

* Female Reproductive System + Mammary Glands -> * (Integrated structurally and To Ovulation, Feetilization, functionally Support Pregnancy, Birth, Child Care. * Ovary: ->
Company Sex Organ that produce gamete (ovum) & Ovarian hormone.
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Company Sex Organ that produce gamete (ovum) & Ovarian hormone. Covered by thin epithelium which encloses stroma. C> Stroma -> 2 zones (Peripheral Cortex + Inner Medulla.) 46 c) * Fallopian Tube (10-12cm):-> Grallopian Tube + Uterus + Yagina -> Female accessory Ducts. Coffenbrae (Collect Ovam) Confundibulam (Furnel Shaped)
Coffenbrae (Wider Part) Confundibulam (Furnel Shaped)
Coffenbrae (Wider Part)
Coffenbrae (Toin Uterus) * Utous Womb: GInverted pear Shaped GAttached to pelvic wall by ligaments. * Utvine Wall (3 layous):-> C> External -> Perimetrium. -> (Thin Membranous) C. Middle -> Myometrium. (muscular) - exhibit strong contraction during parturation C. Inner - Endometrium (glandular) - undergo cyclic changes during menetrual cycle. * Corvical Canal + Vagina - Birth Canal. Sines Uterine Cavity. * Female External Genitalia: 1 Mons Pubis → Cushion of fatty tissues covered by Skin and pubic hairs.

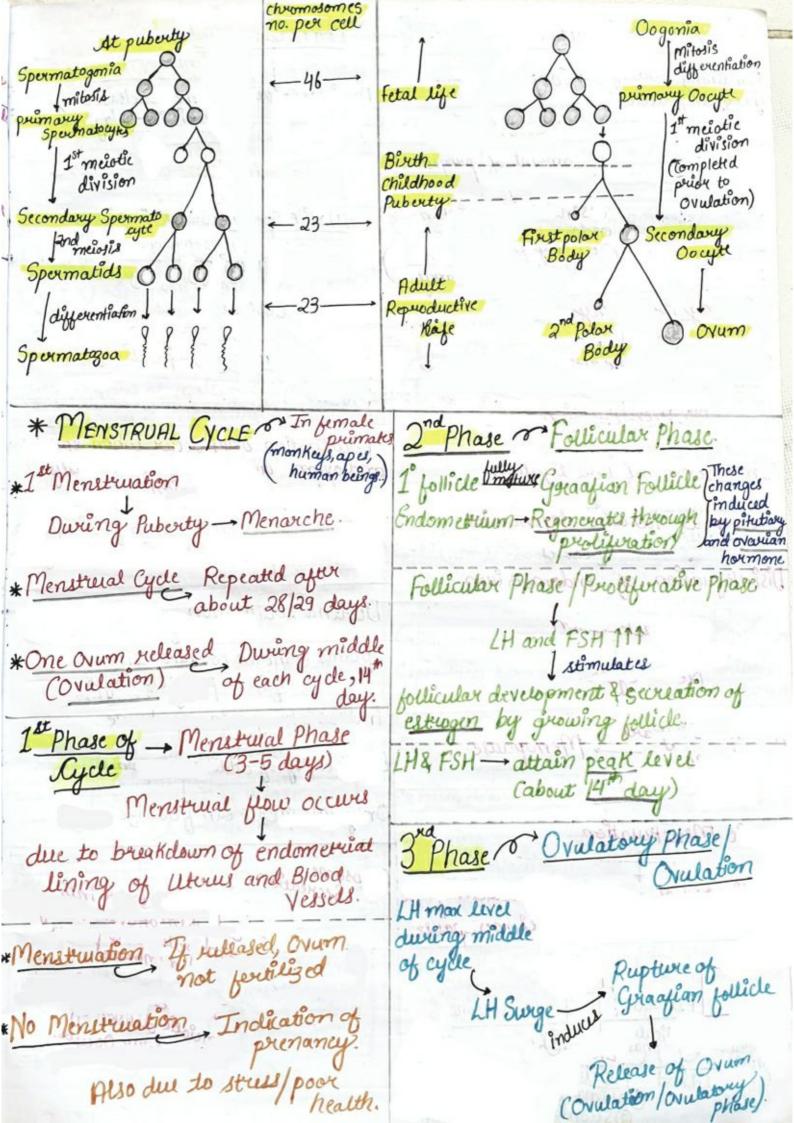
(2) Labia Majora → Fleshy fold of tissue, extend down from mons Pubis. 3 Labia Minora -> Paired fold of tissue under labia Majora. 4 Hymen -> Partially Covers opining of Vagina. 6 Clitoris Tiny finger like projection, lies at upper junction of 2 labia minora. * Mammary Glands it into 15-20 contain cluster of opens into cult of Candular - Tissue Mammary Lobes - Alveoli - Mammary Tubules opens into Mammary Tubules opens into Comile formation)

