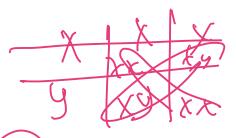
REPRODUCTION

* Who is Responsible for Bringing males + females?

(For Sure made (XY) - that's why the male detect

the Sex whereas Females Have (XX) genes so they will

only give X.





We have 46 chromosomes — they are 23 Pairs which means that each 2 chromosomes are identical 80 200 pys but there is one pair that is expected — only Homologus in Females (200) but not in males (K4)

Atluman has 22 Idatical
Reins of chromosomes

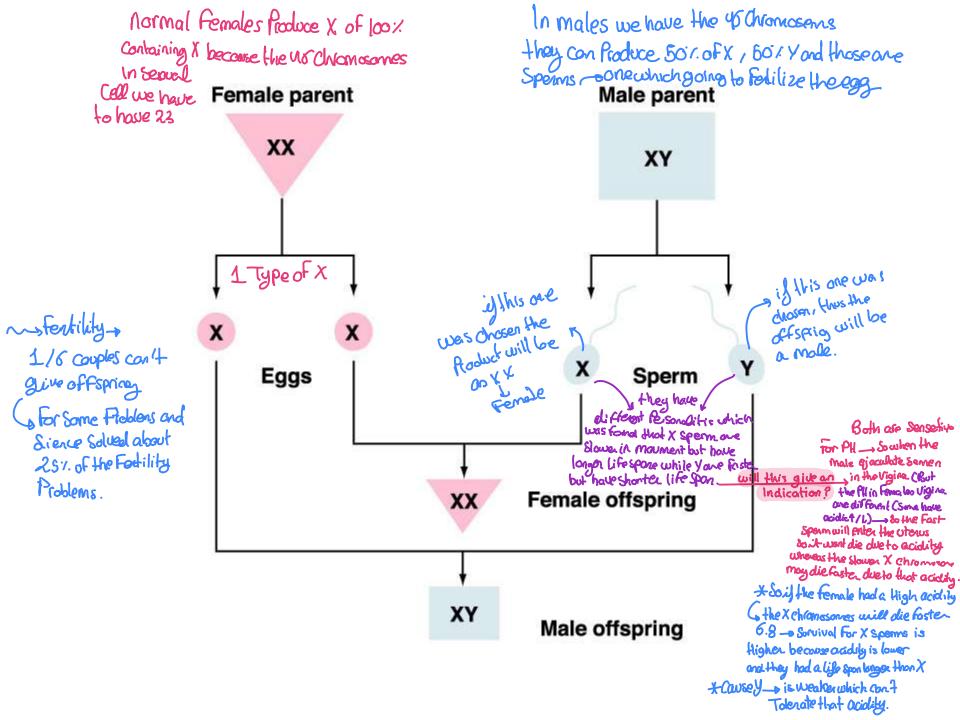
Autosomes

and one Pair of Sex

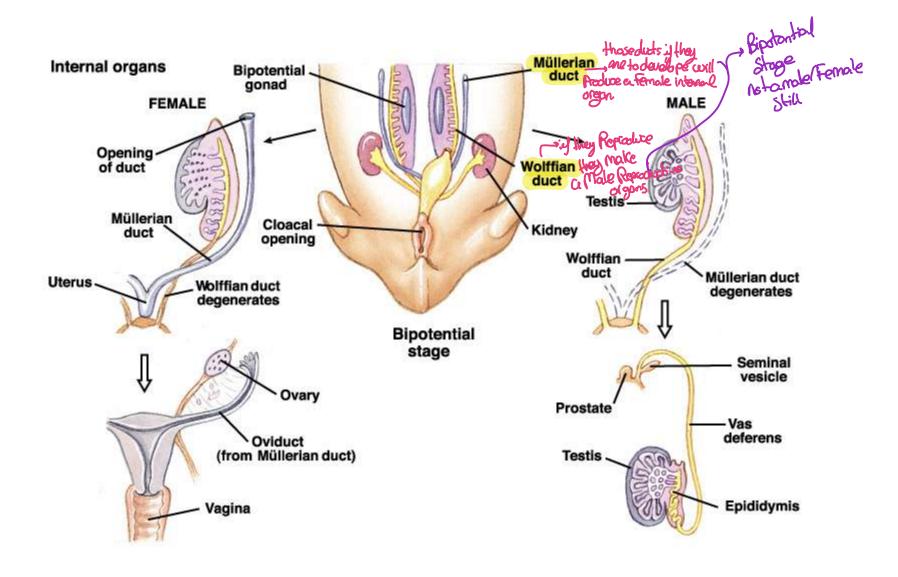
Chromosomes

XX / XY





Untile week 6 - the embryo has the Potostial to be make or Female - Has Potosticl for Both Systems



Xuntil week 6 - swe have the Bipatertial Stage - this can Polarial become a male or fonale no Ychromosone due to Reense of y chonomor statisto Produce -Genital the externer Urethral. (b) External genitalia tubercle genetia groove **FEMALE** to Roduce male Clitoris ~ Penis Reproductive System Urethral -Urethral fold fold Urethral Labioscrotal fold swelling Anus Labioscrotal **Bipotential** Anus abioscrotal Anus swelling stage swelling 10 week fetus (6 week fetus) 10 week fetus Clitoris Glans Urethral Labia . penis opening minora Shaft of Labia Scrotum penis majora Anus Vaginal Anus opening

At birth

At birth

A XX chromosomes don't do anything - Continus normally we is it

How is the number of Huminity is determined?

Women from Birth have specified no. of egg
thus a female undergose missis 1 while being an infont.

6x 10 eggs Borose Birth
2x 18 at Birty
degregation
at puparty = 500 active eggs

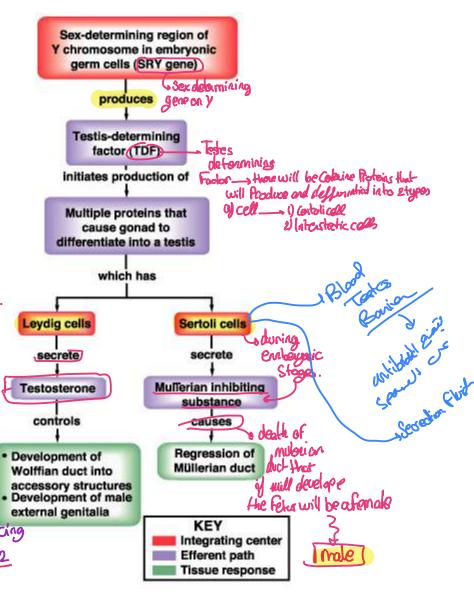
For men

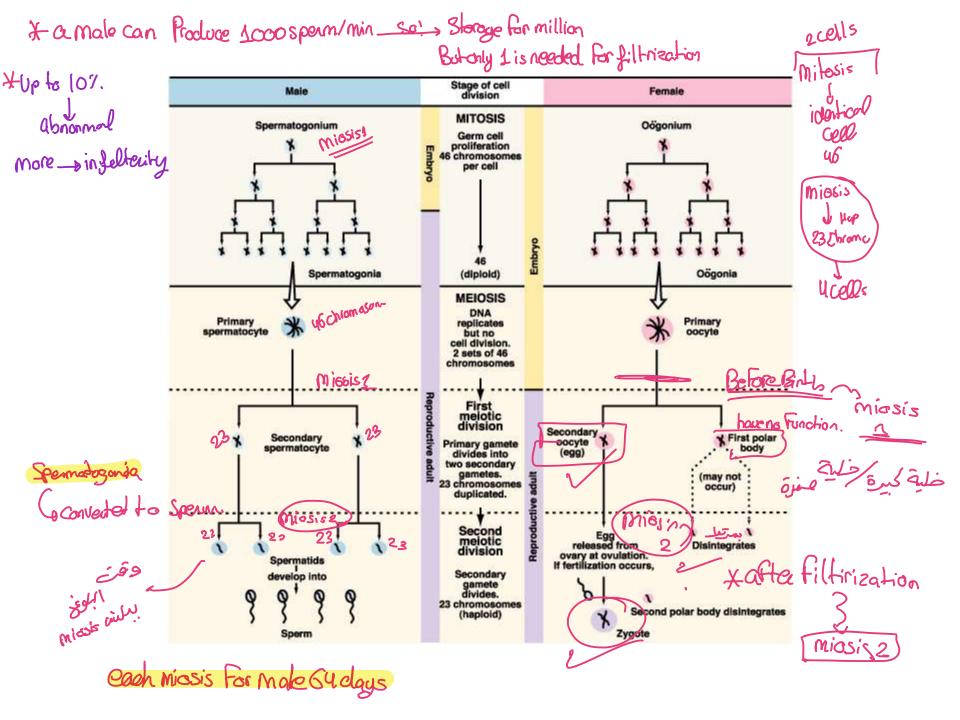
1) mitosis go first -> Cell goos in Place
second -, makes the spains

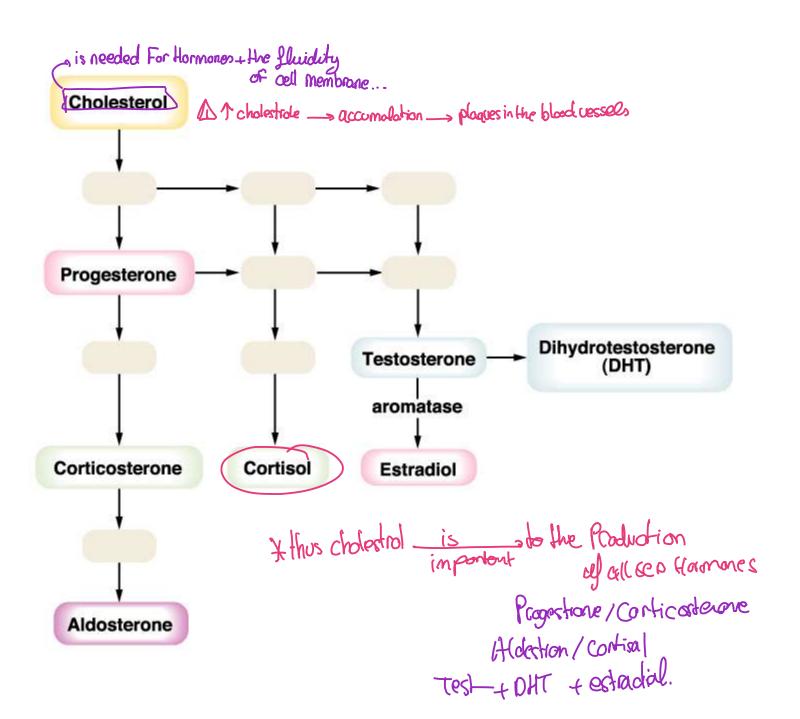
So at pupaity __ cells Responsible for Roducing external genitalia

