

## A case of parturient paresis in a cow and its successful treatment

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Parturient paresis occurs most commonly in high producing adult lactating dairy cattle. A disease of cattle, sheep and goats occurring around the time of parturition and caused by hypocalcaemia is characterized by weakness, recumbancy and ultimately shock and death (Radostits *et al.*, 2007). The present papers reports a case of parturient paresis in cow and its successful treatment in cow.

### Case history:

A seven year old cow was presented on field with history of parturition before 2 days and death of a calf very next day of the parturition. The cow was unable to stand, anorexia, muscle tremors of limbs, grinding of teeth, agalactia and suspended rumination were observed.

On clinical examination of cow, it showed rectal temperature 98.0°F, respiration rate 30/min, heart rate 90/min and no ruminal motility. The cow was typical sternal recumbancy with a left lateral kink in the neck and head resting over the flank. Based on the history and symptoms, the case was diagnosed as parturient paresis.

### Treatment :

The cow was treated with calcium borogluconate @450ml, I/V, Antihistaminic and B-complex vitamins on 1<sup>st</sup> day. On the 2<sup>nd</sup> day and 3<sup>rd</sup> day 250 ml, I/V calcium

borogluconate and injection of Tonophosphan @30ml, I/m were given. Owner was advised to give daily mineral mixture.

### Discussions:

After third day of treatment cow was recovered completely. The major clinical manifestations exhibited by the cow were muscle tremours, absence of ruminal motility, grinding of teeth, agalactia and typical posture of parturient paresis along with response to calcium therapy has also reported by Smith (2000), Chakrabarti (1994) and Radostits *et al.* (2007).

## ● LITERATURE CITED ●

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