

THERAPEUTIC MANAGEMENT OF ENDOMETRITIS IN A MARWARI MARE

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ABSTRACT

A case of endometritis in a mare has been presented in this paper.

Keywords: Marwari mare, Endometritis, Treatment, Ultrasound

INTRODUCTION

Uterine infections are recognized as reasons of reproductive failure in mares among which endometritis, the condition is followed after foaling or covering or due to unhygienic artificial insemination (A.I) is one of the reasons. This condition causes infertility by premature lysis of the corpus luteum, leading to early pregnancy failure (Gary England, 2005) and due to placentitis in late pregnancy. The clinical signs includes short and irregular cycles, presence of pus flakes in the cervicovaginal mucus discharge at the time of estrus and failure to conceive even after several inseminations. If the condition is not treated properly, it may leads to infertility.

CASE HISTORY AND OBSERVATION

A Marwari mare 7 years old (Body weight 380 kg) had shown the heat signs at regular interval and inseminated with frozen semen two subsequent estrous cycles but mare failed to conceive. When the mare had shown the heat signs at 3rd time, rectal palpation and ultrasonography examinations revealed enlarged uterus and moderate uterine fluid, respectively (Fig).

TREATMENT

Intra-uterine therapy was initiated with 1 per cent povidone iodine in 200 ml of normal saline on 1st day and subsequent 3 days, 0.5 per cent Metronidazole 30 ml and Gentamicin 30 ml (1200 mg), respectively. After intra-uterine treatment, during the second estrus the mare was inseminated with frozen semen and the

pregnancy examination was done with ultrasonography on 19th day and further confirmation was done on 30th day post insemination. The mare got conceived, carrying the pregnancy normally. From this case we have observed that, the above intra-uterine treatment is effective in equine.

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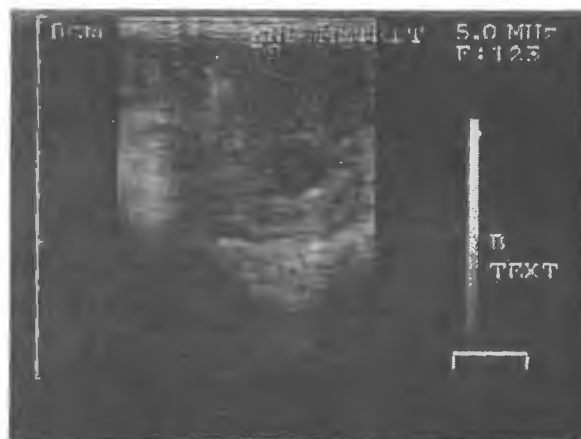


Fig.: Fluid filled enlarged uterus