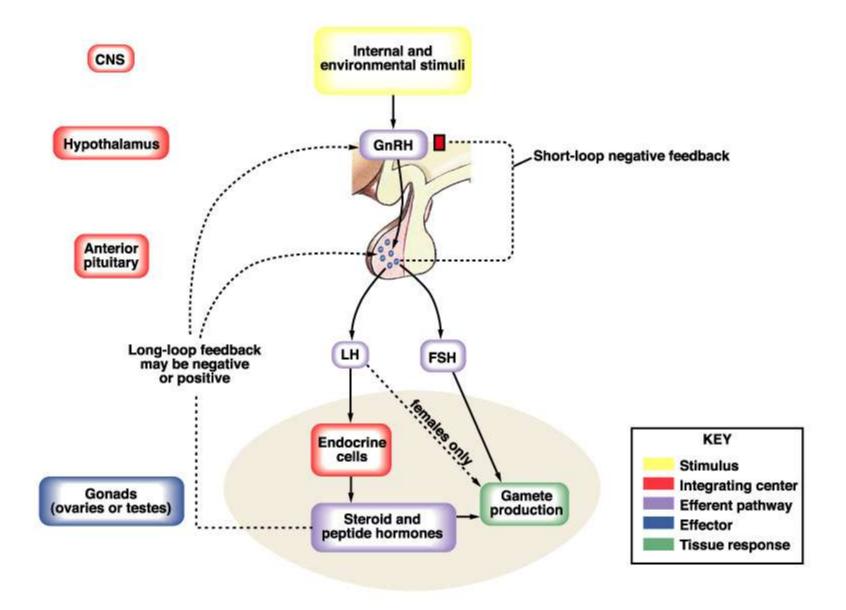
Undergoo miosis 1+2

Wheras women offer filtrization goes with the miosis 2

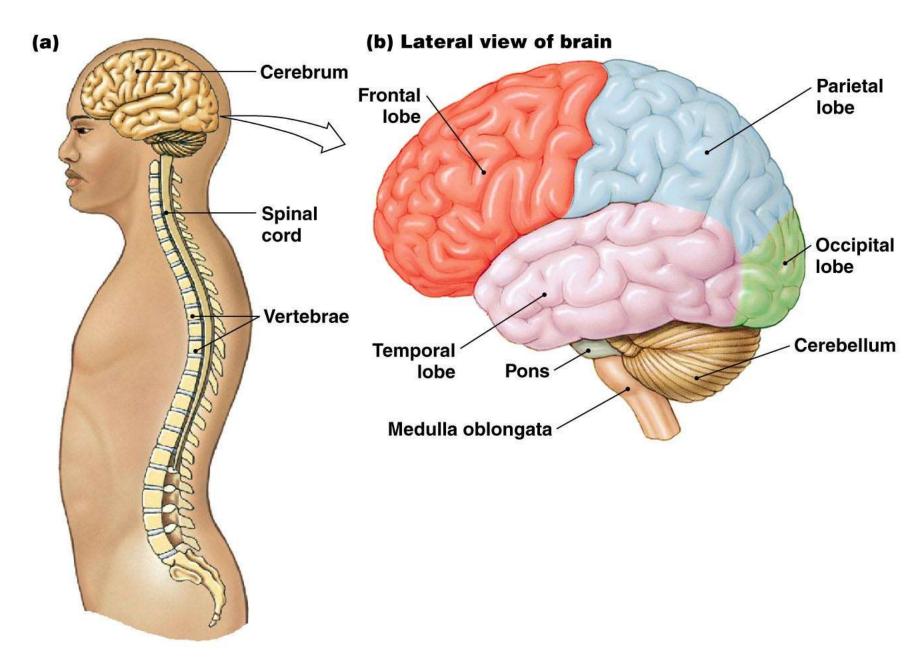


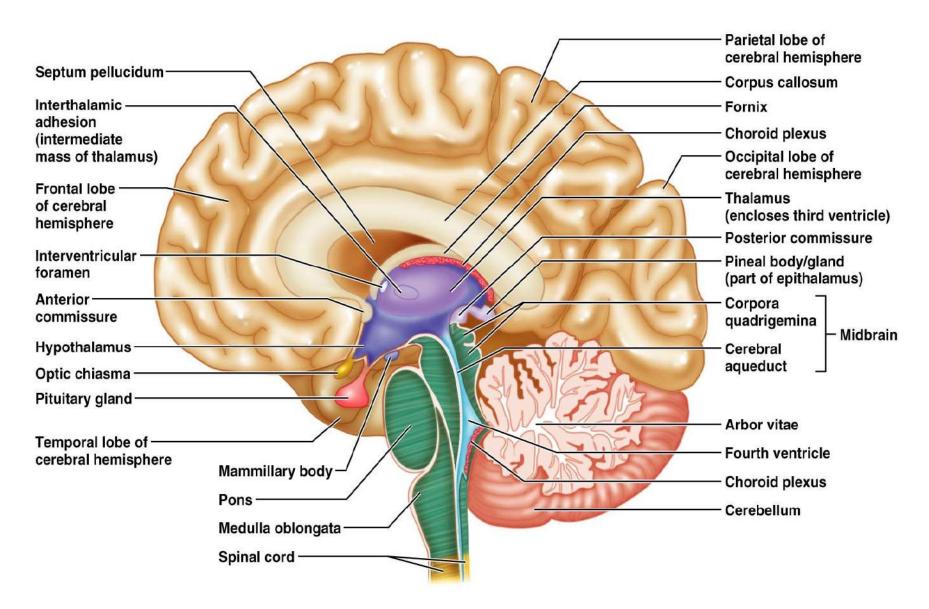




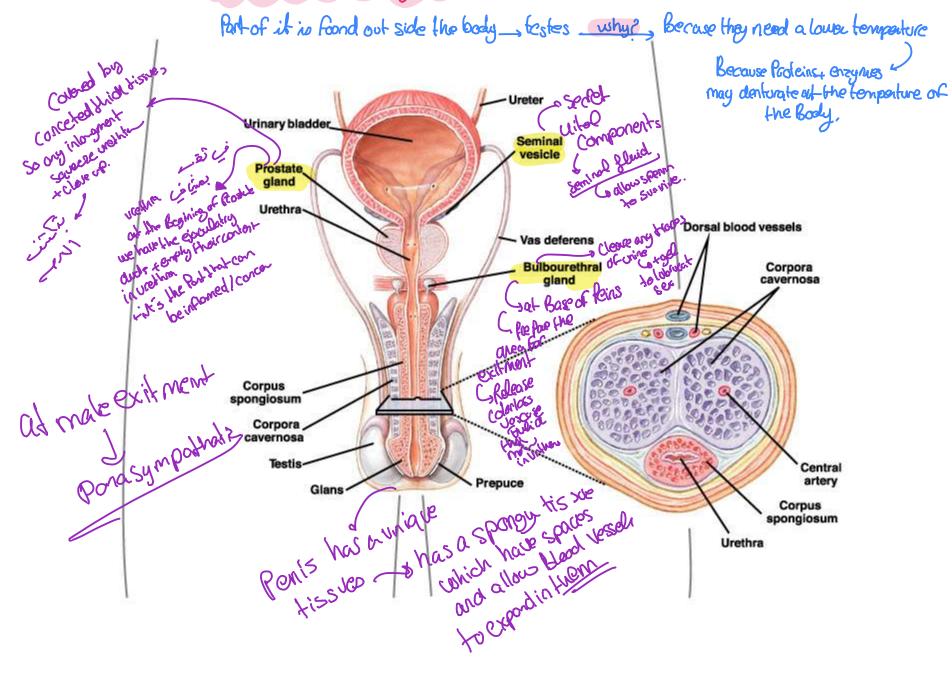


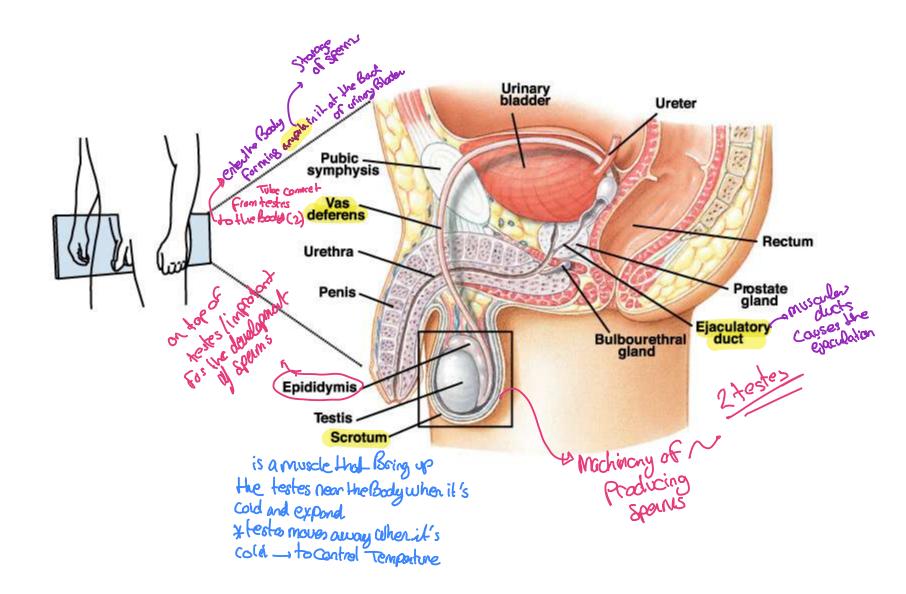
_, the Start of Sex Harmones begin at, Hypothalamuth		
Release		
GURH _ Has	a direct effect on anterior fo	tuitor about
FSH, Responsible for the maturation of the Oocytes (eggs)		- I offel the
in females		Release of
. developent of Both Gametes (Sparm+ (3955)	LH + FSH	2 Harmones in Balh
		Sex
LH. Has a Responsibility for the Roduction of Sex Kommanes in M Including the Ovulation in female y. It has Receptor in the en-	des fonela	
Including the Ovulation in Female V. III has Recentors in the ex	Acrino	
is both males, forme	ales	



