarian artery? A. Ovaries & uterus B. Ovaries & uterus B. Ovaries & uterus C. Uterine tubes C. Uterine tubes & uterus D. Uterus & vagina D. Uterine tubes C. Uterine tubes & uterus D. Uterine tubes			
B. The rectum is anterior to the vagina.  C. The ovarian artery is a branch of the internal iliac artery of the pelvis.  D. The uterine tube is enclosed in the broad ligament of the uterus.  D. Infundibulum  Q2: Which one of the following structures is related to the lateral end of the ovary?  A. Fimbriae of uterine tube  B. A. Vagina  B. A. Vagina  B. Uterus  C. Ligament of ovary  D. Round ligament of uterus  Q3: Which one of the following structures is anterior to the uterus?  A. Urinary bladder  B. Uterus  C. Sigmoid colon  D. Ovary  Q4: Which of the following is supplied by the ovarian artery?  A. Ovaries & uterus  B. Ovaries & uterus  C. Uterine tubes  C. Uterine tubes & uterus  D. Uterus  C. Descriptional inguinal  Q4: Which of the following is supplied by the ovarian artery?  A. Ureter  C. Ovaries  D. Uterus  C. Ovaries  D. Uterus  C. Ovaries  D. Uterus  C. External linguinal  Q6: Which one of the following structures is lateral to the Vagina?  A. Ureter  C. Ovaries & uterus  D. Ovaries & uterus  D. Ovaries  D. Uterus  C. Ovaries  D. Uterus & vagina  D. Uterus & vagina  D. Uterine tubes	Q1: Regarding the female reproductive organs, which one of this statement is correct?	Q5: Which of the following parts is the site of fertilization?	
C. The ovarian artery is a branch of the internal iliac artery of the pelvis.  D. The uterine tube is enclosed in the broad ligament of the uterus.  Q2: Which one of the following structures is related to the lateral end of the ovary?  A. Fimbrice of uterine tube  B. A. Vagina  B. Ampulla of uterine tube  C. Ligament of ovary  D. Round ligament of uterus  Q3: Which one of the following structures is anterior to the uterus?  Q7: Which groups of lymph nodes are the sentinel nodes in cases of ovarian cancer?  A. Urinary bladder  B. Uterus  C. Sigmoid colon  D. Ovary  Q4: Which of the following is supplied by the ovarian artery?  A. Ovaries & uterus  B. Ovaries & uterus  B. Ovaries & uterus  C. Ovaries  D. Uterine tubes  C. Ovaries  D. Uterus  C. Ovaries  D. Uterus  D. Uterus  C. Ovaries  D. Uterine tubes  C. Ovaries  D. Uterine tubes	A. The ampulla is the most medial part of the uterine tube.	A. Intramural part	
D. The uterine tube is enclosed in the broad ligament of the uterus.  Q2: Which one of the following structures is related to the lateral end of the ovary?  A. Fimbriae of uterine tube  B. Anyagina  B. Aureus  C. Ligament of ovary  D. Round ligament of uterus  Q3: Which one of the following structures is anterior to the uterus?  A. Urerine tubes  Q7: Which groups of lymph nodes are the sentinel nodes in cases of ovarian cancer?  A. Urinary bladder  B. Uterus node  C. Sigmoid colon  D. Ovary  Q4: Which of the following is supplied by the ovarian artery?  A. Ovaries & uterus  B. Ovaries & uterus  B. Ovaries & uterus  C. Ovaries  D. Uterine tubes  C. Ovaries  D. Uterus  C. Ovaries  D. Uterine tubes  C. Ovaries  D. Uterus  D. Superficial inguinal  Q6: Which one of the following structures is lateral to the Vagina?  A. Ureter  D. Uterine tubes & uterus  D. Uterine tubes & uterus  D. Uterine tubes & uterus  D. Uterine tubes  D. Uterine tubes  D. Uterine tubes	B. The rectum is anterior to the vagina.	B. Isthmus	
