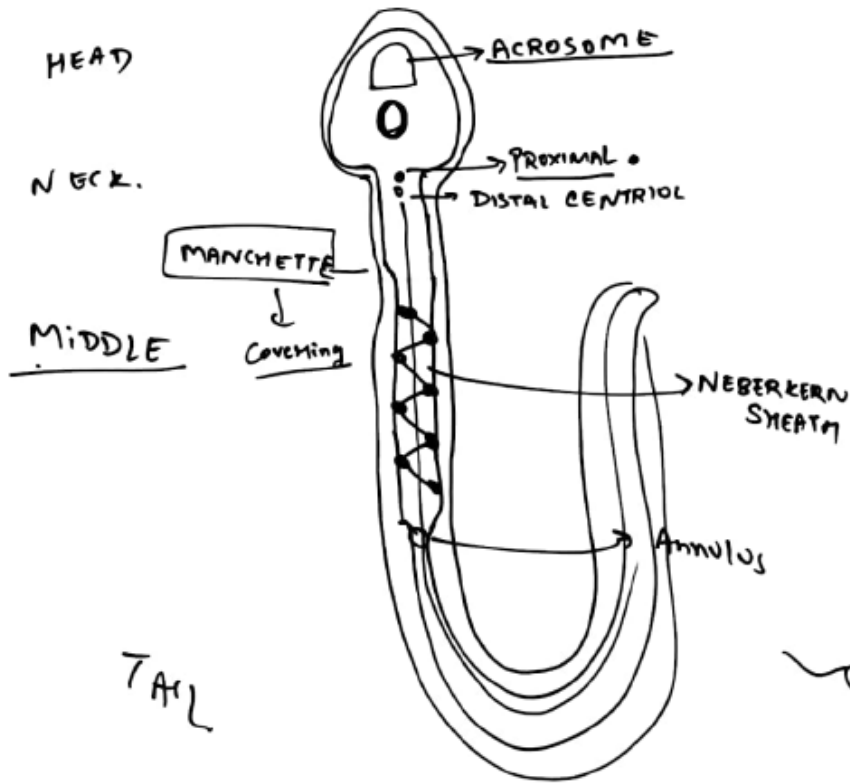


SPERMATOGENESIS :-> SPERM



STRUCTURE OF SPERM



HEAD → IT CONTAINS CAP LIKE STR. CALLED ACROSOME (G.B)
 ↳ IT CONTAIN HAPLOID NUCLEUS ↳ SPERM LYSIN

NECK → CONTAIN
 ↳ PROXIMAL CENTRIOLE
 ↓
 CLEAVAGE
 ↳ DISTAL
 ↓
 AXIAL FILAMENT

MIDDLE PIECE → CONTAINS 25-30 SPIRAL ARRANGED MITOCHONDRIA → SPERM ENERGY
 ↳ NEBERKERN SHEATH

TAIL → IT HELP IN LOCOMOTION.