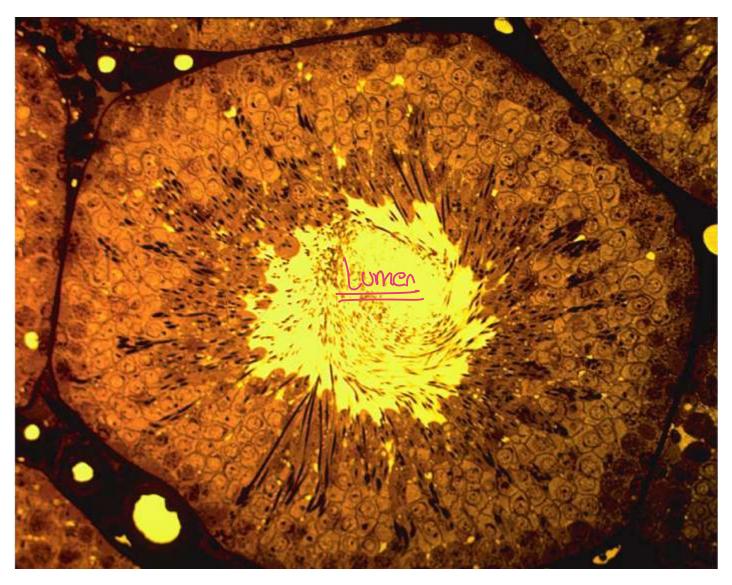


4 Male Reproductive System:

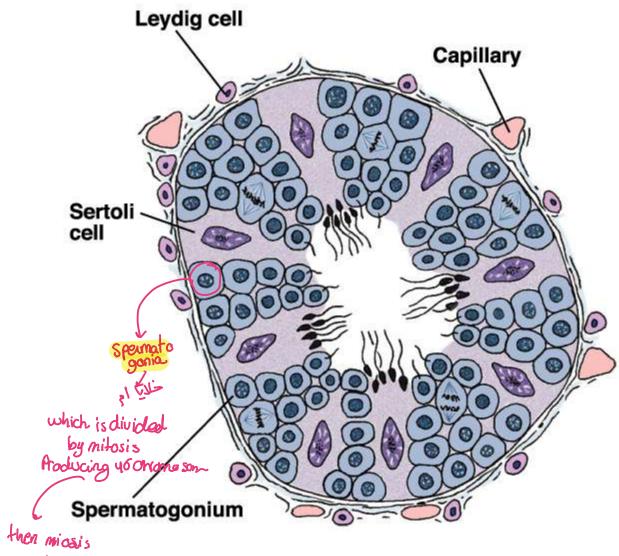




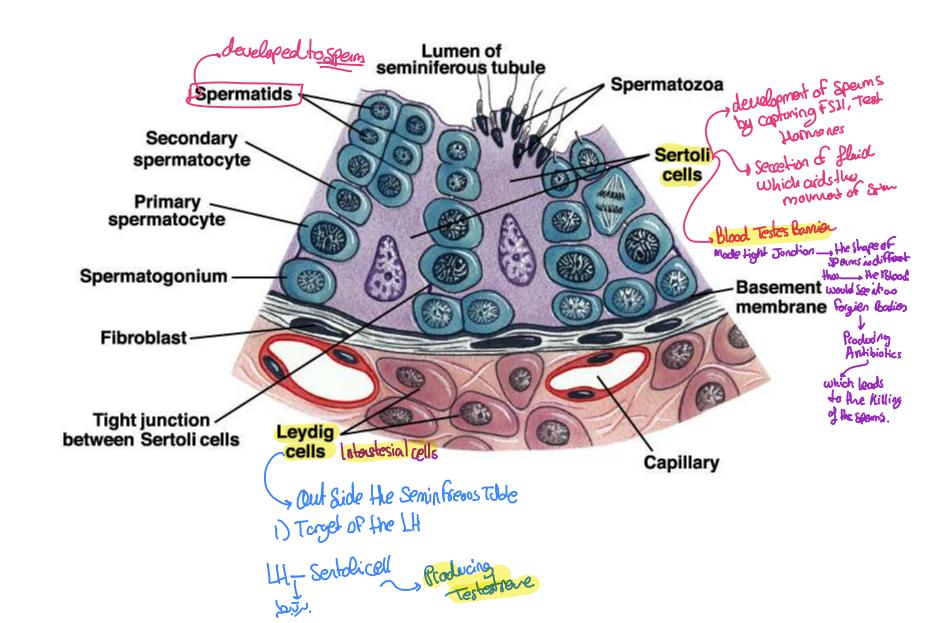
Hopams have capilly to move But raising to show. Main organ to Produce Sperm + Hormones Head of Testes 690 chamber, epididymis * Cach Chamba has Sominifrous , Total length - usm Both go **Epididymis** Seminiferous tubule Small Tubles Containing the coll Producing spens Vas deferens Spemals Scrotal cavity



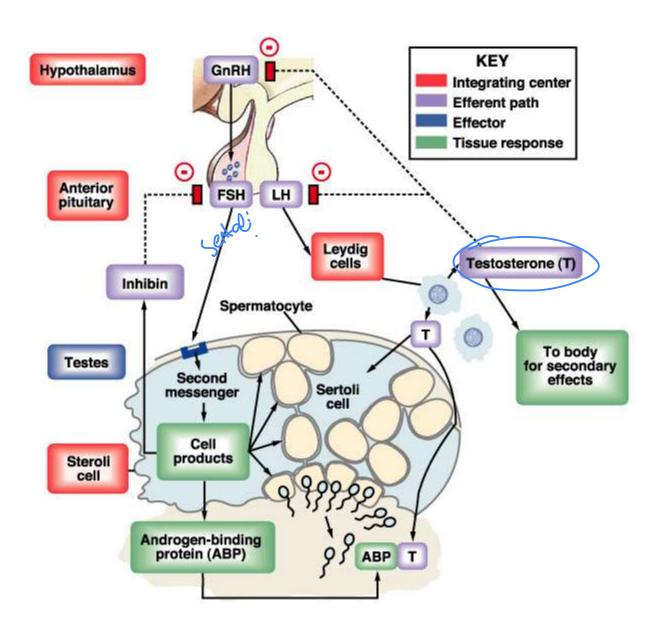
X-luner that Spern car Pass through & Membrone _ o hour Spermatogonia



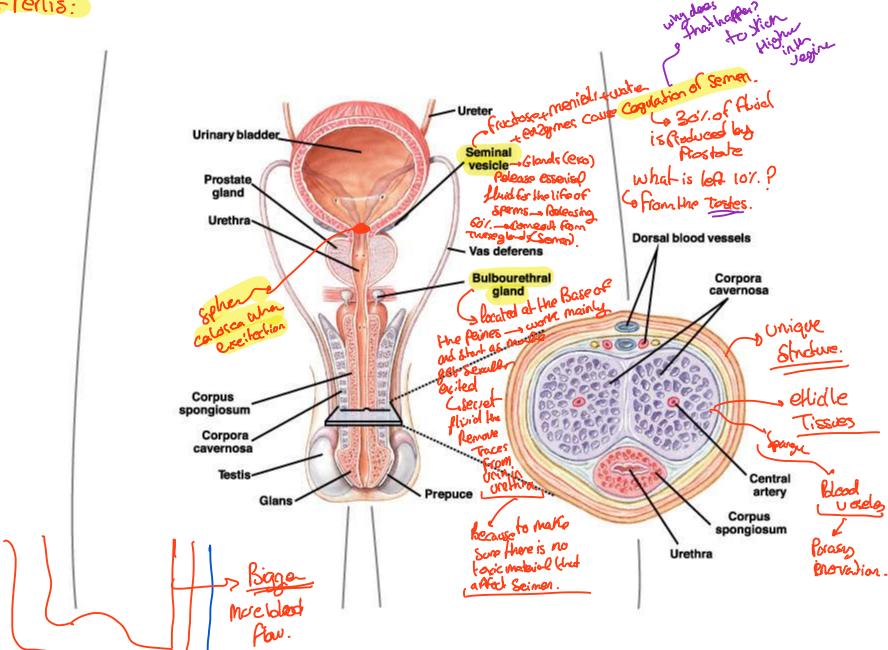
Co Spanadid

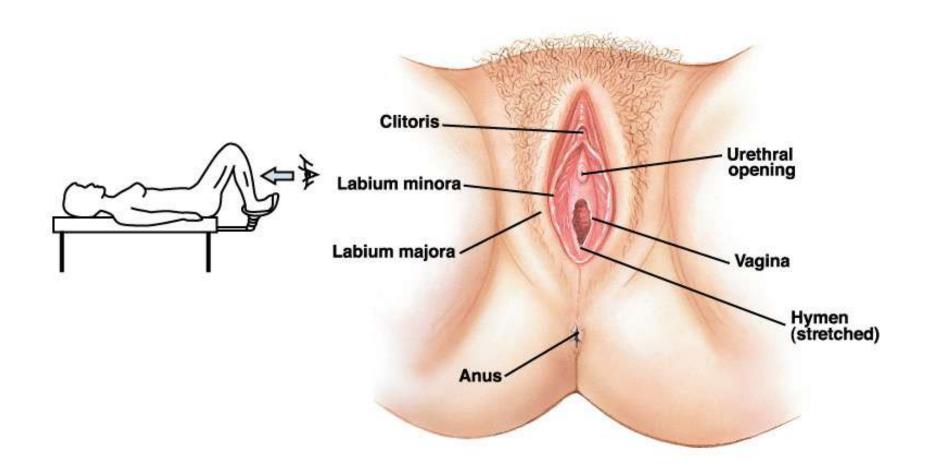


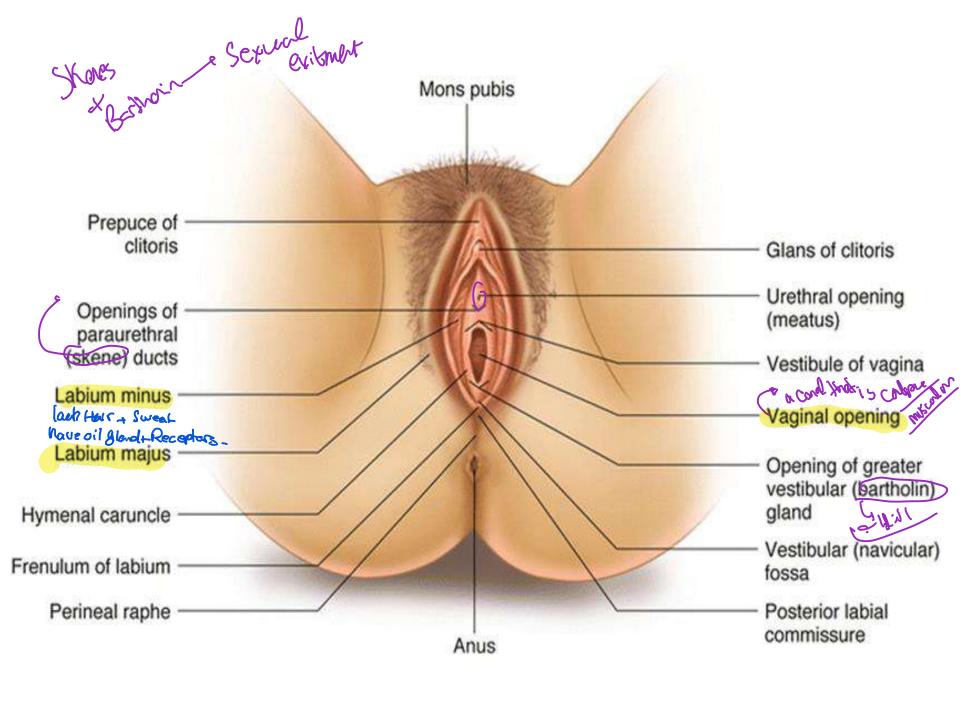
Cells 3 Areas. Spentlead Acrosome neck Tail flegille. مفتت التماسك mitocontra) Hylororic acion كيناخالنك **Nucleus** Head Cososmaller than the one of the one of the one Midpiece mitacandria Centrioles Mitochondrial spiral Capacitize movment of speum is inhibitied une to the loss of every Microtubules -Tail (flagellum) The Head is compacted Cuery Fing + Small the Wood _ reactor 23 chromosoms life Spon- 3day The ins

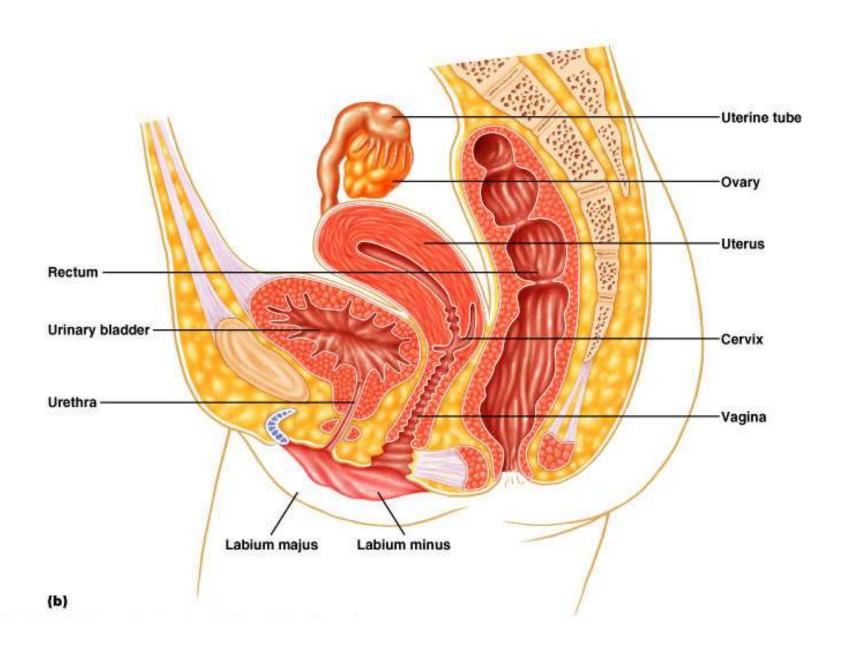


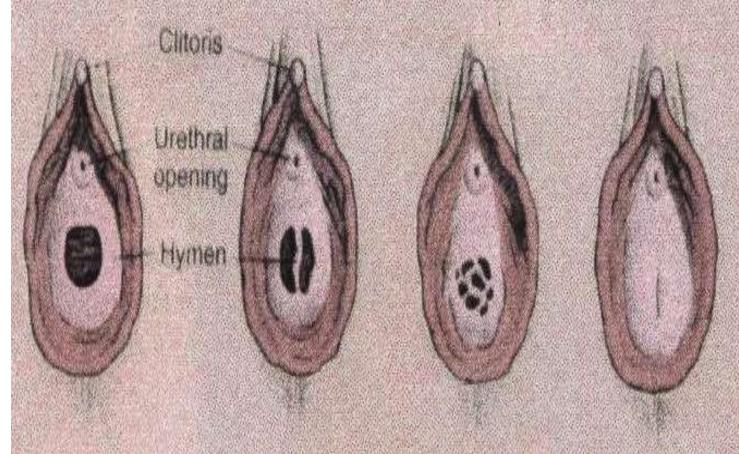
* Penis:













