

Primitive male germ cell
Spermatogonia $(2n)$

1 Proliferating
increasing number of cells
laughter spermatogonia (spermatogonia) $(2n)$

2 Growth
increasing size
1 Primary spermatocytes (largest germ cell) $(2n)$
x2 increase number of cells
x2 decrease number of chromosomes
2 Secondary spermatocytes $(1n)$
3 Maturation
first maturation division (meiosis I)
second maturation division (meiosis II)
4 Spermatids $(1n)$
transformation spermiogenesis = 4 spermatozoa = spermatozoa $(1n)$

(2 2 1) (لبنه الكبة = دانه جتنا، سيرة)

secondary follicle, اوله لسه $(1n)$

1 Prenatal events
Primitive germ cell = oogonia cells $(2n)$

1 Proliferating
increasing number of cells
laughter oogonia (oogonia) $(2n)$

2 Growth
increasing size
1 Primary oocyte (largest germ cell) $(2n)$
x2 increase number of cells
x2 decrease number of chromosomes
2 Secondary oocyte $(1n)$
3 Maturation
Beginning first maturation division (Pre Phase I) (meiosis I)
Reactivation of first maturation division (antral phase, follicle phase I) (meiosis I)
second maturation division (meiosis II)
4 Ootid $(1n)$
5 Mature ovum $(1n)$

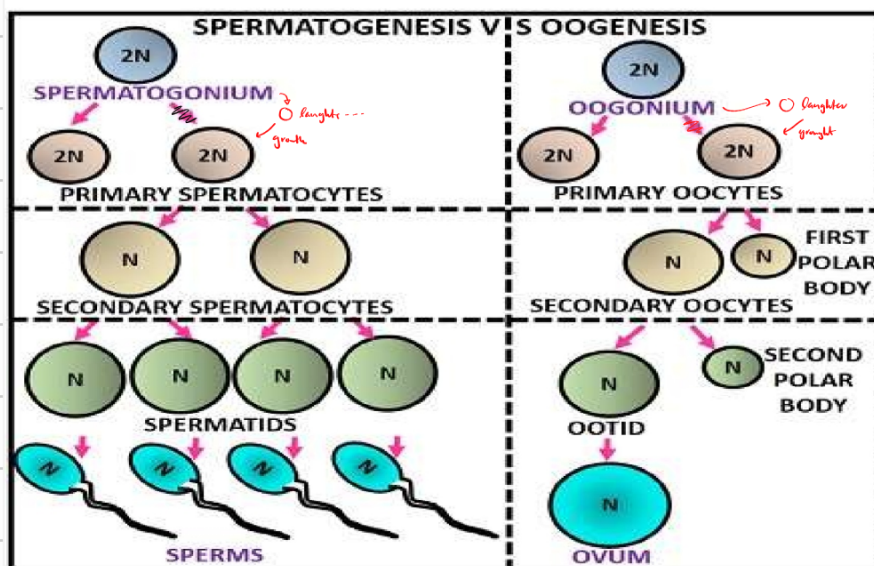
Then arrested under the effect of **oocyte maturation inhibitor (O.M.I.)** secreted by the follicular cells
- About 20 primary follicles are triggered but only one follicle matures and the rest degenerate forming atretic follicles.
Primary oocytes
فولكله اوله لسه
فولكله اوله لسه

2 Postnatal events
Puberty

(2 2 1) (لبنه الكبة = دانه جتنا، سيرة)

second polar body = mature ovum, first polar body
secondary oocyte
فولكله اوله لسه
فولكله اوله لسه

only if fertilization occurs the uterine tube.
1st polar body
2nd polar body
mature ovum
Ootid
mature ovum
فولكله اوله لسه
فولكله اوله لسه



مخزن
الدمار
في
الجنين 2n/1n