Q2: Which one of the following structures is related to the lateral end of the ovary?  A. Fimbriae of uterine tube  B. Aurous  C. Ligament of ovary  D. Round ligament of uterus  Q3: Which one of the following structures is anterior to the uterus?  A. Urrinary bladder  B. Uterus  C. Sigmoid colon  D. Ovary  D. Superficial inguinal  Q4: Which of the following is supplied by the ovarian artery?  A. Ovaries & uterus  B. Ovaries & uterus  A. Ureter  B. Uterus  C. External iliac  D. Superficial inguinal  Q4: Which of the following is supplied by the ovarian artery?  A. Ureter  B. Ureter  C. Ovaries & uterus  D. Uterine tubes & uterus  D. Uterine tubes  C. Ovaries  D. Uterine tubes	C. The ovarian artery is a branch of the internal iliac artery of the pelvis.	C. Ampulla	
A. Fimbriae of uterine tube B. Ampulla of uterine tube C. Ligament of ovary C. Ovaries D. Round ligament of uterus D. Which one of the following structures is anterior to the uterus? C. Which groups of lymph nodes are the sentinel nodes in cases of ovarian cancer? A. Urinary bladder A. Paraaortic B. Ureter B. Uterus node C. Sigmoid colon C. External iliac D. Ovary D. Superficial inguinal Q4: Which of the following is supplied by the ovarian artery? A. Ovaries & uterus A. Ureter B. Ovaries & uterus C. Uterine tubes & uterus D. Uterine tubes D. Uterine tubes D. Uterine tubes D. Uterine tubes	D. The uterine tube is enclosed in the broad ligament of the uterus.	D. Infundibulum	
B. Ampulla of uterine tube C. Ligament of ovary C. Ligament of ovary C. Ovaries D. Round ligament of uterus D. Uterine tubes Q3: Which one of the following structures is anterior to the uterus? A. Urinary bladder A. Paraaortic B. Ureter B. Uterus node C. Sigmoid colon C. External iliac D. Ovary D. Superficial inguinal Q4: Which of the following is supplied by the ovarian artery? A. Ovaries & uterus A. Ureter B. Ovaries & uterus C. Uterine tubes & uterus C. Uterine tubes & uterus D. Uterus & vagina D. Uterine tubes	Q2: Which one of the following structures is related to the lateral end of the ovary?	Q6: Production of female germ cells is the function of which of the following?	
C. Ligament of ovary  D. Round ligament of uterus  O3: Which one of the following structures is anterior to the uterus?  A. Urinary bladder  B. Ureter  C. Sigmoid colon  C. External iliac  D. Ovary  O4: Which of the following is supplied by the ovarian artery?  A. Uriters & uterus  A. Ureter  C. Sigmoid colon  D. Superficial inguinal  O4: Which of the following is supplied by the ovarian artery?  A. Ureter  B. Uterus  C. Ovaries & uterus  C. Uterine tubes & uterus  D. Uterine tubes  D. Uterine tubes  D. Uterine tubes	A. Fimbriae of uterine tube	A. Vagina	
D. Round ligament of uterus  Q3: Which one of the following structures is anterior to the uterus?  A. Urinary bladder  B. Ureter  C. Sigmoid colon  C. External iliac  D. Ovary  D. Superficial inguinal  Q4: Which of the following is supplied by the ovarian artery?  A. Ureter  A. Ureter  C. Sigmoid colon  C. External iliac  D. Superficial inguinal  Q4: Which of the following is supplied by the ovarian artery?  A. Ovaries & uterus  B. Ovaries & uterus  C. Uterine tubes  C. Uterine tubes  D. Uterus  C. Ovaries  D. Uterine tubes  D. Uterine tubes	B. Ampulla of uterine tube	B. Uterus	