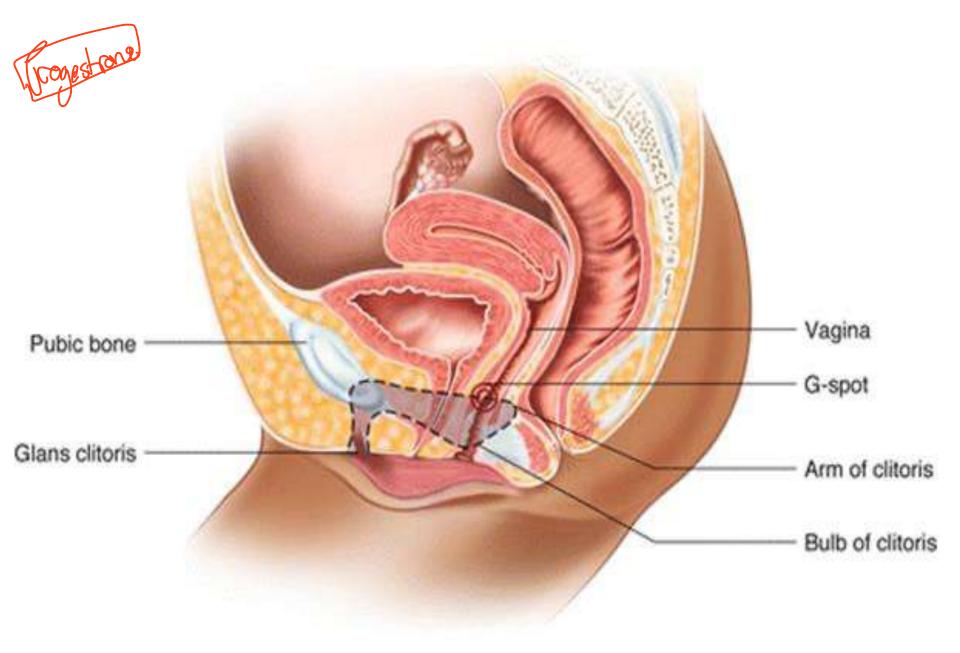
Annular hymen

Septate hymen

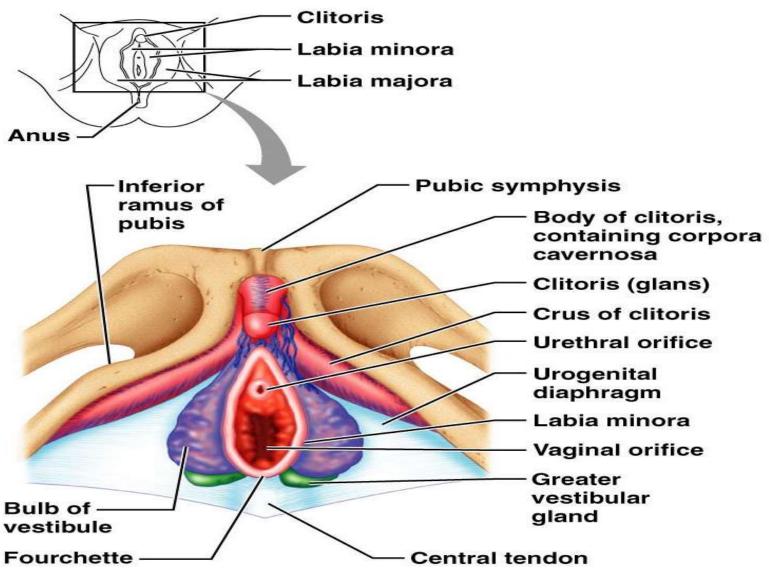
Cribriform hymen

Imperforate hymen

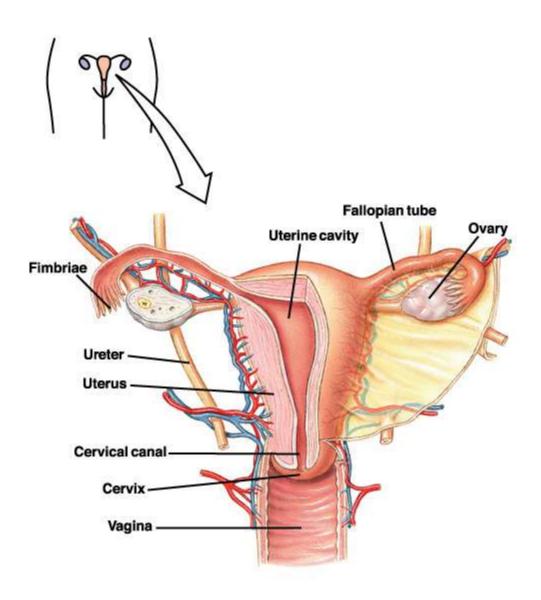
Parous introitus (after childbirth)



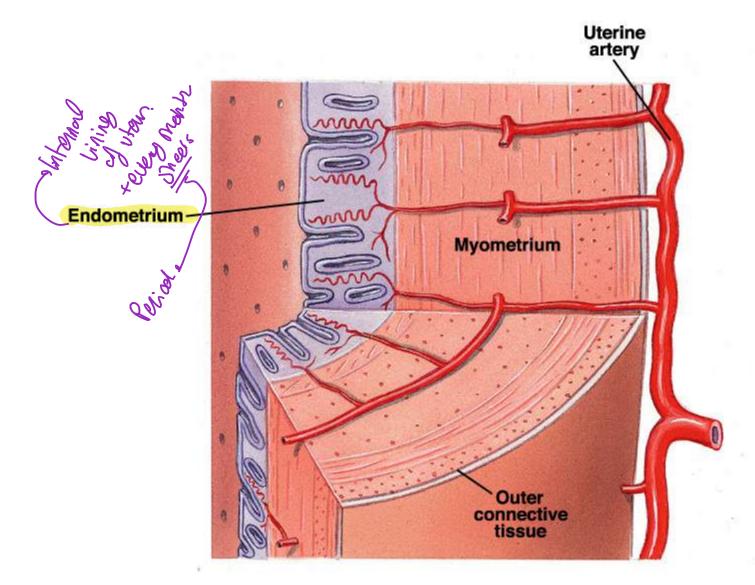
Female External Genitalia: Deep



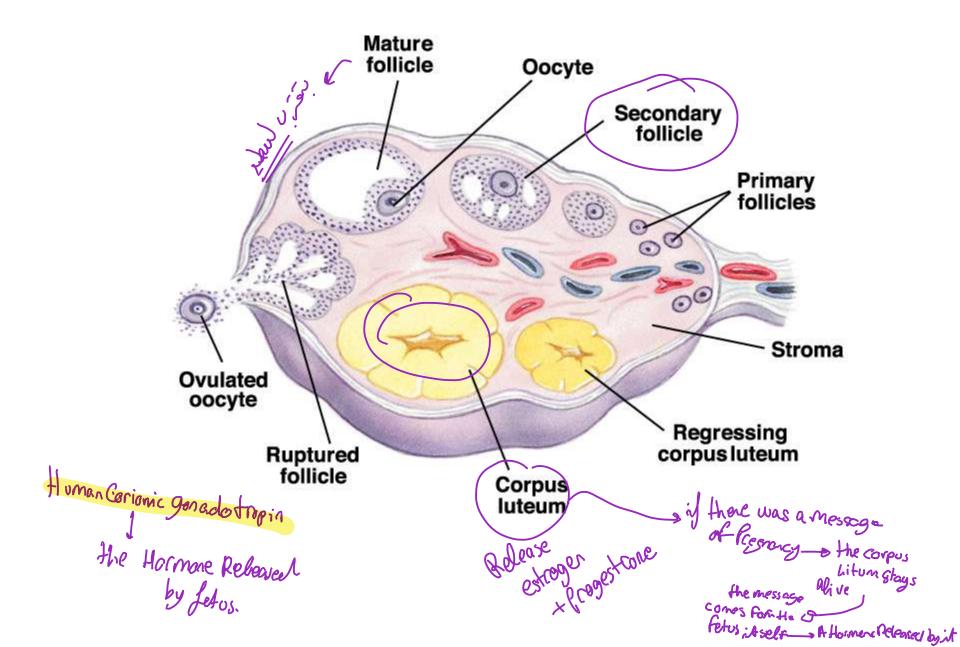
(b)