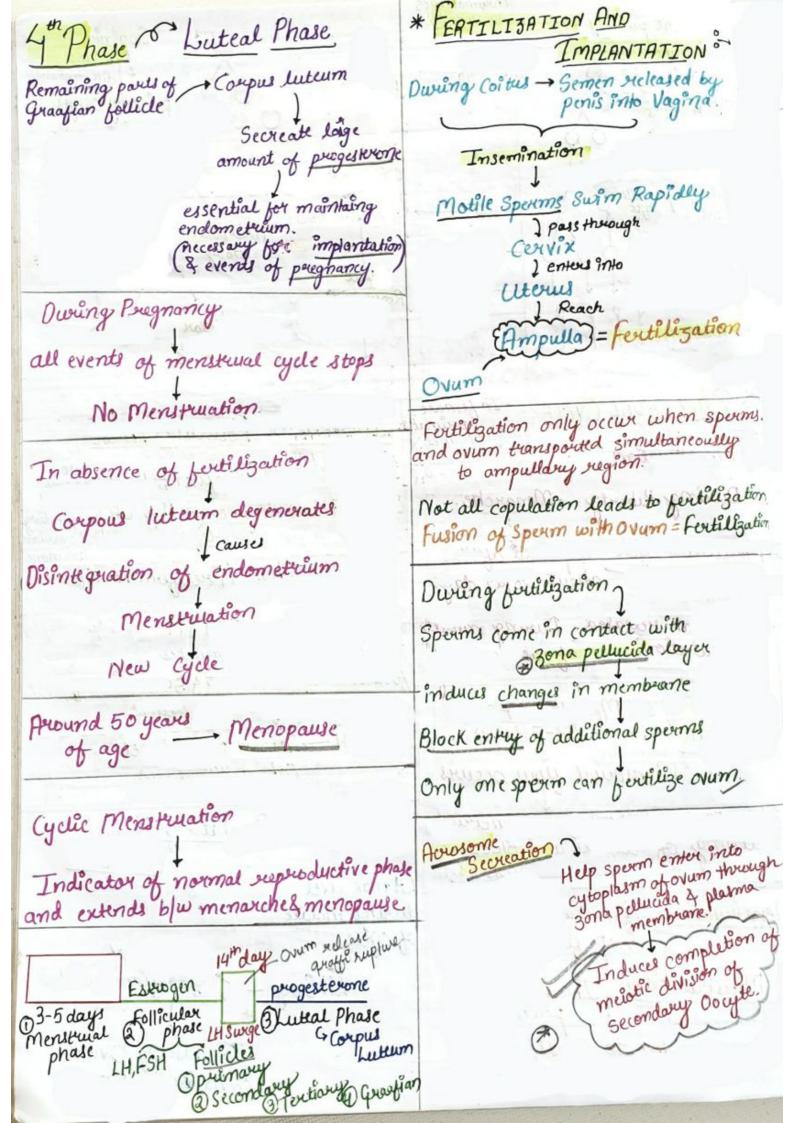
Lactiferous Duct competer Ampulla - Mammary Ducts (Variable Amount of Fat. NEET SLAYER (Support)

