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Antimicrobial efficacy of an anti-plaque agent against periodontal pathogens

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The oral cavity has always provided pre-requisites for an extensive number of microbiota to thrive and create an organized community nurturing the growth of a variety of other organisms. This diverse flora either remains residential to the tissues or get pathogenic owing to the imbalance in the homeostatic conditions prevailing within the host. Periodontal disease is a chronic inflammatory lesion in which the causative components are attributed to the environment, host, along with vast prevalence of periodontopathogens. Fifteen extracted teeth specimens were inoculated with three periodontal pathogens to create a biofilm. The specimens were then divided into 3 groups. Group 1: 5 specimens were treated with anti-plaque test agent. Group 2: 5 specimens treated with CHX (0.2%) and Group 3: 5 specimens treated with saline. The results of the present study showed comparable antimicrobial effect between test agent and Chx (0.2%) compared to control group. Hence, within limitations of this study, it could be concluded that this anti-plaque agent could be recommended for use in patients with chronic periodontitis.

Biography

Jothi V completed her Bachelors in Dental Surgery and earned her Master's in specialty of Periodontology from Manipal College of Dental Sciences, a constituent of Manipal University, Karnataka, India. Following which she has acquired a certificate in Laser dentistry. Her clinical interests are focused on esthetic periodontal surgical procedures. Her research interests are directed towards periodontal microbiology. She has over 30 published articles in various national and international reputed journals. She is also a reviewer and Member of Editorial Board of scientific journals.

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