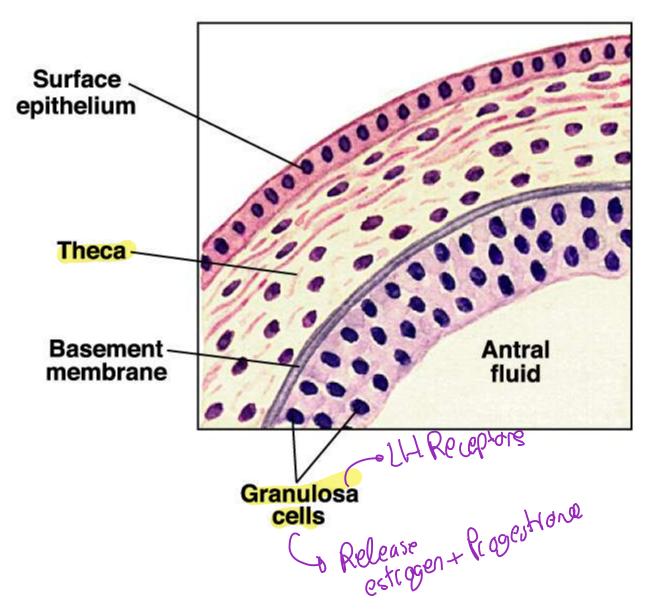
Colo : 2 nocuoung on so-



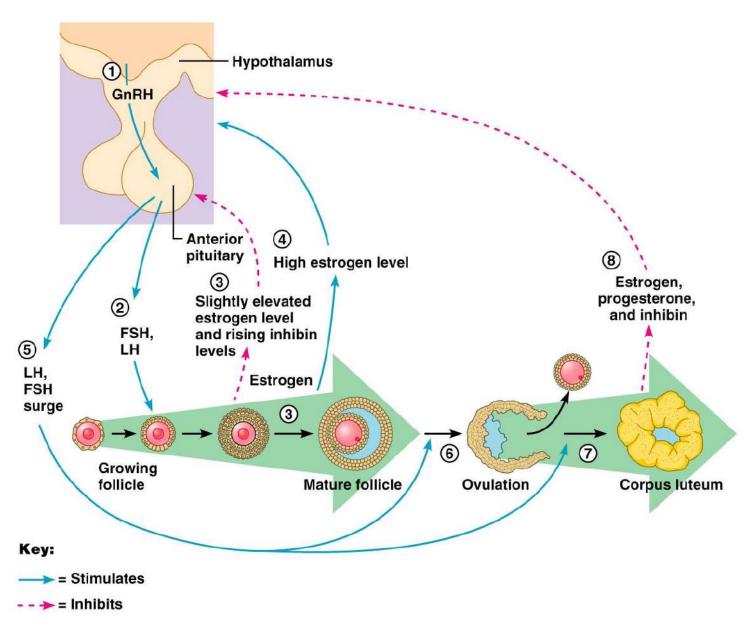
Number of occytes is determined

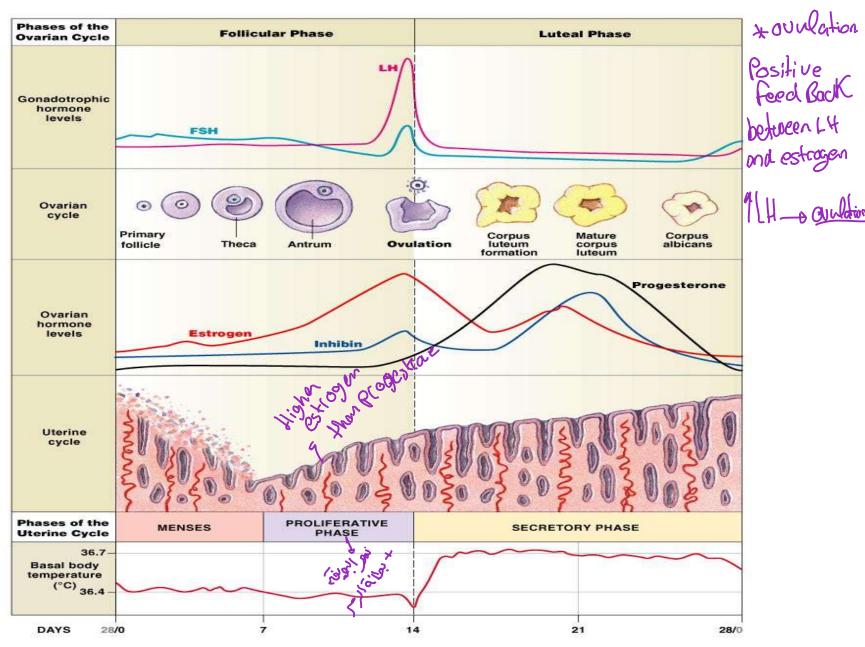


His Haewas no Prograstrone ___ Period



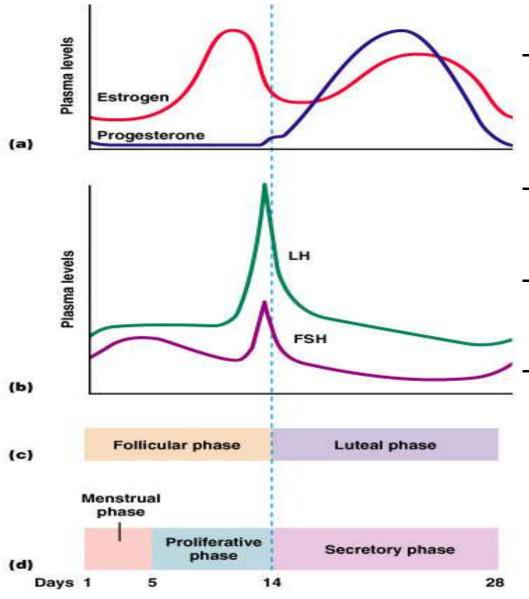
Feedback Mechanisms in Ovarian Function



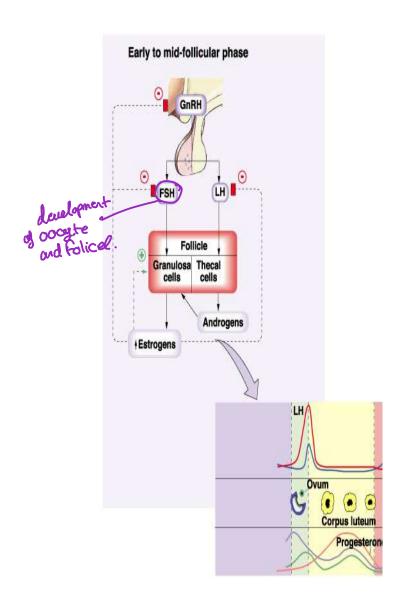


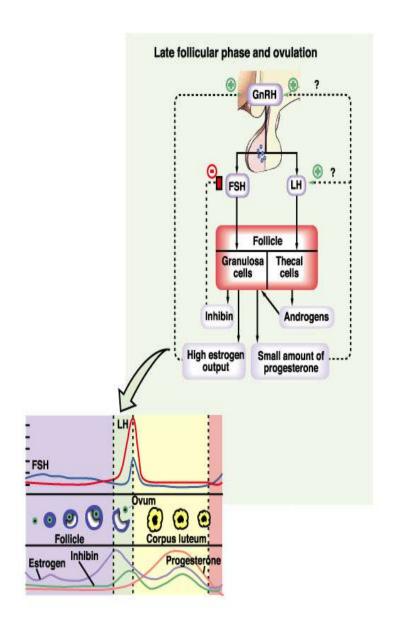
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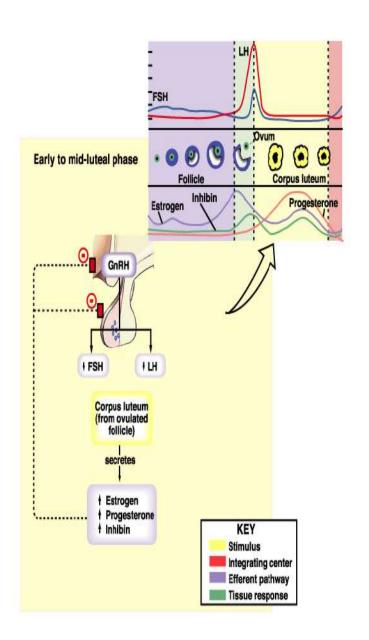
Hormonal Changes During Menstrual Cycle

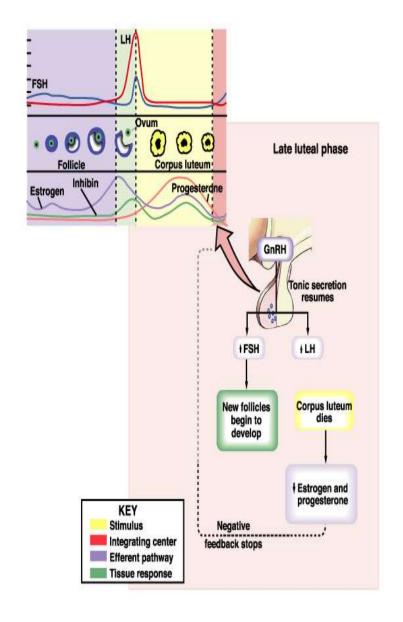


- Estrogen secreted
 from follicle 1st, then
 corpus luteum
- Progesterone secreted from corpus luteum
- LH and FSH secreted from anterior pituitary
 - Estrogens and progesterone inhibit
 LH and FSH secretion









Fintilization

Semen is ejaculated to the last Pont or vising.

Co wont Reachtheutenus.

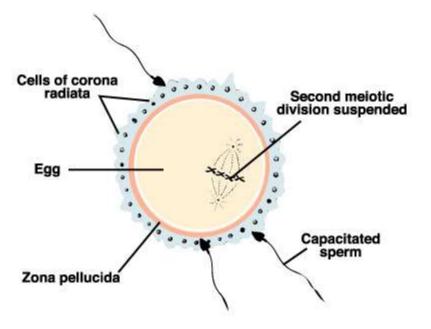


*Senen Coogulate

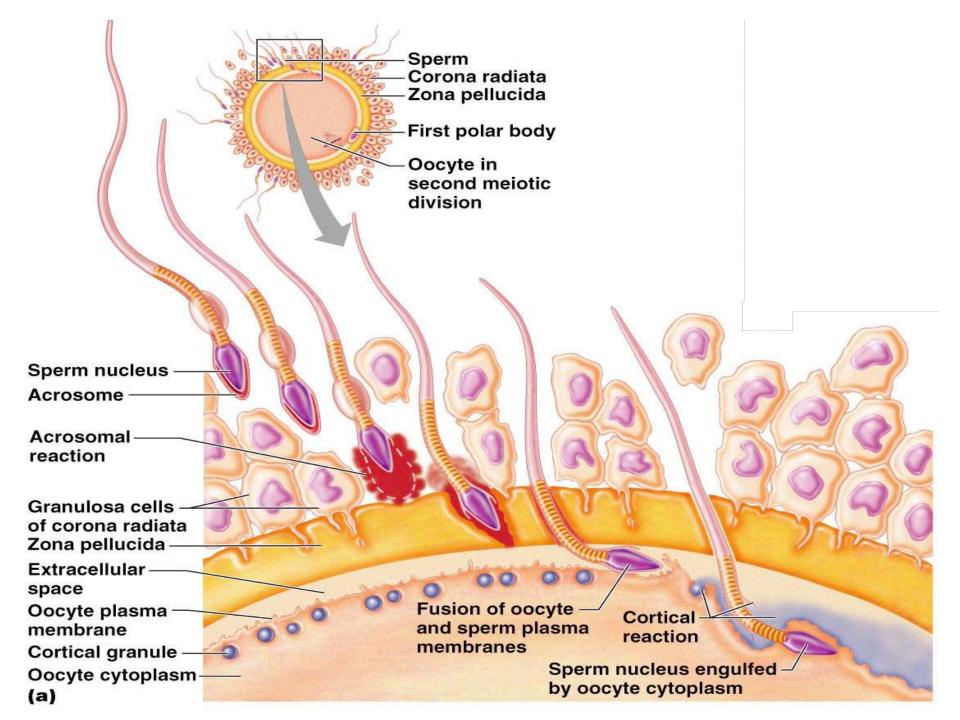
to . Prevent the

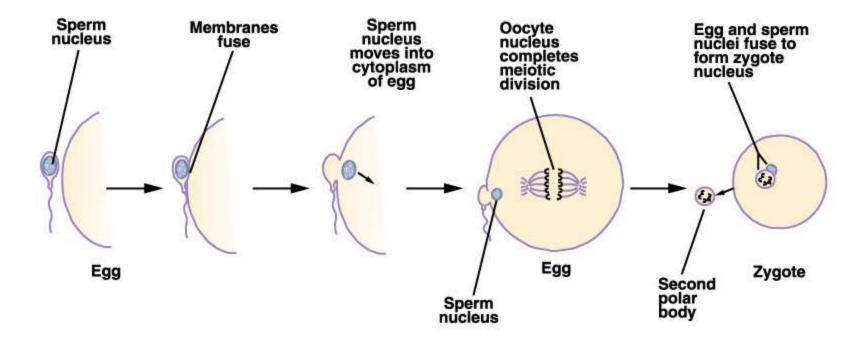
acid by an viginal

Postest Mself.

