

Plaque and Gingivitis Prevention with SANOS®, a veterinary dental sealant

A 3 month study in client-owned dogs

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Study Objective

To determine the efficacy of SANOS® gingival dental sealant to prevent the formation of plaque at and under the gingival margin of client-owned dogs.

Study Design

Dogs underwent dental examinations and professional dental prophylaxis by the study investigator. As the last step in the dental cleaning procedure, SANOS® was applied accordingly, as per instructions, along and under the gingival margin of half of the upper and lower dental arcade. The remaining one-half of the upper and lower quadrants of the dog's dentition were left untreated, thereby allowing each dog to serve as its own control. Three months following the application, each dog underwent a complete dental re-examination by the study investigator. The following Veterinary Oral Health Council (VOHC) recommended teeth were scored: Upper Jaw I3, C, P3, P4, MI and Lower Jaw C, P3, P4, MI. The plaque index was graded on a scale of 0-3 with 0 = no plaque in the gingival area, and 3 = abundant soft matter in the pocket or at the free gingival margin. The gingival index was graded on a scale of 0-3, where 0 = normal gingiva and 3 = severe inflammation marked by redness and edema. The changes in "mouth mean score" (mean of all tested teeth on one side for all animals) comparing SANOS® with the control side were calculated.

Statistical Analysis

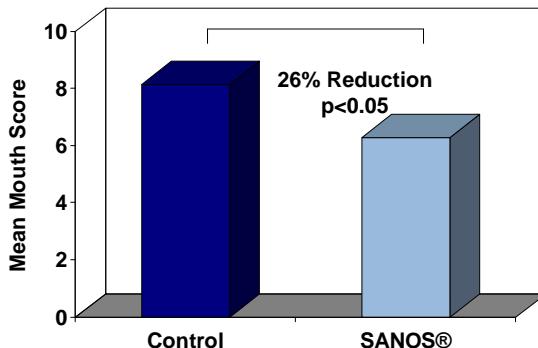
Statistical analysis was performed with the two-tailed paired t-test. Findings were statistically significant with $p<0.05$.



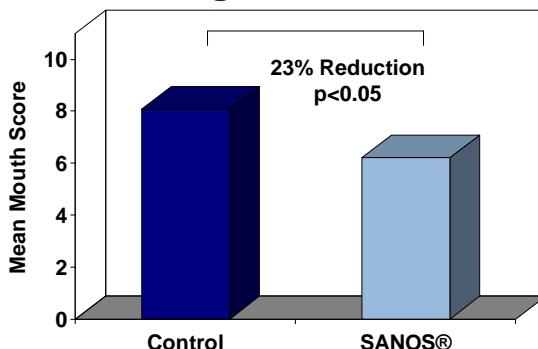
Results

- 26% lower mean dental plaque scores on the tooth surfaces at the gingiva/gingival sulcus treated with SANOS® compared to control side during this 3 month study.
- 23% lower mean dental gingivitis scores on the tooth surfaces at the gingiva/gingival sulcus treated with SANOS® compared to control side during this 3 month study.

Plaque Reduction



Gingivitis Reduction



Conclusion

SANOS® represents a statistically proven, plaque and gingivitis prevention system in client-owned dogs. SANOS® provides a well-tolerated and convenient method for controlling subgingival plaque accumulation, the underlying cause of gingivitis and periodontal disease.