Q3: Which one of the following structures is anterior to the uterus?  A. Urinary bladder  B. Ureter  C. Sigmoid colon  D. Ovary  D. Superficial inguinal  Q4: Which of the following is supplied by the ovarian artery?  A. Ureter  A. Ureter  B. Uterus node  C. External iliac  D. Superficial inguinal  Q4: Which of the following is supplied by the ovarian artery?  A. Ovaries & uterus  B. Ovaries & uterine tubes  C. Uterine tubes & uterus  D. Uterus & vagina  D. Uterine tubes	C. Ligament of ovary	C. Ovaries	
A. Urinary bladder B. Ureter B. Uterus node C. Sigmoid colon C. External iliac D. Ovary D. Superficial inguinal Q4: Which of the following is supplied by the ovarian artery? Q6: Which one of the following structures is lateral to the Vagina? A. Ovaries & uterus A. Ureter B. Ovaries & uterine tubes B. Uterus C. Uterine tubes & uterus D. Uterus & vagina D. Uterine tubes	D. Round ligament of uterus	D. Uterine tubes	
B. Uterus node C. Sigmoid colon C. External iliac D. Ovary D. Superficial inguinal Q4: Which of the following is supplied by the ovarian artery? Q6: Which one of the following structures is lateral to the Vagina? A. Ovaries & uterus A. Ureter B. Ovaries & uterine tubes B. Uterus C. Uterine tubes & uterus D. Uterus & vagina D. Uterine tubes	Q3: Which one of the following structures is anterior to the uterus?	Q7: Which groups of lymph nodes are the sentinel nodes in cases of ovarian cancer?	
C. Sigmoid colon  D. Ovary  D. Superficial inguinal  Q4: Which of the following is supplied by the ovarian artery?  A. Ovaries & uterus  B. Ovaries & uterine tubes  C. Uterine tubes & uterus  C. Uterine tubes & uterus  D. Uterus & vagina  C. External iliac  D. Superficial inguinal  Q6: Which one of the following structures is lateral to the Vagina?  A. Ureter  C. Ovaries  D. Uterine tubes	A. Urinary bladder	A. Paraaortic	
D. Superficial inguinal  Q4: Which of the following is supplied by the ovarian artery?  A. Ovaries & uterus  B. Ovaries & uterine tubes  C. Uterine tubes & uterus  C. Uterine tubes & uterus  D. Superficial inguinal  Q6: Which one of the following structures is lateral to the Vagina?  A. Ureter  B. Uterus  C. Ovaries  D. Uterine tubes	B. Ureter	B. Uterus node	
Q4: Which of the following is supplied by the ovarian artery?  A. Ovaries & uterus  B. Ovaries & uterine tubes  C. Uterine tubes & uterus  C. Uterine tubes & uterus  D. Uterus & vagina  Q6: Which one of the following structures is lateral to the Vagina?  A. Ureter  B. Uterus  C. Ovaries  D. Uterine tubes	C. Sigmoid colon	C. External iliac	
A. Ovaries & uterus  B. Ovaries & uterine tubes  C. Uterine tubes & uterus  C. Uterus & vagina  D. Uterus & vagina  A. Ureter  B. Uterus  C. Ovaries	D. Ovary	D. Superficial inguinal	
B. Ovaries & uterine tubes C. Uterine tubes & uterus C. Ovaries D. Uterus & vagina D. Uterine tubes	Q4: Which of the following is supplied by the ovarian artery?	Q6: Which one of the following structures is lateral to the Vagina?	
C. Uterine tubes & uterus  D. Uterus & vagina  C. Ovaries  D. Uterine tubes	A. Ovaries & uterus	A. Ureter	
D. Uterus & vagina D. Uterine tubes	B. Ovaries & uterine tubes	B. Uterus	
	C. Uterine tubes & uterus	C. Ovaries	
	D. Uterus & vagina	D. Uterine tubes	

## Members board

This amazing lecture was originally done by 438's team

## Team leaders

Abdulrahman Shadid



Ateen Almutairi

Member

Amirah Al-Zahrani

Edited by 439's team

## Team leaders

Mohammed Alshunaif



Sarah AlQuwayz

## **Note Taker**

**Farah Alsayed** 

**Shaden Alobaid** 

Member

Reviser

**Raghad Soaeed** 

Muneerah Alsadhan