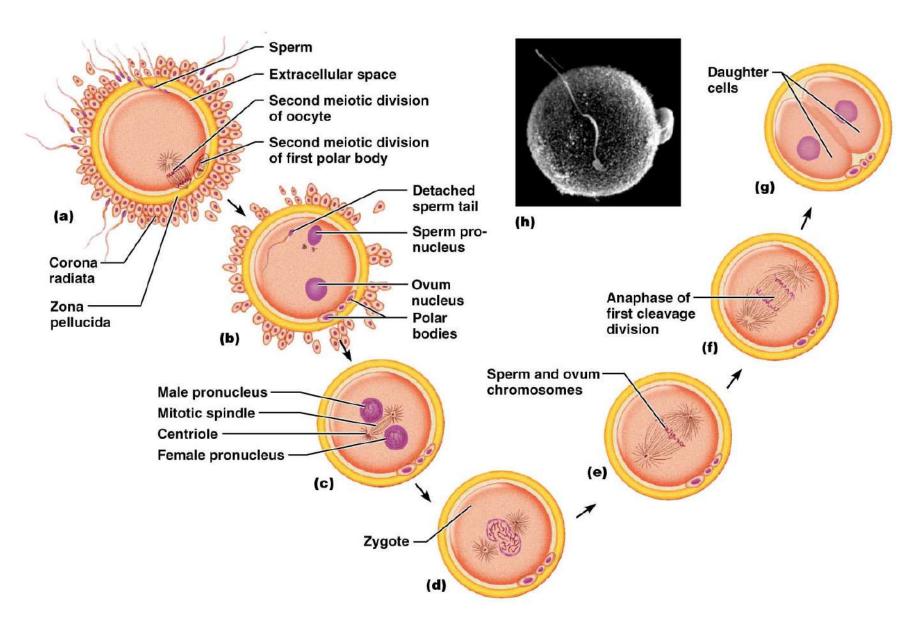


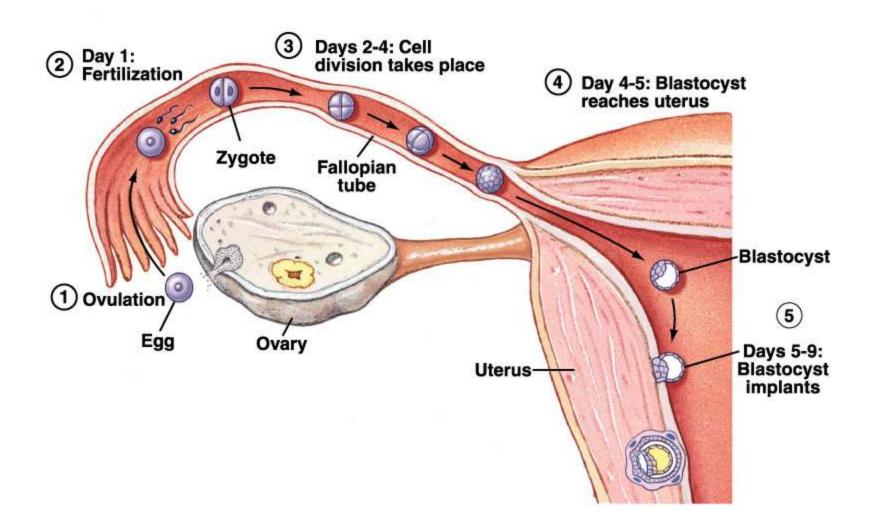
due to aciously sements clot





Events Immediately Following Sperm Penetration





Implantation of the Blastocyst

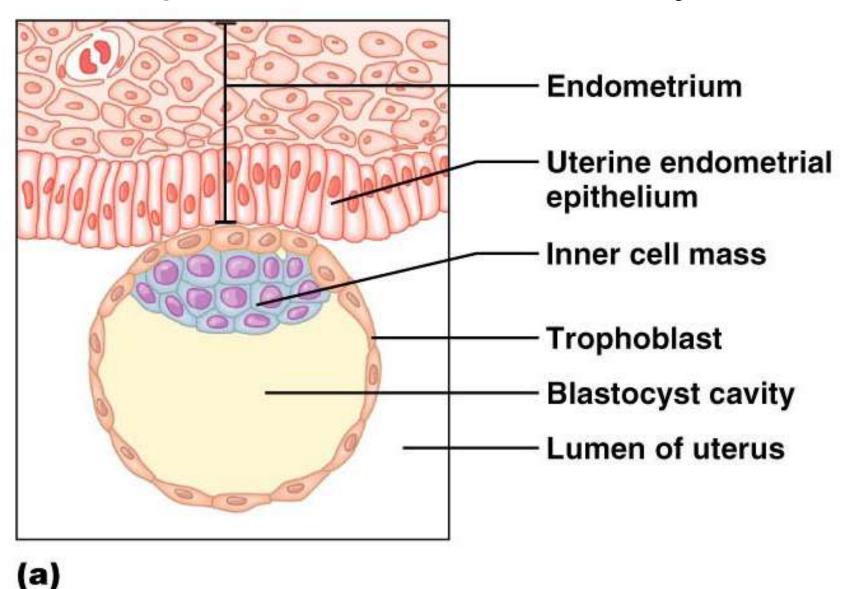
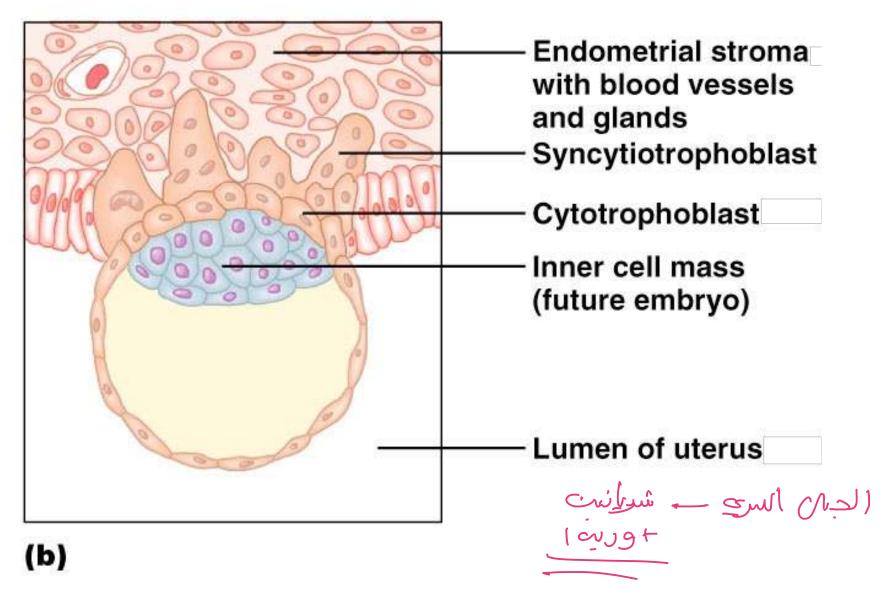
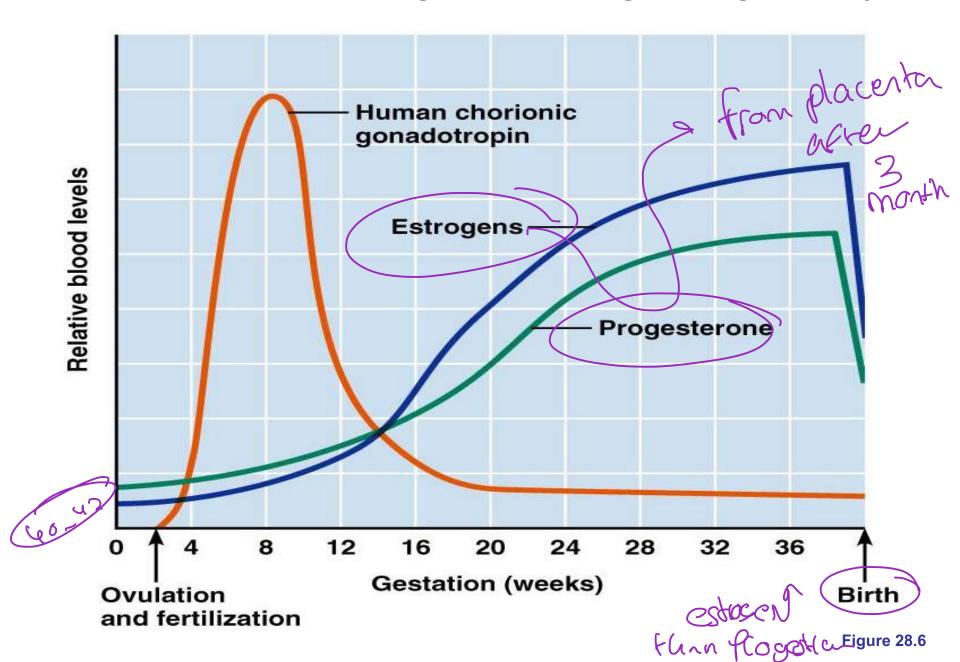


