

[Purchase](#)[Export](#) 

Journal of the National Medical Association

Volume 109, Issue 3, Autumn 2017, Pages 192-197

Original Article

The Effect of Mlpaste Plus and Reminpro on Incipient Caries Using DIAGNOdent and SEM: An Invitro Study

Bassir Leila D.D.S., M.S. ^{a,*,}  ... Mashallah Khanehmasjedi D.D.S., M.S. ^d

 [Show more](#)

<https://doi.org/10.1016/j.jnma.2017.02.009>

[Get rights and content](#)

Abstract

Background

The remineralization of early caries lesion has an effective role on decreasing caries. For initial remineralization of caries lesion, using Compounds of Casein phosphopeptides (CPP) in different studies has been proposed. REMINPRO including Fluoride, Xylitol and Calcium phosphate has just been offered in the market. This study aims to investigate the efficacy of Reminpro and MI paste plus in terms of remineralization of early enamel lesions.

Materials and methods

In 15 samples of healthy enamels of the maxillary first premolar teeth and 15 samples of Primary Mandibular First Molar under the effect of demineralized gel, artificial caries has been created. The samples have been divided in 3 groups of 20. After performing the cycles of demineralization and remineralization during 5 weeks, the samples were investigated by DIAGNOdent and two samples from each group were compared with SEM. To investigate the remineralization of enamel, two-way ANOVA and to compare the groups in pair, the post hoc tests were used.

Results

The mean of mineralization of teeth in the group using reminpro was 25.2 ± 6.16 and in the group using MI paste plus was 23 ± 5.60 , which was significantly high.

Conclusions

MI paste plus in mineralization of initial enamel caries were more efficient that reminpro pate.

[Previous article](#)[Next article](#)

Keywords

Remineralization; Initial caries; Reminpro; MI paste plus

Choose an option to locate/access this article:

Check if you have access through your login credentials or your institution.

[Check Access](#)

or

Purchase

or

> [Check for this article elsewhere](#)

[Recommended articles](#)

[Citing articles \(0\)](#)

© 2017 by the National Medical Association. Published by Elsevier Inc. All rights reserved.

ELSEVIER

[About ScienceDirect](#) [Remote access](#) [Shopping cart](#) [Contact and support](#) [Terms and conditions](#) [Privacy policy](#)

Cookies are used by this site. For more information, visit the [cookies page](#).

Copyright © 2018 Elsevier B.V. or its licensors or contributors. ScienceDirect ® is a registered trademark of Elsevier B.V.

 **RELX** Group™