

عنوان مقاله:

First report on Anaplasma platys infection in a dog in the Philippines

محل انتشار:

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خلاصه مقاله:

Anaplasma platys, previously known as Ehrlichia platys, which causes infectious canine cyclic thrombocytopenia, has not been extensively studied in Southeast Asia. Recent reports in the region have been limited to ticks and dogs in Thailand, and to ticks in the Philippines. In this report, DNA fragments of A. platys were molecularly detected in a dog in the Philippines. A pitbull puppy exhibited pancytopenia (WBC: $3.5 \times 10^3/\mu\text{L}$, PCV: 11.5%, RBC: $1.2 \times 10^6/\mu\text{L}$, HGB: 3.7 g/dL, platelet count: $24 \times 10^3/\mu\text{L}$), hepatitis, elevated alanine amino transferase (127 u/L), and splenomegaly. Inclusion bodies in the platelets were also seen in the blood smears of this case. A. platys sequences obtained in the present study revealed 100% homology with A. platys previously detected in a Rhipicephalus sanguineus tick in the country. This study documents the first reported case of A. platys infection in dogs in the Philippines, and adds knowledge to the current vector-borne disease epidemiology in Southeast Asia

کلمات کلیدی:

Anaplasma platys, dog, epidemiology

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