



Comparing oral hygiene motivation by using fluorescent intraoral camera

Background: Practicing oral hygiene is among one of the routine actions that helps prevent common oral diseases; The use of plaque disclosing material to demonstrate to the patient their plaque has been practiced for over a long period of time and found a certain level of success; and so does the newly-introduced fluorescent intraoral cameras which are getting more attention nowadays.

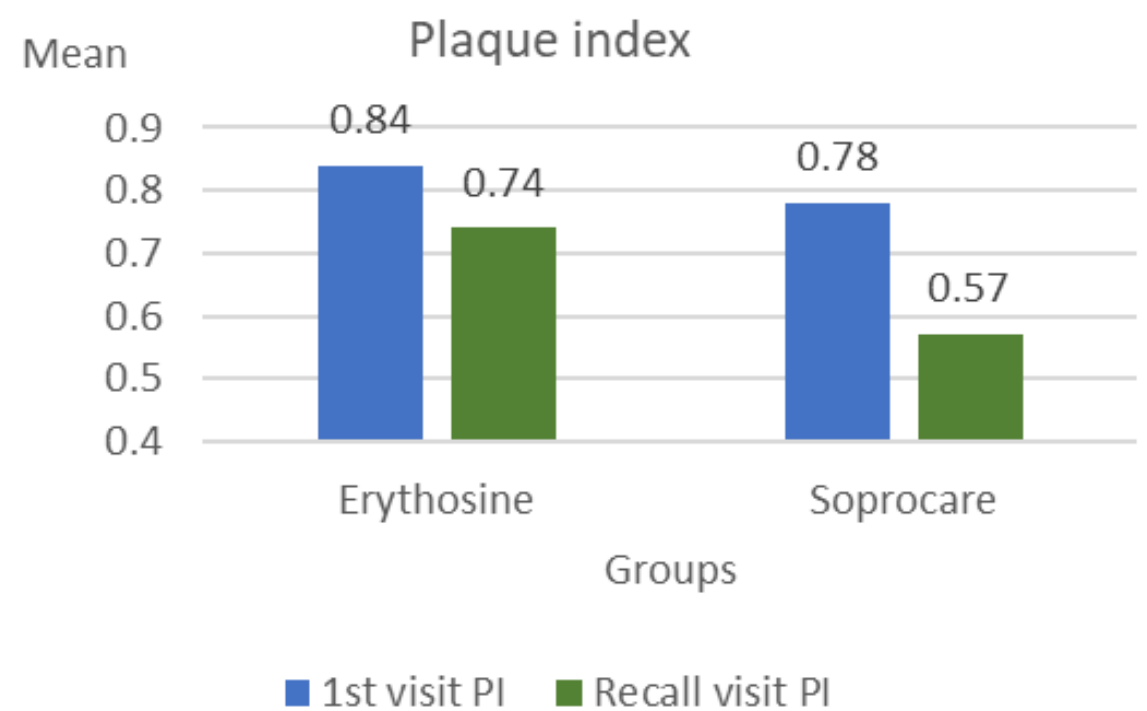
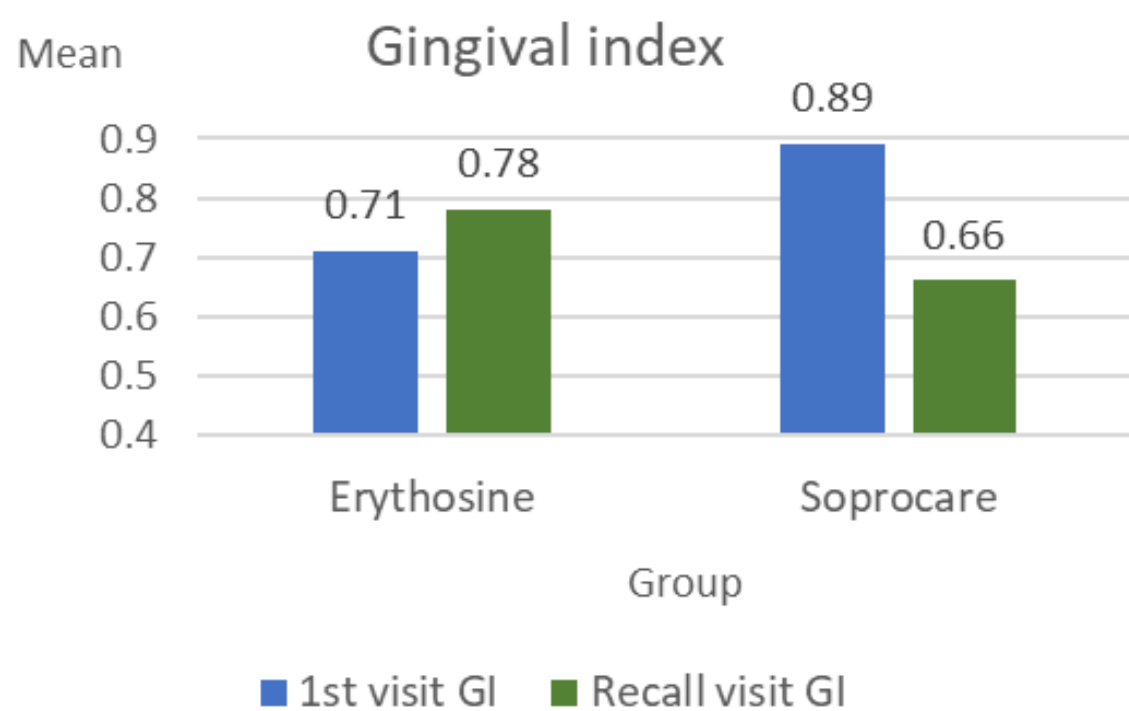
Keywords: SoproCare, intraoral camera, motivation, dental plaque

Aim: This research aims to compare the effectiveness of oral hygiene motivation between the conventional erythrosine disclosing agent and SoproCare intraoral camera.



Materials and Method

52 subjects were recruited for this study and 4 subjects were dropped out so a total 48 subjects remained in this study. The subjects were given a questionnaire before getting divided into two groups. They received gingival index assessment and plaque staining to record their baseline plaque index. One group was shown plaques staining with erythrosine disclosing agent and another one was shown images taken with SoproCare intraoral camera. All subjects then received a scaling on the six representative teeth in the first visit. The subjects then were recalled 2 weeks after for a reevaluation of their gingival and plaque indices. They were also be shown plaques with respective methods as before. Subjects were given a questionnaire which included a post-test to evaluate their self-perceived oral health and habit in the recall visit.



Results and Conclusion

- Results:** The two groups showed no significant difference in regard of oral hygiene motivation. The group with intraoral camera, however, saw a significant decrease in gingival index and plaque index. On the other hand, the erythrosine disclosing agent group also saw a decrease in both indices, but was not of any statistical significance. On the topic of self-perceived motivation, both groups felt a positive motivation after receiving an incentive for proper oral hygiene care and instruction, regardless of the method.
- Conclusion:** Both oral health motivation techniques that were used in this study were tested to have the ability to provide such motivation. However, the intraoral camera demonstrated the patients a clearer and easier comprehension of their own oral health status over the conventional erythrosine disclosing agent method.



Erythrosine disclosing agent

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