

## Uterine Torsion in a Bitch

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### Introduction

Twisting of the uterus on its own long axis results in torsion of uterus. Uterine torsion occasionally seen in dog. It is caused by lack of foetal fluid and violence such as sudden falls or rolling. Roberts (1982) and Jackson (2004) reported that the uterine torsion was corrected by caesarean operation in bitch.

### Case history and observation

A crossbreed bitch (German-shepherd x Pomeranian), aged about 5yrs, weighing 30 kg was brought to "Teaching Veterinary clinical Service Complex, Nagpur" with history of off feed, restless, anorectic since last 5 days and unwanted matting occurred two months back and was treated locally with inj. Pitocin by local veterinarian. Clinical examination revealed that the body temperature was 103.5 OF, blackish colour discharge from vagina, tense and distended uterine horns on abdominal palpation. Ultrasonography revealed dead foetuses in the uterus. On the basis of these observations emergency Caesarean operation was performed.

### Treatment

Under necessary pre-operative preparation and dissociative anaesthesia, bitch was operated for caesarian section. A ventral midline laprotomy was performed, intact zonary placenta along with dead foetus was found in the left uterine horn. Whereas the right uterine horn was found ruptured due to the torsion at caudal end of the horn and the dead foetus was observed in abdominal cavity. Putrification process was started indicated that the dead foetus remained in the uterus for about 24 to 48 hrs. along with blackish brown, foul smelling fluid and there were adhesions of uterus, ovary, urinary bladder. Similar observations of adhesion were also reported by Roberts (1982). Under such situation, it

was resolved to perform ovariohysterectomy, under necessary anaesthesia.

Postoperative care: Post operative treatment followed for 5 days that is inj Dextrose saline intravenous and inj. Amoxicirum fort 20mg/kg b.wt. intramuscularly and inj. Meloxicam 1mg/kg b.wt and daily dressing of surgical wound with betadine solution till removing suture. The bitch shows uneventful recovery.

### Discussion

In this case gravid horn was torsioned at caudal portion of the uterine horn similar finding was also reported by Roberts (1982). Due to long standing uterine torsion and use of oxytocine preparturient rupture of uterus was observed in this case and similar observation was reported by Jackson (2004) and Haurka et al (2005). Prior to birth in the dog foetus is normally in ventral position and rotates through 180° just before entering the pelvis and in this case lack of foetal fluid and sudden falls or rolling it may result into uterine torsion Arthur et al (1992) and Jackson (2004).

### References

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