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RESEARCH ARTICLE

SUCCESSFUL TREATMENT OF FIBROSED UDDER IN COWS

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ABSTRACT

20 cross bred cows not responded to mastitis treatment and developed fibrosis of udder were used in this study. Apart from two control cows, others were treated with Pendistrin SH intramammary infusion every 24 hours for a week and topical application of Mastilep gel twice daily for 10-15 days. 93% recovery in all the treated cows noticed from 10-15 days. 50% recovery and progression to udder abscess after 15 days noticed in each of the two control cows.

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INTRODUCTION

Fibrosis is a common sequel of unsuccessful mastitis treatment which is of sentiment and economic importance.

MATERIAL AND METHOD

20 cross bred cows, ranged between 1 to 5 calvings, not responded to peracute/acute mastitis treatment were presented. Hard swelling in one or more quarters and watery/ mild yellow thin secretion noticed. Out of 20, two were kept as control and given no treatment. Other 18 cows were infused with Pendistrin SH ointment 6ml (ZydusAH) once in 24 hrs for 7 days intramammary and topical application of Mastilep gel (Ayurved) twice daily for 10 to 15 days.

RESULT

One control cow showed 50% reduction of fibrosis on 15th day with no milk secretion. Other control cow showed udder abscess. In treated cows from 7th day onwards swelling found to be reduced. All the treated cows except one showed complete recovery between 10 and 15 days with reduced quantity of milk yield.

DISCUSSION

Mastitis when not treated successfully or left uncared will progress to fibrosis. Fibrous tissues proliferate and occupy the place of infected and damaged soft mammary tissues. Formation of fibrous tissue and encircling the pathogen is a defensive mechanism from preventing the spread of pathogen. Thus extensively indurates the udder and teat cisternae (Nieberle *et al.*, 1996). When uninterrupted, either consecutive abscess formation or spontaneous recovery occurs. Revealed literature showed no treatment regimen.

Summary

Udder fibrosed cows were treated effectively with intramammary infusion of Pendistrin SH and topical mammary application of Mastilep gel.

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