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Therapeutic management of mastitis in a cow with homeopathy medicine - A case report

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Abstract

A 5 years old cross bred jersey cow was attended at doorstep with a history of udder swelling without change in the milk. Vitals were within normal limit and clinical examination of udder revealed pain, hot, swelling and induration on palpation of left hind quarter, collected milk was tested for Californian Mastitis Test (CMT) and it was positive for mastitis based on these finding it was treated with only homeopathy medicine - Belladonna, Bryonia, Conium, Carb animalis, Phytolacca, Sulphur, Silecea, and carbo veg. all these medicine given mixed together in 200c potency (each). 15 drops orally five times in a day for 20 days. No allopathy medicines were used. After 20 days of treatment animal was recovered uneventfully and udder swelling was reduced significantly.

Keywords: Bovine mastitis, homeopathy, udder inflammation, californian mastitis test, crossbred jersey cow, non-antibiotic treatment

Introduction

Bovine mastitis is the inflammation of the mammary glands/udder of bovines, caused by bacterial pathogens, in most cases (Khan *et al.*, 2021) [3]. The etiological agents include a variety of gram-positive and gram-negative bacteria, and can be either contagious (e.g., *Staphylococcus aureus*, *Streptococcus agalactiae*, *Mycoplasma* spp.) or environmental (e.g., *Escherichia coli*, *Enterococcus* spp., coagulase-negative *Staphylococcus*, *Streptococcus uberis*) (Wei NC and Sung GH, 2020) [5]. In mild cases, visible abnormality is limited to the milk only i.e. clots, flakes or watery milk. If cows are not fore-stripped before the milking unit is attached, mild clinical mastitis will go unnoticed. In the case of moderate clinical mastitis, both milk and udder show abnormalities (Babji BR *et al.*, 2020) [1].

History and Observation

A 5 years old cross bred Jersey cow was attended at doorstep with a history of udder swelling without change in the milk. Vitals were within normal limit (Temperature - 38.7 °C, Heart rate - 76 and Respiratory rate - 24) and clinical examination of udder revealed pain, hot, swelling and induration on palpation of left hind quarter (Fig - 1), collected milk was tested for Californian Mastitis Test (CMT) formation of gel was noticed based on these it was confirmed as mastitis.

Treatment and Discussion

The cow was treated with following homeopathy medicines Belladonna - hot udder, Bryonia - udder pain, Conium commonly used for glandular affections, Carb animalis - Induration/chronic condition, Phytolacca - (Inflammation of mammary gland) Sulphur, Silecea and Carbo. veg - Removes udder toxins produced by the pathogen (Madrewar, 2016) [4] and the similar study was also been conducted by Karthik K (2020) [2]. all together were given in 200c potency 15 drops orally five times in a day for 20 days. No allopathy medicines were used. After 20 days of therapy animal was recovered uneventfully and udder swelling was reduced significantly (Fig 2).

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Fig 1: Udder swelling (before treatment)

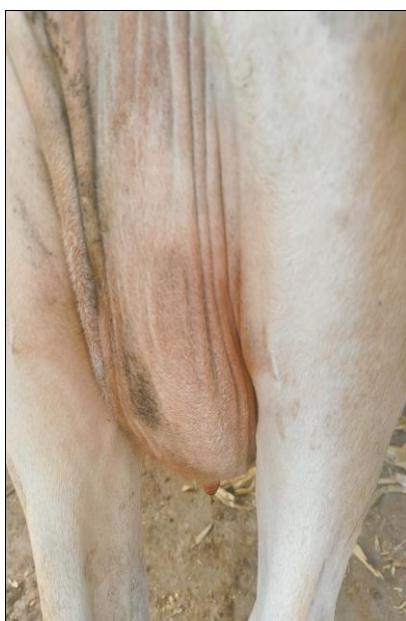


Fig 2: Reduced udder swelling (after treatment)

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References

1. Babji BR, Abhinav KRG, Ambica G, Ranjith KS. A case study of clinical mastitis in a cow. *Int J Curr Microbiol App Sci.* 2020;9(5):1759-1764.
2. Karthik K. Successful treatment of chronic fibrosed mastitis with teat fibrosis in cows by homeopathic remedies: a review of 18 cases in a field study. *Int J Curr Microbiol App Sci.* 2020;9(8):3194-3197.
3. Khan S, Kuldeep D, Ruchi T, Mudasir BG, Mohammad IY, Shailesh KP, *et al.* Advances in therapeutic and management approaches of bovine mastitis: A comprehensive review. *Vet Q.* 2021;41(1):107-136.
4. Madrewar BP. *Therapeutics of veterinary homeopathy.* New Delhi: Jain Publishers; c2016. p. 374-379. ISBN: 978-81-319-0754-2.
5. Wei NC, Sung GH. Bovine mastitis: risk factors, therapeutic strategies, and alternative treatments - a review. *Asian-Australas J Anim Sci.* 2020;33(11):1699-1713.