



PRODEN PLAQUEOFF® DENTAL

Summary of clinical study of the effect of daily intake of A.N ProDen® on calculus, plaque, and gingivitis

Conclusion

Regular intake of ProDen PlaqueOff® Dental containing the seaweed A.N ProDen®) substantially reduces dental calculus, plaque formation, and gingival bleeding, confirming its effectiveness as a supplement to enhance oral hygiene practices. The reductions in calculus, plaque, and bleeding were all statistically significant, supporting the beneficial impacts of the supplement.

Objective

To evaluate the effectiveness of A.N ProDen® (ProDen PlaqueOff®) in reducing dental calculus, plaque formation, and improving gingival health over a period of 6 months.

Material and Methods

Participants: 61 adults initially enrolled, with 55 completing the study. Participants were randomly assigned to receive either two capsules daily containing 500 mg of dried A.N ProDen® or a placebo, over two 6-month periods separated by a 1-month washout.

Assessments: Dental evaluations were conducted at the start and end of each treatment period, measuring changes in supragingival calculus, plaque accumulation, and gingival bleeding.

Recommendations

Including ProDen PlaqueOff® Dental containing A.N ProDen® in daily oral care routines can significantly benefit dental health, particularly in reducing calculus and plaque buildup.

Results

Calculus Reduction: 95% of participants (52 out of 55) in the A.N ProDen® group showed a reduction in dental calculus formation, with statistically significant differences compared to the placebo group.

Plaque Reduction: There was a significant decrease in plaque formation, quantified as a 7.2% reduction compared to the placebo group, demonstrating statistical significance.

Gingival Bleeding: Participants experienced a 27.2% reduction in gingival bleeding, which was statistically significant, indicating improved gum health.

Gingivitis: There was no statistically significant reduction in overall gingivitis scores between the groups.

Table 1. Descriptive values and statistical analysis of differences between the intake groups at 6 months, N=55

	Intake group	Mean	SD	P value
Calculus index (mm) (Volpe-Manhold)	Alga (A.N ProDen®)	0.50	0.45	<0.0001
	Control	0.95	0.54	
		Medium	Range	
Gingival index (Löe and Silness)	Alga (A.N ProDen®)	0	0-2	0.13
	Control	1	0-2	
Gingival bleeding (Ainamo and Bay)	Alga (A.N ProDen®)	0	0-1	0.024
	Control	1	0-1	
Plaque index (Ouigley-Hein)	Alga (A.N ProDen®)	1	0-4	0.008
	Control	2	0-4	