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The current status of camel mastitis in Benadir region, southern Somalia

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ARTICLE INFORMATION

ABSTRACT

A Cross-sectional study from January to August 2018 was conducted to determine the prevalence of clinical and subclinical mastitis of dairy cattle in camel dairy farms in Benadir region Somalia. The general objective of this study is to know the current status of camel mastitis in Benadir region, southern Somalia, where the specific objectives is; To identify the prevalence of camel mastitis in Benadir region, to know the risk factors associated with camel mastitis in Benadir region and to identify the economic impact of camel mastitis in Benadir region. A hundred(100) one humped lactating she camels were selected for the study and milk sampled were collected from five randomly selected camel dairy farms, upon collecting the samples owner were interviewed and the premises were observed to assess the hygiene level of the farms and to determine the various possible risk factor for this disease, besides the milk sampling 20 questionnaires were administered to different respondents from all the categories of people in the study area to assess the level of awareness and knowledge of mastitis the community have.

All milk samples were screened for Subclinical mastitis (SCM). The overall prevalence of Subclinical Mastitis in the region was 39%. Barwaaqo had highest SCM prevalence (60%) and Beder had the least prevalence (20%). Most common risk factors for mastitis was found to be late lactation period, young age and poor hygiene condition of the farm. On the side of awareness, people with knowledge levels higher than primary school, and male gender was found to have the best awareness towards the disease, Bacteria was found to be the mostly recognized causative agent of subclinical mastitis as per the respondent's view, as of the clinical signs swelling of the udder and milk reduction were the most reported clinical signs by the respondents.

Key Words: camel mastitis, current status, southern Somalia, Benadir region



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