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Lecture in Artificial insemination

Male Animal Considered To fulfill 3 majors function:

- 1- Production of spermatozoa in the testes.
- 2- Maturation ,storage, transport of spermatozoa within the duct system .
- 3- Deposition of semen in the female genital tract (FGT),

Semen Deposition in the female Genital tract.

1-natural mating 2-Artificial Insemination.

NATURAL MATING; By introducing of male penis in the female vagina this processes called Penis intromission ,than follow by semen ejaculation in the vagina or on external os uterine (cervix),in cow, ewe and goat .

ram Penis with urethral process which made stronge dushing to the semen on os-uterine and anterior part of vagina.

In pig and dog semen deposition inside the uterus .

In MARE penis bush inside the relax ,opening external os-uterus due to estrous and semen ejaculated inside cervix +the negative pressures due to inhalation, also help in bush the semen in side the uterus.

ARTIFICIAL INSEMENATION.

In general semen deposition in middle of cervix to reduce trauma of uterus during introduce of catheter .

The semen could be deposit in the right or left uterine horn, using CATHETER OR Laparoscopically, surgical lapretomy.

BEST Method of.A.I. is Recto-vaginal method because.

Made massage to the uterus which increases in oxytocine hormone secretion which lead to increases in uterine muscle contraction. Vaginal insemination lead to decreases about 40% in fertility ,also need increases in Number of active life sperm(insemination dose)

Vagina Speculum or Vagina scope method. For introduce semen in opening relax cervix.