

عنوان مقاله:

Detection of Brucella genus in vaginal samples collected from the dogs of Kerman city by PCR

محل انتشار:

بیستمین کنگره بین المللی میکروب شناسی ایران (سال: 1398)

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خلاصه مقاله:

Introduction and Objectives: Brucellosis by Brucella spp. is a zoonosis disease of public health concern primarily transmitted by ruminants. Dogs has been implicated in the transmission of the infection but their involvement in the epidemiology of brucellosis has been poorly investigated. This is the first investigation to study the reproductive samples related to canine brucellosis in Iran. **Materials and Methods:** In this study, we determine the existence of the causative agent of Brucella in the vaginal samples of dogs attending to the veterinary hospital of Shahid Bahonar University of Kerman, and also the vaginal swabs collected from a number of breeding kennels. Samples were assessed for the presence of Brucella genus by the PCR method. **Result:** Brucella spp. was identified in 3 out of 70 collected samples from referred dogs and 32 Out of 64 specimens of breeding dogs. **Conclusion:** According to the results of this study, dogs should be considered as an important source of this zoonotic pathogen. Detection of Brucella in vaginal samples emphasizes the need for further investigation of brucellosis in small animals

کلمات کلیدی:

Brucellosis, Brucella genus, PCR, Vaginal samples, Dog

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