

L i t e r a t u r e 2

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Title: Clinical Study on the Control of Dental Plaque Using a Photo Energy
Conversion a Toothbrush Equipped with a TiO_2 Semiconductor

Abstract: Adult female subjects used a toothbrush equipped with a cylindrical TiO_2 semiconductor for 3 weeks. The subjects were divided into two groups, one which used the semiconductor toothbrush and the other which used a conventional toothbrush. The PMA-I of the experimental group during the experimental period show a tendency to decrease, with a significant difference being observed compared to the control group after third week. It is suggested that improvements in gingivitis and oral cleanliness can be expected through application of the present toothbrush which is equipped with a TiO_2 semiconductor.

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