



# PRELIMINARY RESULTS OF VETZLIFE & PETZLIFE DENTAL CARE PRODUCTS: 3 MONTH TIME POINT

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## Abstract

**Introduction:** Dental health is a very important part of a pet’s overall health. Dental problems can cause and be caused by other health related issues. Dental health is often a neglected part of many pet’s well being. Although not intentional, there are a variety of reasons why a pet’s dental health is not addressed: anesthetic concerns, convenience, general oversight, and financial to name a few. Prevention of the most common oral disease in pets consists of tartar and dental plaque removal of teeth (a dental cleaning). Regular brushing of a pet’s teeth is highly effective but inconvenient and inconsistent amongst pet owners. Although there are many pet products on the market claiming to improve dental health, not all of them are effective or not effective at all.

**Objective:** To assess the rate and extent of tartar formation in animals that underwent scaling procedure under anesthesia, without anesthesia and no scaling procedures, with and without active ingredients at 3, 6 and 12 month intervals.

**Methods:** Three groups comprise this animal study. The experimental groups. The experimental groups received the product with the active ingredient. Control group 1 received the product without the active ingredient. Control group 2 had scaling or no scaling procedure and no product application. Two quantitative methods Two types of quantitative assessments will be conducted in this study: measurement of the formed tartar surface (morphometric analysis) and depth of tartar layer.

**Results:** To date, 23 patients have been evaluated. 10 patients (canine) have received dental scaling procedures and the experimental product with active ingredients and 13 patients (11 canine & 2 feline) have received no dental scaling procedures and the experimental product with active ingredients assessed at 3 months. Patients who received the scaling procedure and active ingredients have had a 2% ± 1 return of tartar at 3 months. Patients who did not receive the scaling procedure and active ingredients had a 15% ± 2 reduction of tartar, fresher breath and less inflamed gum tissue at 3 months.

**Conclusion:** Preliminary results with Vetzlif and Petzlif products have not only proved highly effective but also with highly safe ingredients. We expect results to continue to be effective and increasingly effective at the later time points.

## Objective

- Assess the rate and extent of tartar formation in animals scaling procedures and no scaling procedures, using product with active ingredients
- Assess the patients at 3, 6 and 12 month time points

## Introduction

- Dental health is an important part of a pet’s overall health
- Dental health is often neglected in general due to:
  - Anesthetic concerns
  - Genuine oversight
  - Inconvenience of dental care
  - Uncooperative pet
  - Owner non-compliance
  - Financial
- Poor quality pet dental products

## Methods

Specific Aim 1:

- Experimental Group: anesthetic scaling, received active ingredient product & tooth brushes
- Control Group 1: anesthetic scaling received inactive ingredient product & tooth brushes
- Control Group 2: anesthetic scaling with no product application

Specific Aim 2:

