

عنوان مقاله:

Serological prevalence of avian H₉N₂ influenza virus in dogs by hemagglutination inhibition assay in Kerman, southeast of Iran

محل انتشار:

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نویسندگان:

Mehdi Saberi - *Department of Clinical Sciences, Faculty of Veterinary Medicine, Shahid Bahonar University of Kerman, Kerman, Iran*

Hadi Tavakkoli - *Department of Clinical Sciences, Faculty of Veterinary Medicine, Shahid Bahonar University of Kerman, Kerman, Iran*

Ali Najmaddini - *DVM Graduate, Faculty of Veterinary Medicine, Shahid Bahonar University of Kerman, Kerman, Iran*

Mahdieh Rezaei - *DVM Graduate, Faculty of Veterinary Medicine, Shahid Bahonar University of Kerman, Kerman, Iran*

خلاصه مقاله:

Influenza is a highly contagious zoonotic disease in the world. Avian H₉N₂ influenza virus is a significant pandemic pathogen widely distributed throughout the world. Pet ownership has been documented as a risk factor for infection transmission to human. Considering major public health concern, the prevalence of antibodies against avian H₉N₂ influenza virus was evaluated in 170 serum samples of dogs by hemagglutination inhibition assay. This study is the first survey to assess the epidemiology of avian H₉N₂ influenza virus infection in dogs in Kerman, southeast of Iran. Out of 170 samples, 65 (38.23%) were positive for H₉N₂. Antibodies were higher in farm dogs that were kept with other animals and also in dogs were fed a raw diet. These findings emphasize the importance of close attention to these populations for control and prevention programs. It is important to reduce infection burden, especially in regions with widespread distribution of H₉N₂.

کلمات کلیدی:

Avian H₉N₂ influenza virus, Dog, Hemagglutination inhibition, Iran, Seroprevalence

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