



Oral presentation

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## **Are dogs coming to our clinic infected with brucellosis?**

**Nevzat Saat, Sıddıka Sare Karakoyun, Melih Ayyıldız**

Balikesir University Veterinary Faculty Department of Obstetrics and Gynecology, Balikesir

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### **Abstract**

In this study, it was aimed to investigate the antibodies of *Brucellosis* in dogs that were individuals bringing to Balikesir University Veterinary Faculty Animal Hospital. Blood samples were taken from dogs (n=90) for evaluating the *Brucella melitensis*, *abortus*, and *suis* antibody positivity by using the rapid test kits (*Brucella* Ab test kit, Bionote, Inc. Korea). A drop of serum sample and four drops of test solution were dropped into the sample well of the test kits and, then after the 20 minutes, it was decided whether *Brucella* positive or not. According to the tests, all animals were determined as *Brucella* antibody negative. In conclusion, this study demonstrated that dogs do not have *Brucella* antibodies. We suggested that screening for *brucellosis* in dogs should be supported by other diagnostic methods [Enzyme-Linked ImmunoSorbent Assay (ELISA), Rose bengal, Serum Agglutination Test (SAT), Commbs Test], for detecting the *Brucella canis* antibodies.

**Keywords:** brucellosis, antibody, rapid test kit, dog

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**Corresponding Author:** Nevzat Saat

**E-mail:** nevzatsaat@gmail.com