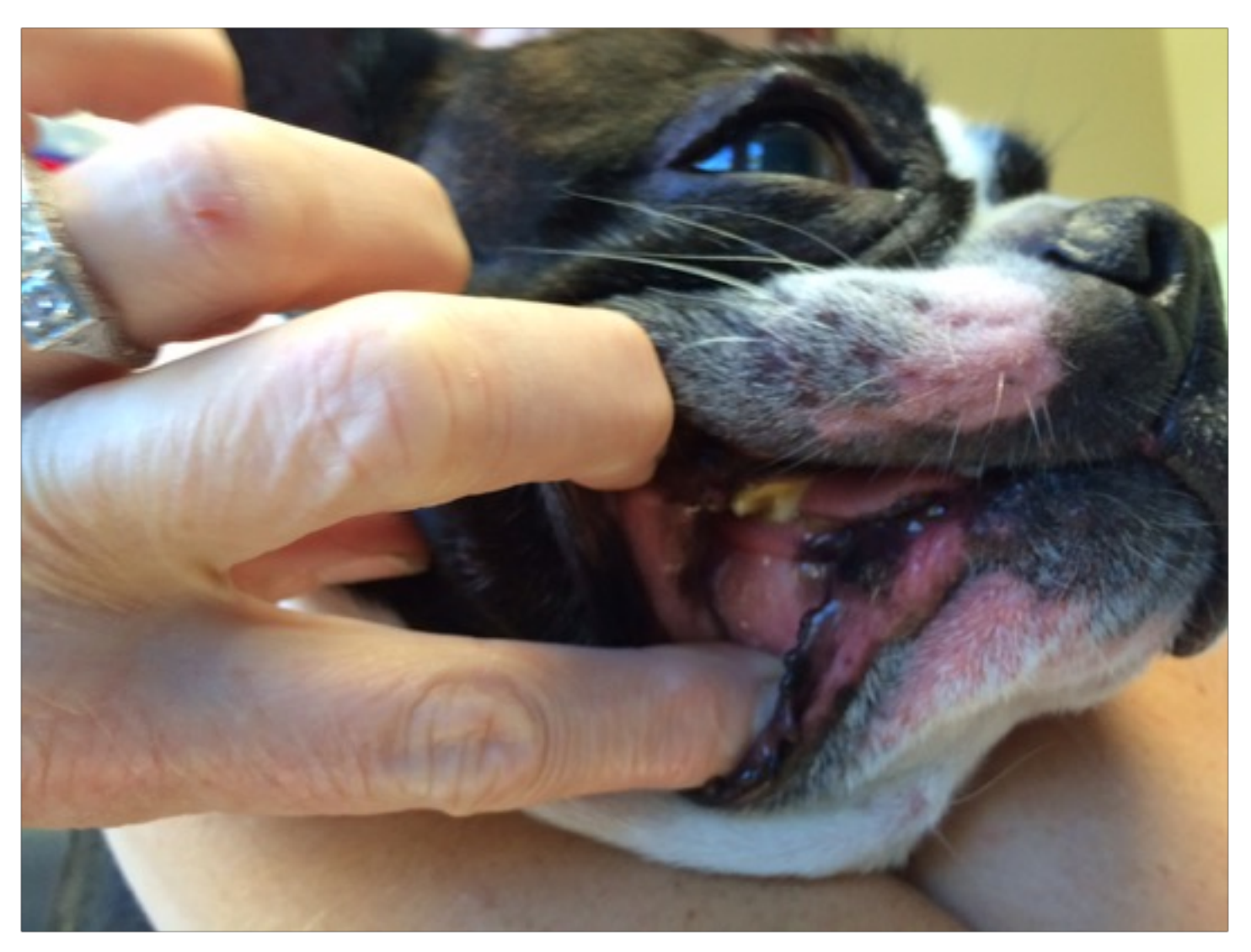
- Experimental Group: no scaling, received active ingredient product & tooth brushes
- Control Group 1: no scaling, received inactive ingredient product & tooth brushes
- Control Group 2: no scaling or product

Specific Aim 3:

