A Comparative Study on the Effectiveness of Commercially Available Denture Cleaners versus Lemon and Calamansi as Complete Denture Cleaning Agents

Glory V. Pohan, Febe M.K Wangania and Uriel L. Zarsaga
Adventist University of the Philippines

Abstract

The study analyzed the effectiveness of commercially available denture cleaners versus Lemon and Calamansi as complete denture cleaning agent. Specifically, to test the plaque index score of each denture before and after using commercially available denture cleaners and citrus cleaners at different time intervals. Convenience sampling method was used in choosing subjects who are complete denture wearers for not more than two years. The number of the complete denture for this study was 30 pairs. The total number of samples was 60 dentures; each denture has 27 set of teeth excluding the 3rd molar. There were 5 solutions used for this study; namely, Water, Calamansi, Lemon, Efferdent and Polident. The 30 dentures were divided into five solutions, so each solution of denture cleaner got six pairs of dentures for the experiment. Each set of complete denture was recorded twice for 'before' and 'after' using stopwatch and it's based on the time that has been settled which are 5, 15 and 30 minutes. Results showed that there is no significant difference in between commercially available denture cleaners and citrus materials for reducing the amount of plaque in complete denture. Citrus materials are just as effective as commercially available denture cleaning agents.

Keywords: *dentures, plaque, citrus, cleaning agents*