

DYSTOCIA due to *Perosomus Elumbis* in a Goat

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ABSTRACT

A stillborn *Perosomus elumbis* male kid encountered in anterior longitudinal presentation with postural defects of extremities in a goat was delivered by lubrication, correction and manual traction.

Key words: Dystocia, Goat, *Perosomus elumbis*

The abnormality of *Perosomus elumbis* is seen most often in cattle and pigs as compared to the goat (Roberts, 1971). *Perosomus elumbis* in calf was first reported in the veterinary literature in 1832. *Perosomus elumbis* designates a set of congenital abnormalities that primarily includes arthrogyriposis of hind limbs, characterized by ankylosis of joints, with associated malformations of the musculature (Jones, 1999). In this type of monster, the lumbosacral region of back is devoid of a rigid skeletal support and the hindquarters are strongly underdeveloped (Gentele and Testoni, 2006). The defect may be functional or structural involving a single anatomic structure or part of several systems (Saperstein *et. al.*, 1995). The lumbar vertebrae were rudimentary and rear quarter muscles were atrophied which might be due to lack of movement by developing foetus (Arthur *et. al.*, 1996).

A full term goat, aged about 4 years with second parity was presented to Veterinary College Clinic, Anand, with a complaint of futile labour pain, severe straining and frequent bleating since last evening. On per-vaginal examination, cervix was found to be dilated with scanty fluid present in the birth canal. The fetus was lodged in the birth canal in anterior longitudinal presentation, dorso-pubic position with both the forelimbs retained into the uterus below the fetal body with bilateral

knee flexion and fetal head extended into the birth canal. After complete repulsion and rotation of the fetus, the dead fetus could be delivered with the traction. The placenta was expelled out immediately after the foetus with complete separation.

The goat was treated with intra muscular Injections Cal-dee-12 -6 ml, Oxytocin-25 IU and Ciprofloxacin (C-Flox), 5mg/kg body weight, and two Furea (Pfizer India Ltd.) boluses were inserted into uterus to hasten the involution of uterus and control infection. The dam did not exhibit uterine straining after relieving dystocia. The animal was discharged with an advice for follow-up treatment.

The monster was a male kid with typical features of *Perosomus elumbis* (Fig.1) described by Roberts (1971). The kinking and ankylosis of vertebral column with dorsolateral deviation involving posterior half of thoracic,



Fig. Monster with typical features of *Perosomus elumbis*

lumber and sacro-coccygial vertebrae were distinctly visible. There was bilateral dorsal flexion of fetlock joints due to contracted digital extensor tendons. The head, tail and the other body segments were almost normal.

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ISSAR NEWS

A general body meeting of ISSAR Orrisa chapter held on 10.5.08 at Frozen Semen bank, Cuttack, Orrisa. The all members of the chapter decided to form a new executive body as under:

President	:	Dr. S. K. H. Roy
Vice President	:	Dr. S. K. Pal
Secretary	:	Dr. Srinibas Das
Joint Secretary	:	Dr. R. M. Moharatha
Treasurer	:	Dr. P. C. Mishra

The meeting was resolved after long discussion on different aspect of reproduction and a series of lecturer delivered by senior members and invitees. Besides this other issues were discussed for better functioning of the chapter.

ISSAR congratulate all the newly elected office bearers of Orrisa chapter and awaits a progressive development.