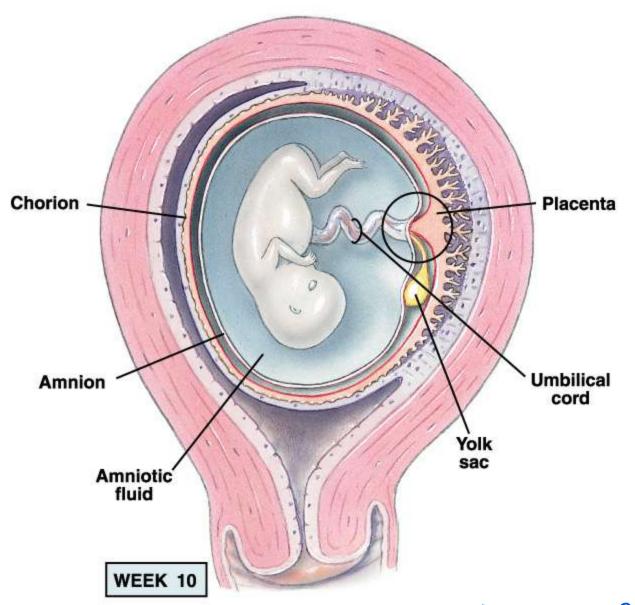
Figure 28.5a

Implantation of the Blastocyst

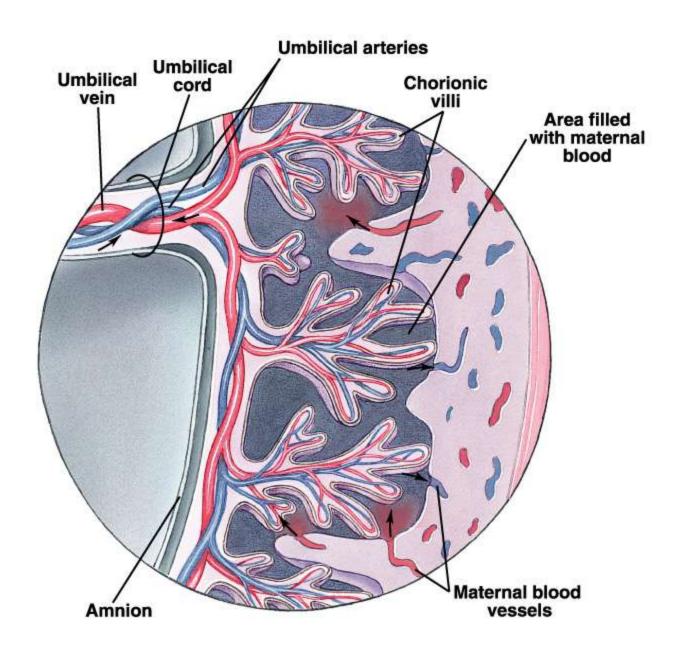


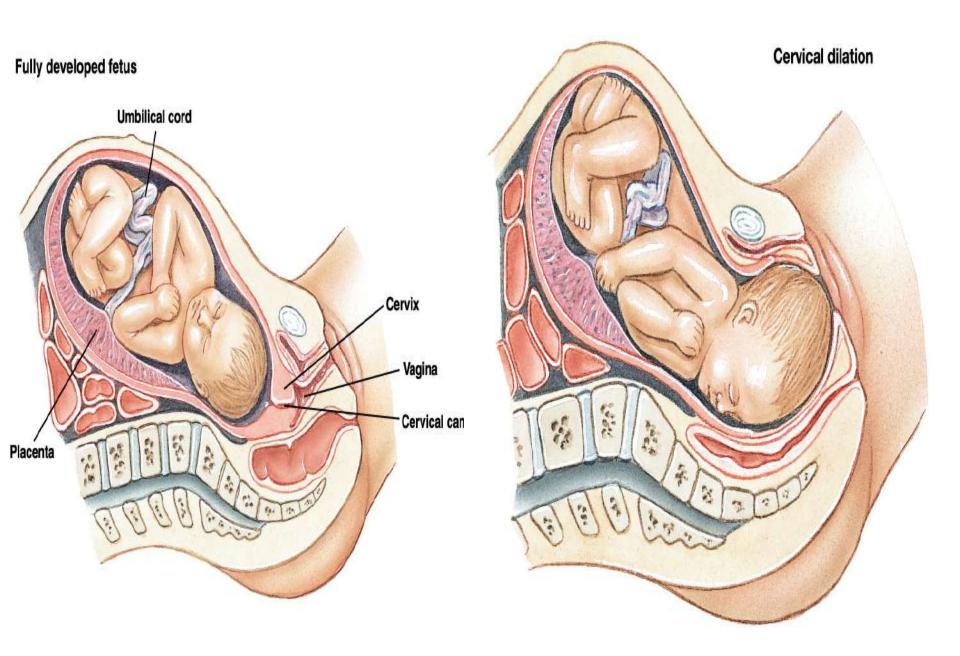
Hormonal Changes During Pregnancy

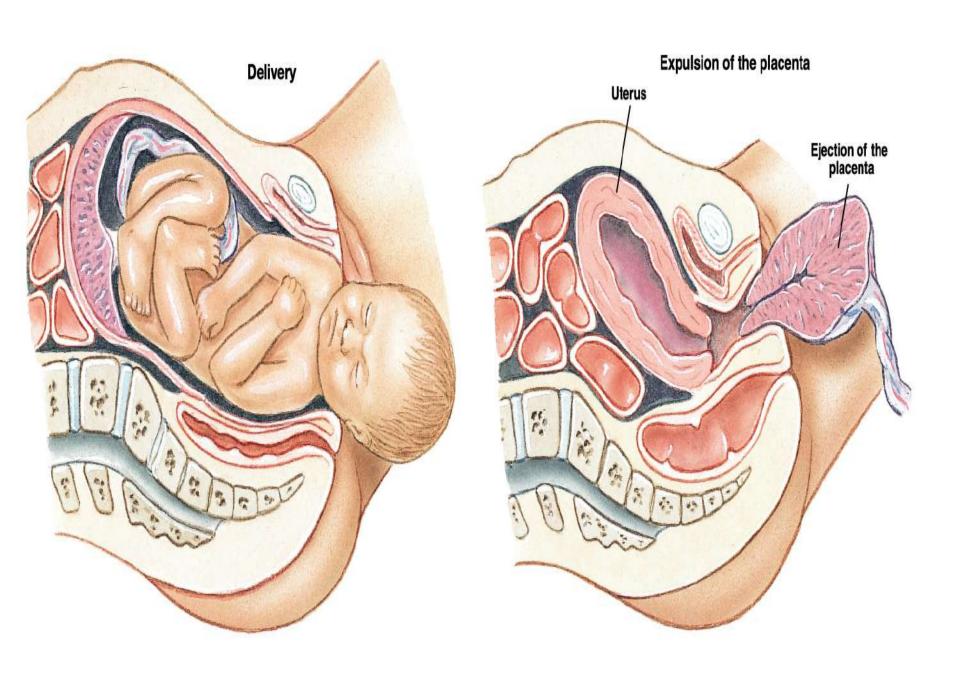


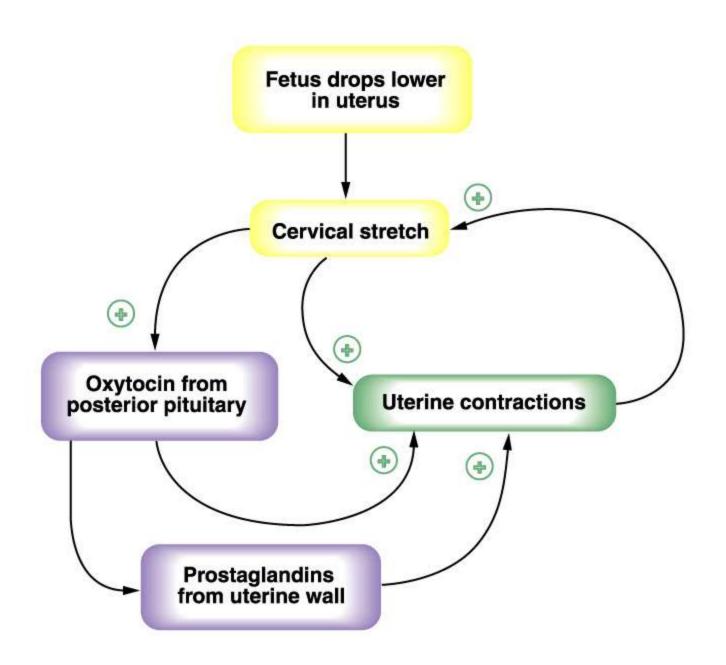


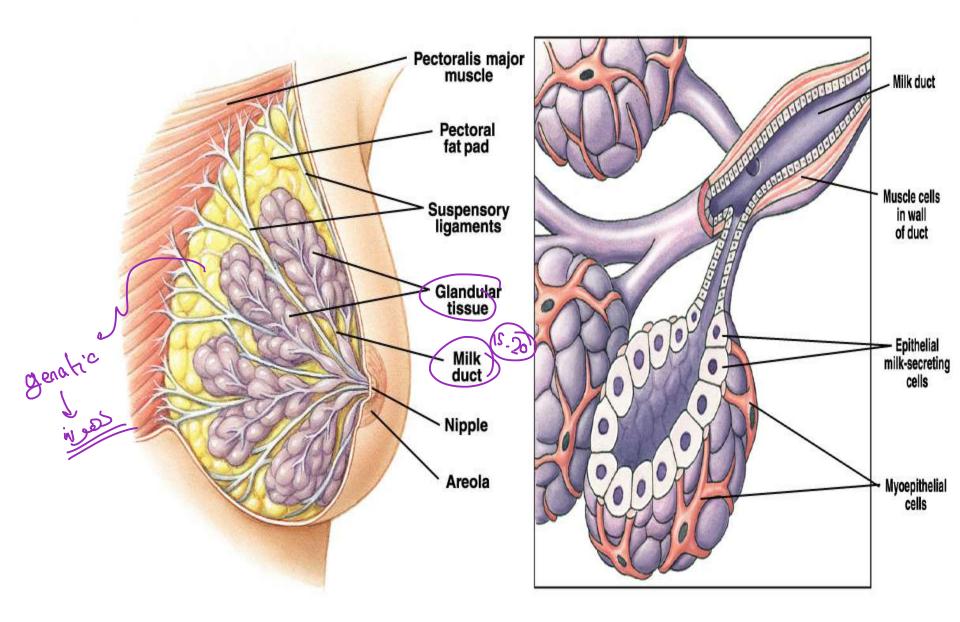
The Process of ditration and











1 In the bath or shower:



Examine your breasts during bath or shower. With flat fingers move gently over every part of each breast. Check for

lumps, hard knots, or thickenings.

2 Before a mirror:

Inspect your
breasts with
arms at your
and then
sith your arms
raised overhead.
Look for any
changes in each
breast a



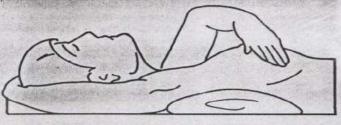
swelling, dimpling of skin or changes in the nipple.



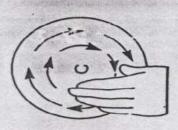
Then, rest palms on hips and press down firmly to flex your chest muscles. Regular inspection shows what is

confidence in your examination.

3 Lying down:



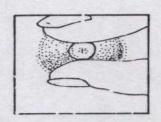
To examine your right breast, put a pillow or folded towel under your right shoulder. Place right hand behind your head - this distributes breast tissue more evenly on the chest. With left hand, fingers flat,



press gently in small circular motions around an imaginary clock face. A ridge of firm tissue in the lower curve of

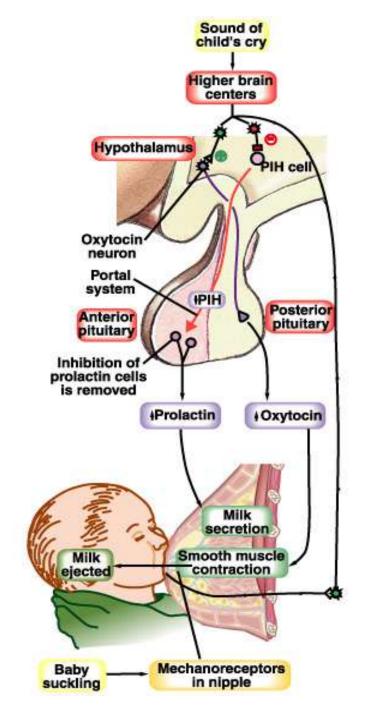
each breast is normal. Then move in an inch, toward the nipple, keep circling to examine every part of your breast, including nipple. Now slowly repeat procedure on your left breast.

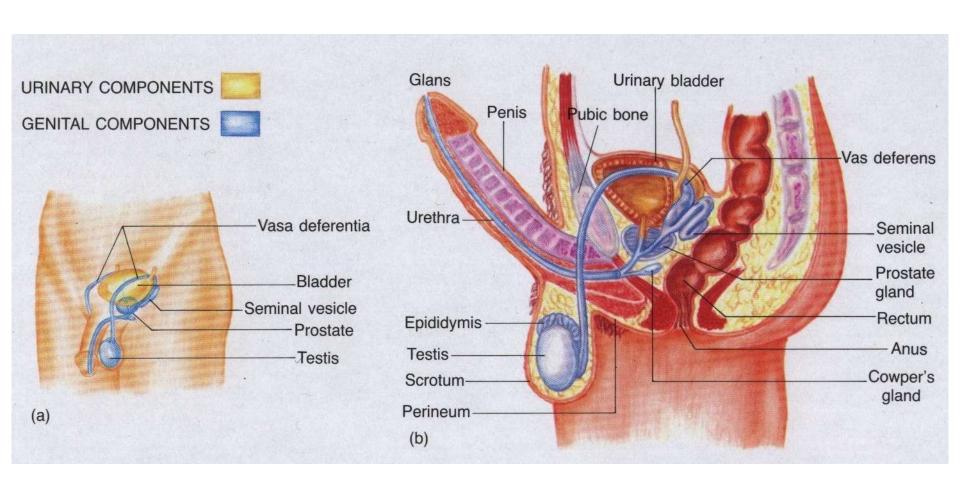
Squeeze the nipple of each breast gently between thumb and index finger. Any discharge, clear or bloody, should be