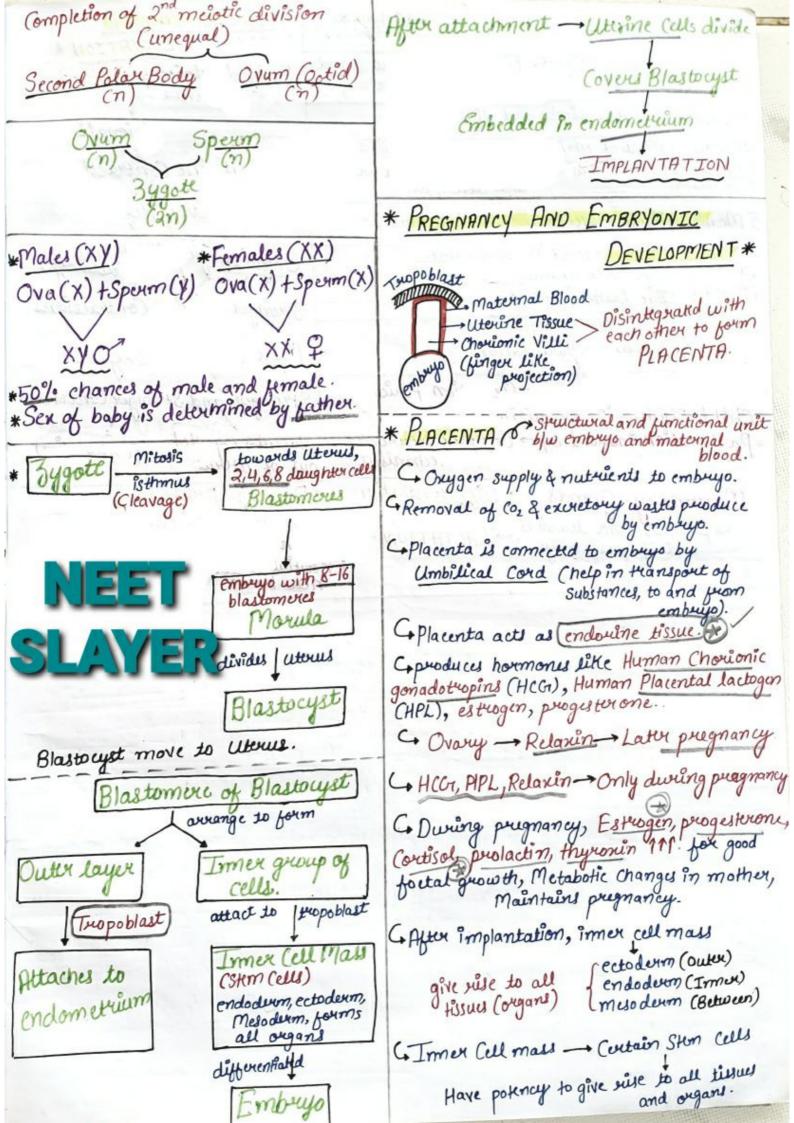
* Gametogenesis * Primary Sex Organs gametes) - Spermatogenesis. Testies - Speums gametogenesis Ovaries - Ovam - Oogenesis * Specmatogenesis > begins at puberty. * Diagram -> Seminiferous Tubule. Spermatogonia - inside wall of immature male germ cells)
46 chromosom (2n) Spermatid Secondary Spermatocyte multiple mitosis. Speumatocyk Number 111 Some Spermatogonia called primary spermatocyte (2n) -Sextoli Cell)1st meiotic division Secondary formation of 2 Spermatocytes. equal haploid Spermatogonium Secondary 2 meiosis 4 Spermatid Spermatocyte (n) * Sperm. - Microscopic Structure Spermiogenesis Plasma membrane envelops whole body Spermatogoa Sperms) Head or clongated Hapioid Nucleus. Released from
Seminiferous tubule Cap like Structure. Sperm head lembedded in by Spermation. Sextoli Cells. acrosome (contains enzyme which help in justilizar) At Puberty IT in GinRH Gonadotropin adson Hormone Neck Middle Piece Numous Mi tochondia antour pitutiony Gland.)
A stimulate secretion of Co produce energy for movement Follicle stimulating Luteinising Hormone G bacilitating sperm motality Hormone. acts at lacts at * Structure of a Sperm?-Leydig Cells - Plasma membrane Scrtoli Cells Housome LH stimulate Nucleus contains chromosome material synthesis and I secreation of Here, FSH stimulates middle piece Hndrogens) Mitochondria (energy source for Secretion of some (wimming) stimulates factor which helps Tail REE in Spermiograsis Spermatogenesis SLAYER GinRH -> Hypothalamic Hormone

% Sperms - Normal Shape and Size Human Male Ejaculates -> 200-300 mil 40% Sperms - Vigoreus Motility Sp accesory ducts. Secondary follicle - Tentiary folliop *Secreation of - Epidydimis, Vas dyerens, *Characterised by fluid filled & Cavity -> Anteum. Byto Seminal Vescile, Prostate * Theca layer souter theca externa - Essential for maturation & motility of Spenms. at this stage, primary south within the tertiary follicle. *Seminal Plasma + Sperms -> Semen. *Functions of male accessory ducts and glands maintained Androgen (testicular) completes 1 melotic division. unequal division Tiny 1 polar body Semen Secondary Oocyte Sperm 10% Prostate+ Seminal (large) Bulbowethral Very Less cytoplasm Vesicle. 30% 60% Retains bulk of * Oogenesis. Tritiated during embryonic nutrient ruch stage (In Millions) cytoplasm of Formation of mature) premary Occyte *Ogonia (gamet Mother Cells)
(couple of million), (no more added after birth) Tertiony _ Mature Follicle J Graaflan Follicle 1 meistic division starts Secondary Ovulation supture Primary Oocyte New membrane Secondary Oocyte (arriested at prophase I) Zona pellucida. Primary Occupit thayer of Granulosa. released from Ovary primary follicle (degenerate prom * Jona Pellucida > Acellular.)

60,000-80,000 * Follicular Atresia > Death of 1° in each ovary Primary + More Layers of follicle + gramulosa cell * Spermiation -> + New Theca Kellase of Sperm from Seminiferous tubule. Secondary Follicles.







* MAJOI	R EVENTS DURING PREGNANCY *	* PARTURATION AND LACTATION *
1st Month	Embuyo's Heart. First Sign - Heart Sound by Sthetoscope.	Fully developed foctus and placenta Signals
2" Month	Develops limbs and digits.	Signals
3 Month, 12 Weeks, 1st Dumester		Mild Uterine Contractions
5 Months	First Movements. Head on Hairs.	foctal ejection Reflex
2nd Trimesto 24 Weeks, 6 Months		Oxytocin (prommational pitutions) Stronger Utvine Contractions
g Month	Foetus fully developed. Ready for parturation.	More Release of onytokin
· Child E	of pregnancy - Gestation Period. Birth - Parturation. Ation induced by - Complex Newwoodo-	Stronger and Stronger Contraction placenta expelled Partweation out of Uterus
	nary Glands - Differentiation - Miduces milk towards - LACTATION - Cond of pregnancy.	+ During programmey.
	share, subse	ribe Sa

NEET SLAYER