ProDen DentalCare®

Technical Reference

VETERINARY ORAL HEALTH COUNCIL VOHC Accepted HELPS CONTROL TARTAR HELPS CONTROL PLAQUE ®

Powered by: ProDen PlaqueOff®

PRODEN DENTALCARE® BITES
FOR DOGS

ProDen DentalCare® Dental Bites containing A.N ProDen™ efficiently decreased plaque and calculus accumulation in study dogs. Measured concentration of VSC and Oral Health Index in the study group showed significantly lower concentration of VSC and better health status of the dogs respectively. Based on the results of this study, the product ProDen DentalCare® Dental Bites for Dogs was awarded the VOHC Seal of Acceptance to help control tartar and plaque.

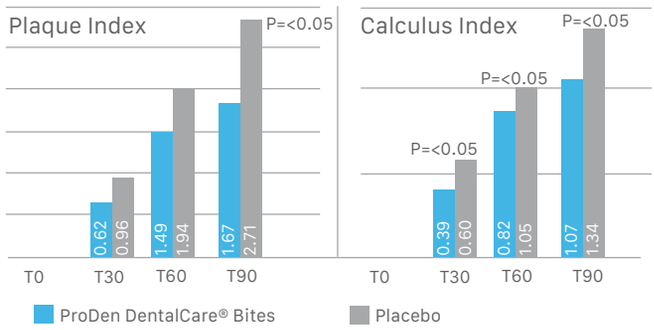
Objective
To determine the influence of 90-day administration of dental bites containing the brown algae A.N ProDen™ on plaque and dental calculus accumulation as well as on other parameters characterizing oral health status: Oral Health Index (OHI), Total Mouth Periodontal Score (TMPS) and Volatile Sulphur Compound (VSC) concentration in canine oral cavity.

Material and Methods
60 client owned dogs representing Japanese chins, miniature Schnauzers, Chihuahua, Pomeranians and West Highland White Terrier (WHWT) breeds underwent prophylaxis procedure and were randomly subdivided into 2 groups receiving daily dental bites containing brown algae A.N ProDen™ or placebo according to their bodyweight. Clinical assessment of Plaque index, Calculus index, OHI and VSC was performed under sedation after 30, 60 and 90 days of treatment. The study was conducted as a placebo controlled, double blind, randomized study.

Results
Oral administration of dental bites containing the brown algae A.N ProDen™ significantly improved the investigated indices and parameters, i.e. Plaque index, Calculus index and VSC; when compared to placebo-treated group.

Figure 1.

Average combined plaque and calculus index (given as an arithmetic mean with 95% confidence interval) of dogs from two groups at four consecutive time points (T0, T30, T60, T90).



- Helps Reduce Bad Breath
- Helps Reduce Tartar
- Helps Reduce Plaque

Table 1. Average Plaque index (arithmetic mean ± standard deviation and a range in parentheses) of dogs from two groups (P1 placebo and P2 ProDen DentalCare® Bites) at four consecutive time points (T0, T30, T60, T90)

	n	T0	T30	T60	T90
P1 (Placebo)	30	0	0.96 +/- 0.42 (0.4 - 2.0)	1.94 +/- 1.14 (0.9 - 4.8)	2.71 +/- 1.36 (1.1 - 6.4)
P2 (ProDen)	30	0	0.62 +/- 0.31 (0.2 - 1.7)	1.49 +/- 1.17 (0.6 - 6.4)	1.67 +/- 0.81 (0.9 - 4.7)

Table 2. Average Calculus index (arithmetic mean ± standard deviation and a range in parentheses) of dogs from two groups (P1 placebo and P2 ProDen DentalCare® Bites) at four consecutive time points (T0, T30, T60, T90)

	n	T0	T30	T60	T90
P1 (Placebo)	30	0	0.60 +/- 0.15 (0.3 - 1.0)	1.05 +/- 0.24 (0.7 - 1.6)	1.34 +/- 0.23 (1.0 - 1.9)
P2 (ProDen)	30	0	0.39 +/- 0.14 (0.2 - 0.9)	0.82 +/- 0.29 (0.4 - 2.1)	1.07 +/- 0.39 (0.7 - 2.6)

Gawar Jerzy, Klinika Arka Krakow, Poland - **Michal Jank**, Division of Pharmacology and Toxicology; Faculty of Veterinary Medicine, Warsaw University of Life Science, Poland - **Katarzyna Jodkowska**, Faculty of Veterinary Medicine, Warsaw University of Life Science, Poland - **Emilia Klim**, Klinika Pulawska Warszawa, Poland - **Ulla K Svensson**, UKS Life Science Consulting AB, Lund, Sweden