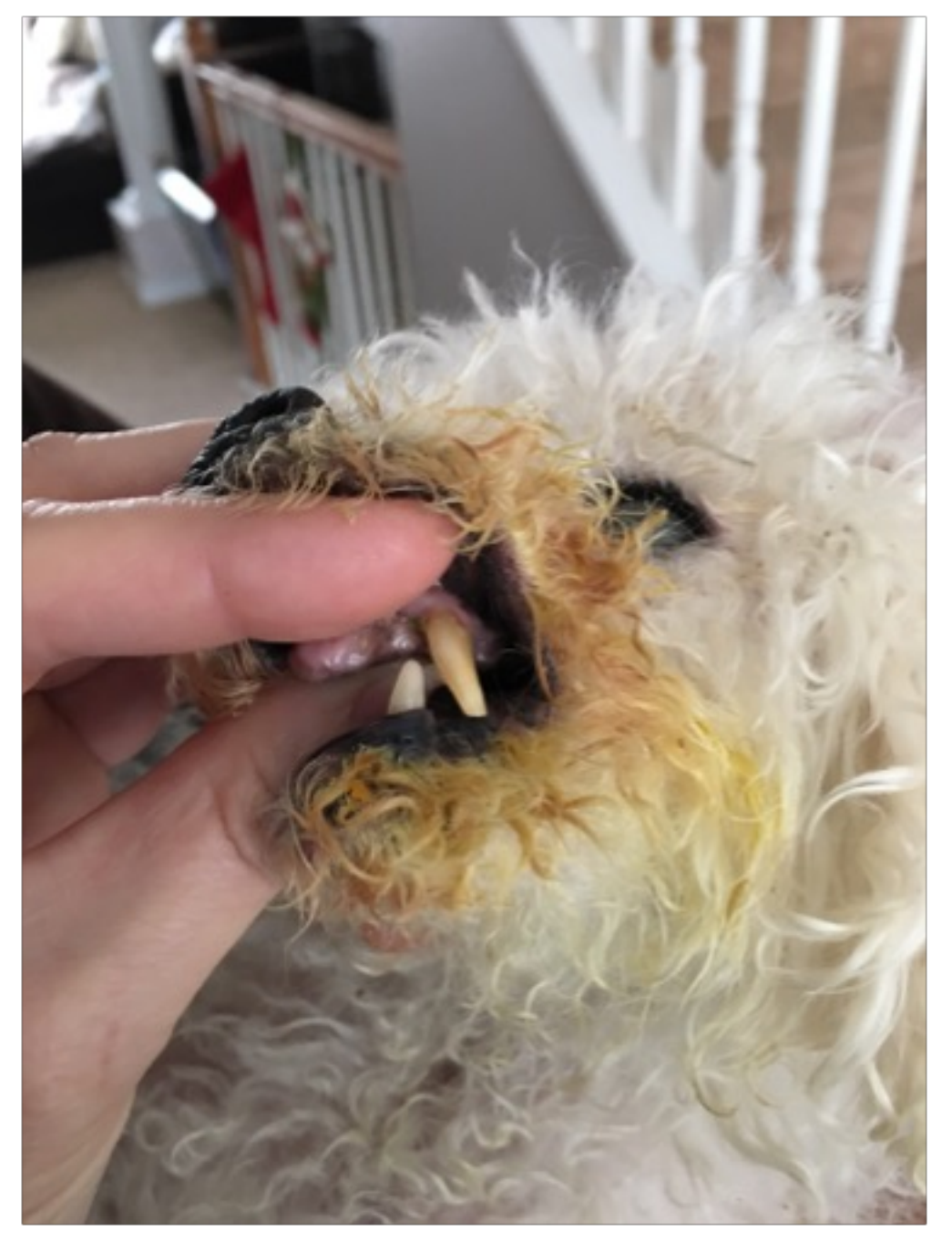
- Monitor feline patients with active stomatitis with active ingredient product application

## Results

- 23 Patients evaluated at 3 months
- 10 Patients (canine): anesthetic scaling w/active ingredient
  - 2% ± 1 return of tartar
- 13 Patients:(11 canine & 2 feline): no scaling w/active ingredient
  - 15% ± 2 reduction in tartar, fresher breath and reduction in inflamed gum tissue



B.) ‘Lizzie’ S. - no scaling, active ingredient initial



C.) ‘Butters’ W.. — no scaling, active ingredient initial 3 months post



D.) ‘Cubby’ K. - scaling, active ingredient initial



E.) ‘Cubby’ K. - scaling, active ingredient initial = 3 month post

## Conclusion

Preliminary data has demonstrated moderate reduction of tartar formation & plaque and delayed tartar formation. Owners have reported fresher breath & they notice a difference. They also stated the ease of product application & it is easy for them to comply. Owners also stated they ‘feel better’ with using a natural products. We hypothesize even greater reduction & delay of tartar formation.

A.) Vetzlif Study Products

