**Suppressing reproductive activity**

**Advantages of technology**

1 – Management difficulties

2 – Reduce aggressive and sexual behavior

3 – To improve meat and carcass quality

4 – Suppression of estrus behavior where mares are used for other industry related events ( e.g. showing, racing, working ).

Enumerate method used for suppressing reproductive activity

**1 – Surgery method**

* Castration
* Vasectomy
* Removal ovaries

**2 – Artificial manipulation of the scrotum method**

The scrotum artificially shortened to hold the testis close to the body, resulting elevated testicular temperature causing reduced spermatogenesis

**3 – Hormonal method**

* Use progesterone in various ways
* GnRH agonist implants
* Meleogestrol acetate (MGA)
* Melatonin treatment give mare during summer result estrus cycle inhibition
* Chronic administration of progesterone to stallion might suppress secretion of LH and testosterone level and suppress sexual behavirous

**4 – Non pharmalogical method**

* Inducing prolonged diestrus in the mare, induced pseudopregnancy by using manual pressure applied per rectum, terminate pregnancy in the 16-22 day of gestation

**5 – Immunization method**

* GnRH vaccine developing vaccine against GnRH to suppress the ovaries and testis activity.
* Immunization vaccines against zona pellucid proteins.