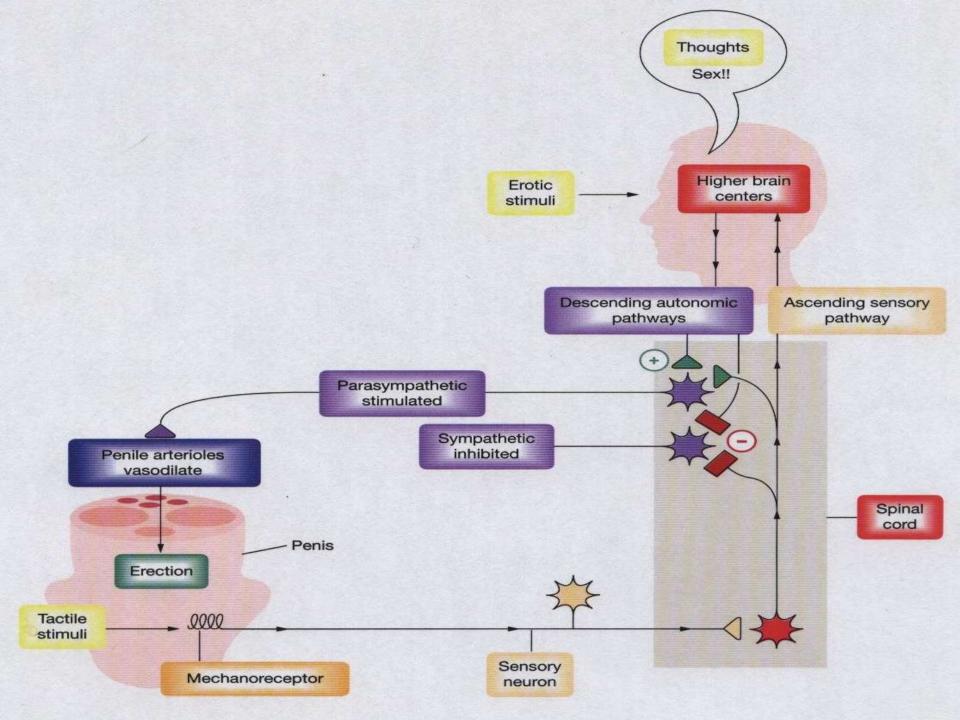


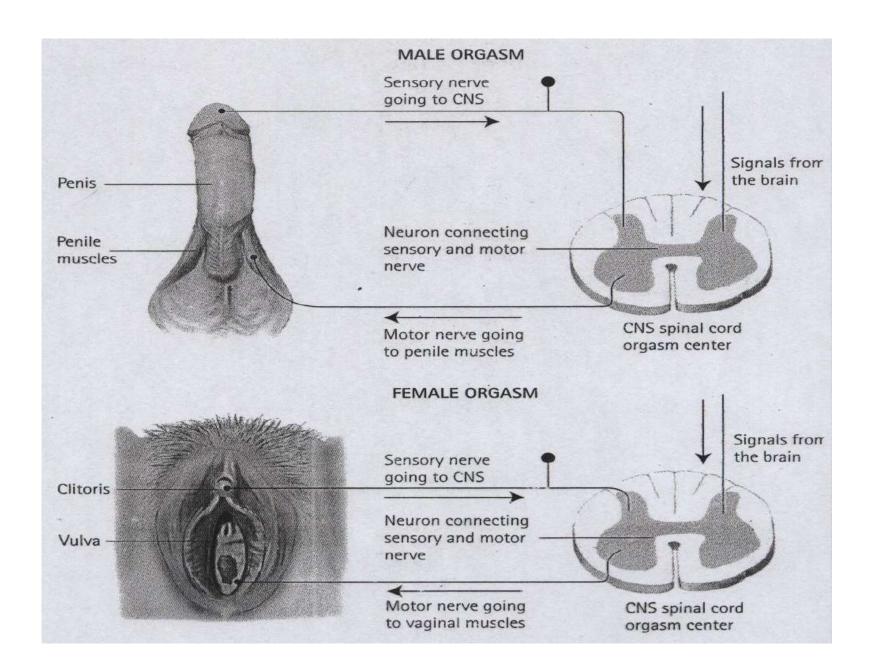
reported to your doctor immediately.

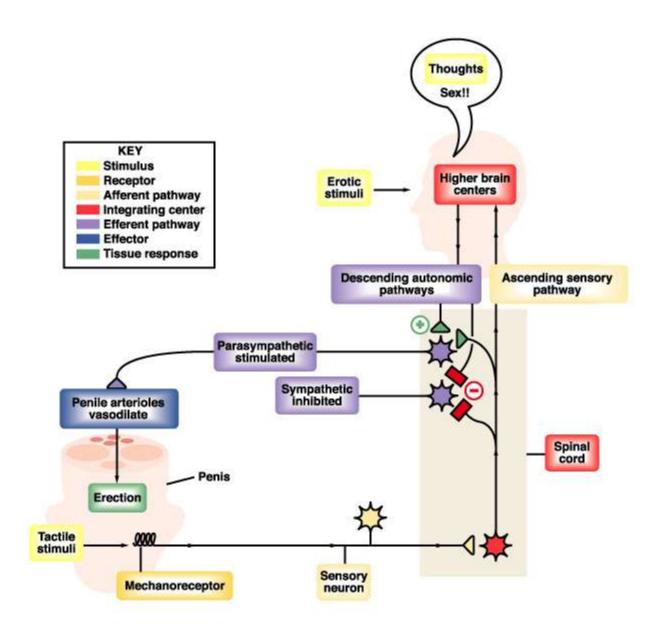
Figure 2-16 How to examine your breasts as a method to detect abnormal lumps and other

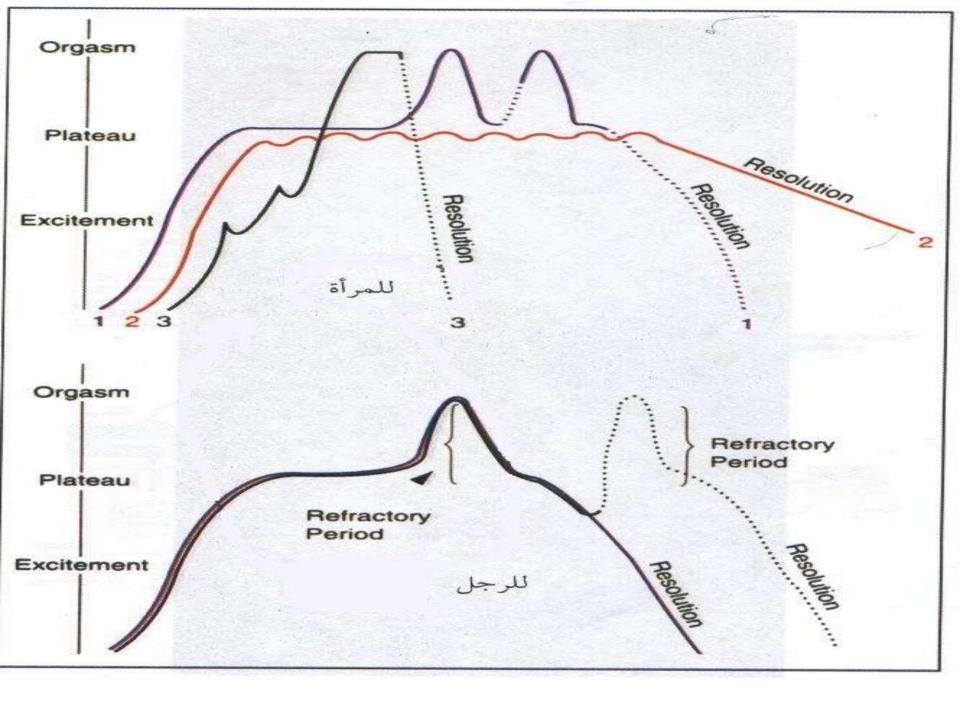


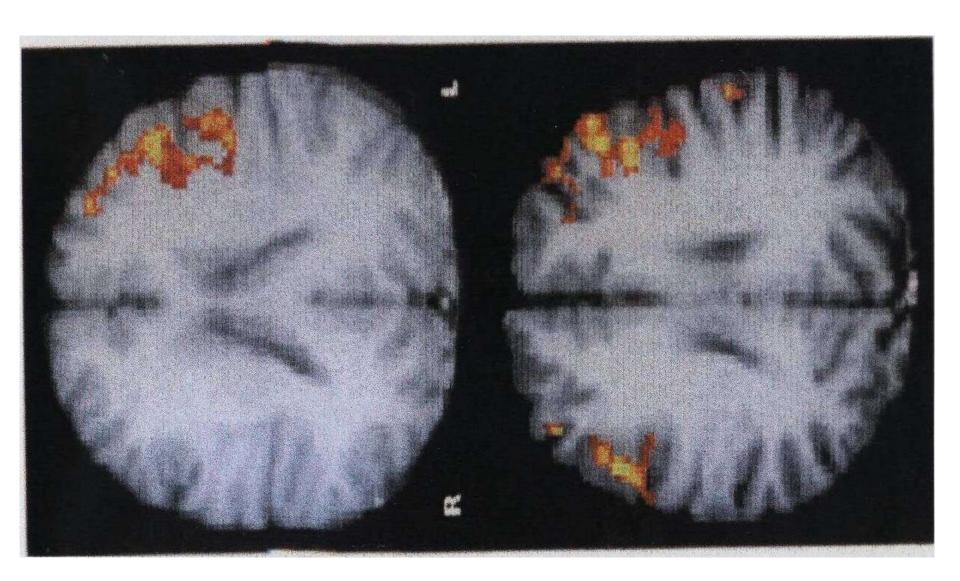


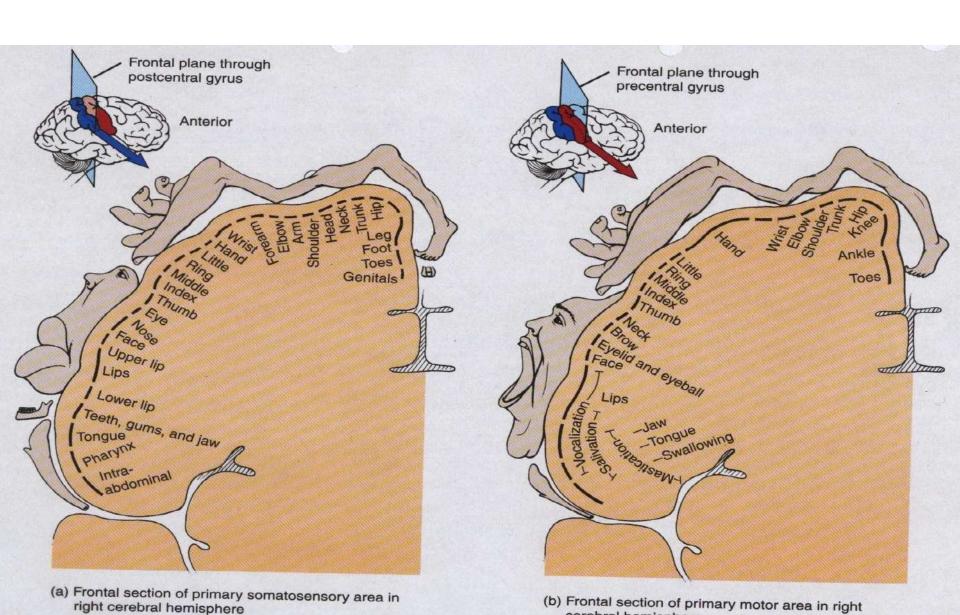




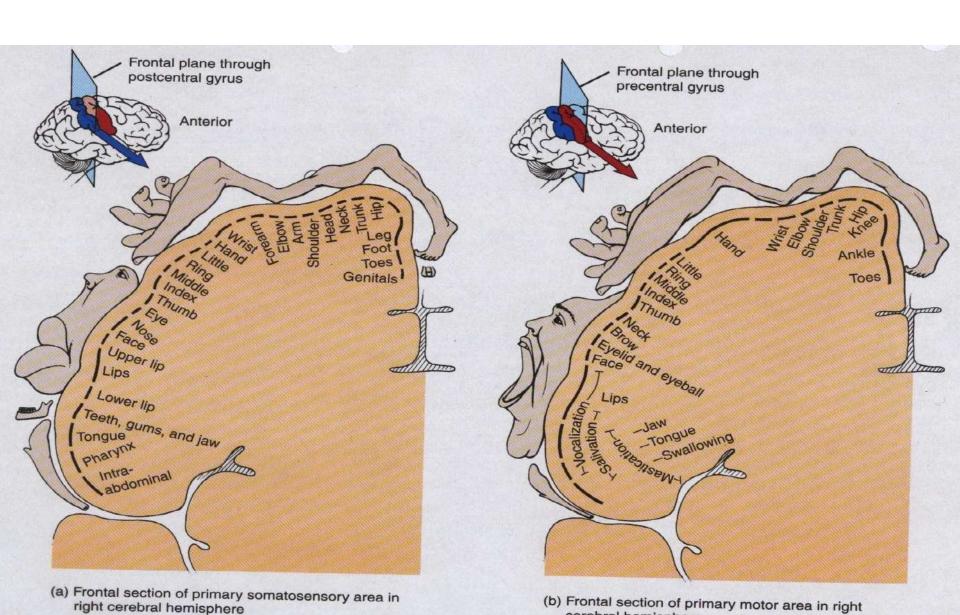








cerebral hemisphere



cerebral hemisphere