

L i t e r a t u r e 1

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Title: A Study on the Effect of the Solar Energy Toothbrush on the Control
of Dental Plaque

Abstract: The purpose of this study was to examine the effect of toothbrush with semiconductor(solar energy toothbrushes)on the control of dental plaque. Subjects were 12 adults(9 men and 3 women) with comparatively healthy oral conditions. Toothbrushes with semiconductor (A brush), the same style toothbrushes without semiconductor (B brush) and standard toothbrushes (C brush) were used in this experiment. The plaque score after brushing one time with the A brush and the increase in the plaque score under the conditions of no brushing for 24 hours and 48 hours after complete brushing were lower than those with B and C brushes. In the case of brushing twice a day with the A brush for 1 week and 1 month, the plaque score were significantly lower than those with the B and C brushes.

Thus, It is suggested that the solar energy toothbrush is effective in the control of dental plaque.

(F i g. 1)

(This literature isd written in Japanese.)