

Accidental Prepubic Tendon Rupture and Fetal Mummification in a Goat

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ABSTRACT

A rare case of accidental prepubic tendon rupture with fetal mummification in goat and its treatment by caesarean operation is reported in this communication.

Key words: Fetal mummification, Goat, Prepubic tendon rupture

Rupture of prepubic tendon is seen most commonly in the mare and rarely in the cow and ewe (Roberts, 1982). It is rare in cattle because the subpubic tendon, a structure that does not exist in horses gives added support to the prepubic tendon (Roberts, 1982). Rupture of prepubic tendon occurs during the last 2 months of pregnancy. The rupture is predisposed by the increased weight of gravid uterus on the abdominal floor and possible degenerative changes due to the edema and weight. Occasionally, due to violence and trauma, the condition occurs suddenly without the development of edema (Roberts, 1982).

A four and half year's old pregnant goat with full term gestation was presented to the college polyclinic with the history of an accident 2 months back by a motor cycle. At that time animal was successfully treated by a local veterinarian. With the advancement of pregnancy, there was rapid enlargement of the abdomen. Animal started labour pain and did not give birth to kid after several hours of straining.

Per-vaginal examination revealed incomplete dilatation of cervix with the constricted pelvis. Abdominal ballottement and its excessive enlargement along with the history of accident leads to the case be diagnosed as rupture of prepubic tendon (Fig.1). Due to incomplete dilatation of cervix, narrow constricted pelvis and prepubic tendon rupture the chances of per-vaginal delivery was ruled out.

So the caesarean operation was decided to resort to deliver the fetus.



Fig. 1. Photograph showing accidental rupture of prepubic tendon in a goat

Animal was restrained in right lateral recumbency. Lower left flank region was prepared aseptically and infiltrated with Local anaesthesia. Laparotomy was performed by giving an oblique incision at lower flank region. Uterus was found ruptured and adhered with the peritoneum and abdominal wall. The fetus was also adhered with the peritoneum and abdominal wall. Two fetuses were delivered. Of two fetuses, one was well developed, live and normal but the other was small and mummified. The uterine incision was closed with lambert type suture using chromic cat gut no. 2. The laparotomy incision was sutured as per standard technique. Post operatively animal was administered antibiotics, pain killers besides tonics and fluid therapy.

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In present case, prepubic tendon was ruptured due to an accident, thus confirming the findings of Roberts (1982). The fetus which was present towards the side of accident was dead. Since the environment of the uterus was sterile therefore the dead fetus was mummified at the same stage of development.

REFERENCES

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ISSAR NEWS

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