INDUCTION OF ESTRUS BY PROGESTERONE IMPLANT (TRIU-B) IN AN ANESTRUS JERSEY CROSSBRED COW

Mohanapriya Yogananthan  
Madras Veterinary College, Chennai, TANUVAS

A pleuriparous jersey crossbred cow at its third parity was brought to Large Animal Gynaecology Unit of Madras Veterinary College Teaching Hospital with the history of anestrus over a period of one year. Rectal examination revealed external os of the cervix closed, uterus flaccid and no palpable structures present on both ovaries. Ultrasonography examination revealed presence of small multiple follicles on both the ovaries. After supplementation of TANUVAS mineral mixture for a period of about one month, estrus was induced using progesterone implant (TRIU-B). The device was kept in the vagina for a period of about nine days. On day 8, Inj.PGF2α (Cloprostenol, 500μg, i/m) was administered and on day 9 the implant was removed. On day 11, Inj. GnRH (Gynarich, 10μg, i/m) was administered and artificial insemination was done in the morning and evening. Animal was confirmed as pregnant after 45 days post insemination by ultrasound examination.

Keywords: Anestrus, Progesterone Implant, Cow

Faculty Advisor: Dr.J.Umamageswari, M.V.Sc., Assistant Professor, Department of Clinics, Dr.Cecilia joseph, Ph.D., Professor and Head, Department of Clinics