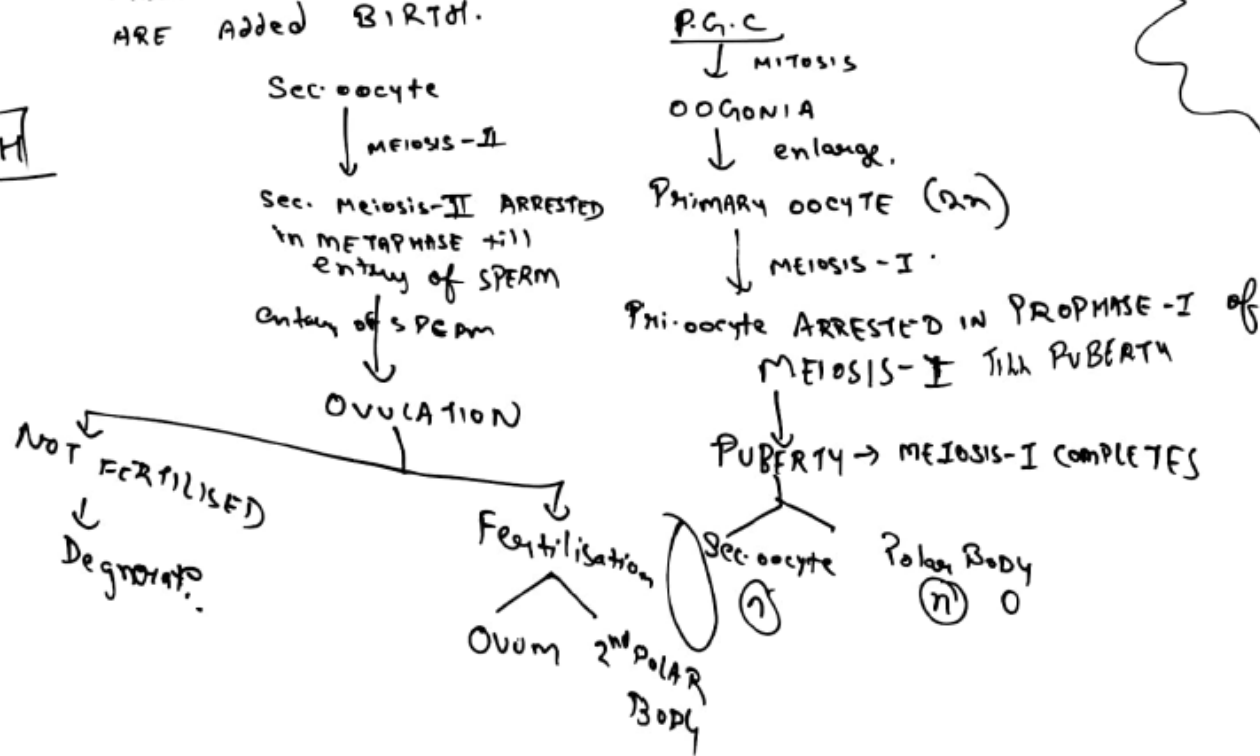
GENESIS ⇒ PROCESS OF FORMATION OF OVUM.

STARTS IN EMBRYONIC LIFE.

MILLIONS OF OOGONIA ARE FORMED, NO MORE OOGONIA ARE ADDED BIRTH.

SPERMATOGENESIS STARTS AT PUBERTY

BIRTH
~~HORMONES~~
PUBERTY
G.NRH, F.S.H, L.H



OOGENESIS DIVIDED INTO 3 PHASE

- [A] MULTIPLICATION
- [B] GROWTH
- [C] MATURATION

[A] MULTIPLICATION \Rightarrow In THIS STAGE PRIMORDIAL GERM CELL DIVIDES & FORMS OOGONIA.
 \rightarrow THIS PROCESS COMPLETES IN EMBRYONIC STAGE.

[B] GROWTH \Rightarrow In THIS PHASE oogonia Enlarges & FORMS PRIOOCYTE, Yolk FORMATION
LONGEST PHASE IN OVIPAROUS

[C] MATURATION PHASE.

\rightarrow LONGEST PHASE IN HUMANS

PRIOOCYTE SHOWS MEIOSIS-I & GOT ARRESTED TILL PUBERTY

WHEN PUBERTY COMES, MEIOSIS-I COMPLETES & FORMS 2 HAPLOID CELL CALLED SEC.OOCYTE & POLAR BODY

POLAR BODY DEGENERATE

SEC.OOCYTE SHOWS MEIOSIS-II AND GET ARRESTED IN METAPHASE TILL ENTRY OF SPERM.

\rightarrow Phospholipid
 \downarrow
 lecithin

IF SPERM COMES THEN MEIOSIS-II COMPLETES & RELEASE ORUM & 2ND POLAR BODY

\rightarrow IF NO FERTILISED THEN DEGENERATES

MULTIPLICATION
GROWTH

