

Natural Rubber for production of Mouth prop

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Mouth prop (MP) is a dental product used for maintain dental patient mouth opening. All imported MPs may not be appropriated for the Thai because it may be slipped out of the bite and may not be matched for the Thai teeth. The slippage Value (SV) represented the effectiveness of the MP in maintaining the mouth opening. It can be collected by measuring the differences between the MP's mouth opening before and after 20 chewing strokes. The researcher group designed MPs, which made of Thai natural rubber for this study. The purpose of this research was to study the effectiveness of 5 MPs. Tha A and B were imported brands. The C, D, and E were newly designed and were different only at the surface hardness. The SVs were collected from 50 volunteers aged between 19-32 years old. The one-way ANOVA at the 95% confident level was used for the analysis of the SVs. The result showed that all MPs have the SVs more than 0. The SVs of all MPs comparison showed no significant difference except A and D, A and E. It was concluded that the new designed MPs were as effective as and better than those imported when considering the SV.

Supported by Dental Research Fund, Dental research project 3205-312 # 17 / 2002
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