

C.N.S. response ,
 hormonal effect oxytocine and estrogen.and PG
 chemical substance inside the sperm which increases sperm
 movement inside female G.T.i:e
 PGs hormone which increases muscles movement .
 Presence of cilia in oviduct, uterus and cervix.
 Secretary dome cells which covered by cilia which found in
 oviduct more than uterus and cervix.
 Sperm reach the ova inside cows within 20-30 minute
 Uterus contractions increases during mating.
 Function of The Cervix.

Mucous fluid of cervix help in direction of sperms to
 uterus,storage and libration of sperms when need.

- 1-Considers as first filter.
- 2-Discarded dead abnormal, non motile or moved
 sperms out side uterus through vagina.
- 3-Protect sperms from abnormal vaginal
 environmental and prevent sperms phagocytes by
 W.B.C.
- 4-PHYGOCYTOSIS TO DE AD SPERMS.
- 5-prevent passage of all sperm in ejavulator(sheep
 ejaculate 3 million or less –allow one million or
 less to passge.
- 6-Keep normal PH of semen.
- 7-Storege, energy and nutrition for sperms during
 storage.
- 8-Cevix secretion allow the sperm swine, movement
 and passage during estrous phases.

Sperms transported through uterus

Contractions of the uterus during estrous phase due to oxytocine H. allow
 sperm to move toward oviduct phagocytes of dead sperm and washing up
 all sperms cant reach oviduct .PGH and spasmogen in semen help in
 uterus movement as well as Estrogen H. phagocyte to dead sperms by
 W.B.C

In mare and sow:The first barrier is the utero-tubules

In cow, ewe and goat. The second barrier is the Utero-tubules sphincter.