Literature 2

Journal: SHIGAKU, 77(2), 598-606, 1989

Authors: M. Niwa and M. Fukuda

Affiliations: The Nippon Dental University, School of Dentistry at Tokyo, Department of Preventive and Community Dentistry

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.

(Fig. 2)