XV. 15. PGF$_2$α IN THE CLINICAL MANAGEMENT OF CANINE ABORTION

Manik Patil, Cecilia Joseph and K. Kulasekar

Department of Animal Reproduction Gynaecology and Obstetrics, Madras Veterinary College, Chennai - 7.

In polytoccus animals especially bitch, abortion is usually incomplete with retention of some fetus and fetal remnants. Prostaglandin brings about contractions of the myometrium and helps in expulsion of the exudates from the uterus. PGF$_2$α therapy can be used in juvenile dogs that have had abortion to maintain future breeding potential. To study this effect, six pregnant bitches with history of tarry red colored vaginal discharge presented to the Small Animal Gynaecology and Obstetrics section of the Madras Veterinary College Teaching Hospital were utilized. At the time of clinical examination, the bitches had anorexia and tarry, red colored vaginal discharge with a slightly elevated temperature. Ultrasonographic examination of all the bitches revealed the presence of empty fetal sac and fetal sacs with fetal remnants confirming abortion. They were treated with Inj. PGF$_2$α analogue @ 0.01mg/kg body weight subcutaneously (Inj. Juramate® of M/s JUROX Pvt. Ltd, Australia containing synthetic prostaglandin analogue, Cloprostenol sodium 250µg/ml) for 7-9 days.