

INDUCTION OF ESTRUS IN A DOE USING PROGESTERONE

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Anestrus is a period of absence of sexual cycles and manifestation of heat. A two year old Tellicherry female goat weighing 24 kg was presented to the Large animal Gynaecology ward, Madras Veterinary College Teaching Hospital on 07-06-2012 with the history of no signs of heat. General clinical examination revealed good body condition. The vulva was normal and vulval

mucous membrane was pale pink in colour. On first day Vaginal Exfoliative Cytology (VEC) showed predominance of parabasal, intermediate cells and neutrophils. Transrectal ultrasonography failed to locate the ovaries. TRIU-C, a progesterone coated device was inserted into the vagina on 07-06-2012 (Day 0). 125mg of PGF_{2α} analogue cloprostenol was administered intramuscularly on 14-06-2012 (Day 7) and the TRIU-C device was removed on 15-06-2012 (day 8). VEC showed predominance of superficial intermediate cells and neutrophils on the day of TRIU-C withdrawal. The doe was observed for estrus symptoms. After 72 hours the doe showed behavioral signs of estrus and estrus was confirmed by VEC which showed predominance of superficial and cornified cells. Artificial insemination was performed on 18-06-2012 (72 hours) and 19-06-2012 (96 hours).