Treatment of Chronic Mastitis in a Dairy Cow: A Case Report

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Abstract

Case Description: A 4-years old crossbred cow, presented to Outdoor Hospital with a history of no milk letdown from udder even 7 days after parturition (in 3rd lactation).

Clinical Findings: After complete physical and clinical examination, it was concluded that animal was suffering from chronic mastitis and was unresponsive to medicinal treatment of 5-7 days.

Treatment: After proper restraining of the animal, the fibrosed material in teat canal was crushed with teat bistoury and removed through hand milking process. To avoid further adhesion in the teat canal and for milking purpose, four plastic tubes made from I/V drip set having stoppers were passed through the teat canal. These tubes were fixed to teat with the help of suture material and adhesive tape. Finally, the animal was given intra-mammary tubes, parental antibiotics and NSAID.

Outcome: Animal recovered as milk started coming out of teat canal and after 7 days these tubes were removed. It is conclude that this is very cheap and effective surgical method for the treatment of chronic mastitis in dairy animals.

Clinical Relevance: In many cases, mastitis in dairy animals due to unawareness about dry cow therapy is observed after parturition and similar observations were reported by Hillerton and Berry (2005). Intra-mammary tubes were given through the plastic tubes inserted in teat canals as reported by Rodastitis et al. (2007) that in mastitis both intra-mammary and parental routes gave better results.

Key words: Mastitis, dairy cow, surgical treatment.

References:
