

Title: Questionnaire survey with cattle owners during Lumpy Skin Disease (LSD) outbreak in Basrah Province, South of Iraq

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Lumpy skin disease (LSD) is an epizootic viral disease causes significant economic impacts through affecting a large number of livestock population. Our Study based on a questionnaire designed to describe the occurrence of LSD outbreak in five districts of Basrah and to assess its association with epidemiological risk factors. The study was conducted from the month of December 2018 to May 2019, with a total of 251 cattle owners involved in the interviewing. Out of 251 owners interviewed, 329 of cattle cases were reported having infected with LSD (accumulative incidence estimated at 16.2%). This study revealed that female animals were observed to be the highest proportion of infection 62% (205/329) compared to males 37% (124/329). The majority of owners (90%) admitted that they did not segregate the infected animal from the rest of the herds. With respect to animal management and farming system, the semi-intensive system of rearing animals was the most common farming system and dominated by farmers 70% and only 30% were kept under the intensive system. The majority of the owners 97.2% (244/251) reported they were not received any vaccine of LSD. The mortality rate measured at 2% while the case-fatality calculated at 11%; however, the case fatality in the males measured at 2.5% (95% Cl: 1.28, 5.22%) as much higher compared with female animals. The abortion rate among infected pregnant cows was estimated at 10.5%. The study concluded LSDV is a newly emerging disease in Basrah and preventative measures including restriction illegal movement of animals, vector control, farm biosecurity and, vaccination programme, all of which are crucial measurements and need to be seriously considered to prevent further incidence cases of LSD in cattle.

Biography

Mohanad Abdulhameed completed PhD at the age of 39 years from the school of Veterinary and Life Science/Murdoch University (Western Australia). Previously, I graduated in 2003 from the University of Basrah with my veterinary degree. I worked as a veterinarian at the Veterinary hospital in Basrah province for three years. Currently I am a lecture and researcher in Veterinary Epidemiology at University of Basrah. My research interests focus on epidemiology and public health. During the time of research and teaching I published 8 papers in excellence reputed journals.

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