

## Prevalence Of Periodontal Disease In Felines In The Outskirts Of The City Of Manaus, Brazil: An Epidemiological Study

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**Abstract :** Periodontal disease is the most common disease in the oral cavity of felines. It starts with the accumulation of bacteria on the tooth surface supporting the tissues of the periodontal tissue, namely gums, alveolar bone, cementum, and periodontal ligament. The main clinical symptom observed by the owner is bad breath, which may lead to local and systemic consequences depending on the stage of periodontal disease, such as bleeding and bone loss. Therefore, the study is important to educate tutors to take better care of the felines oral health in order to try to prevent the disease. For this epidemiological study, the target population has been felines, located on the outskirts of Manaus, in the state of Amazonas, with a geographic area of 155.68 km<sup>2</sup>, with no defined breed, from October 1st to 10th, 2021, whose samples has been randomly selected, with a detailed profile. The variables of interest for this study have been: absence or presence of periodontal disease, gender, age (delimited by age group), and condition (domiciled or homeless). Using a sample of 40 felines from 4 districts of the east side of Manaus chosen at random, an oral exam has been made to identify the studied disease. The animal's apparent age, condition, sex, and presence or absence of periodontal disease has been noted. It has been observed that 70% (28/40) of them had periodontal disease, mostly females, aged between 0 and 5 years and domiciled, totaling 30% (12/40).

**Keywords :** felines, oral cavity, oral exam, periodontal disease

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