

*Clinical Assessment Of Remineralization From Fluoride Varnish
Treatments Technology Original*



Clinical Assessment Of Remineralization From

Selection of the patients and the teeth. A total of 20 patients aged 25–35 years old and having orthodontic treatment for 6–8 months were selected. The patients had fixed orthodontic appliances and white spot lesions on labial surfaces of maxillary anterior incisors surrounding the brackets.

Clinical assessment of demineralization and ...

Clinical assessment of demineralization and remineralization surrounding orthodontic brackets with FluoreCam Article (PDF Available) in Asian Pacific Journal of Tropical Biomedicine 7(4 ...

(PDF) Clinical assessment of demineralization and ...

The process of remineralization remains crucial to preventing caries and arresting incipient lesions. As prevention specialists, dental hygienists are well-positioned to make clinical recommendations regarding diet, oral self-care, and product selection. Clinicians should use a caries management by risk assessment (CAMBRA) approach to determine best practices for treatment and at-home ...

The Process of Remineralization - Dimensions of Dental Hygiene

Discuss clinical strategies and tools for assessing and managing caries risk, and assisting remineralization of tooth structure. The development of dental caries is a dynamic, multifactorial process.

Saliva, Remineralization And Dental Caries - Decisions in ...

remineralization and to control the development of the carious process. Purpose: To evaluate the effectiveness of fluoropolymers varnishes used for prophylaxis and non-invasive treatment of initial caries d1, d2 in children 4 to 6 years.

Clinical Study Remineralization Effect of Mineralization ...

A Clinician's Guide to CAMBRA: A Simple Approach. ... The first clinical trials using fluoridated dentifrice were done in 1950, and by 1980 almost all dentifrices contained fluoride. ... and avoiding sweets. Risk assessment and chemical remineralization has not been part of this more traditional discipline of prevention. With today's ...

Clinical Assessment: A Clinician's Guide to CAMBRA - A ...

Remineralization: Current State of Science and Future Directions Meeting Summary. In addition, as the population ages, and the potential for secondary caries and root caries increases, higher levels of fluoride may be required to prevent caries. Dental professionals use a variety of compounds and products, including fluoride and sealants, guided by evidence-based clinical practice guidelines.

Remineralization: Current State of Science and Future ...

Introduction. The aims of this study were to test the hypothesis that Polarization Sensitive-Optical Coherence Tomography (PS-OCT) can be used to nondestructively measure and quantify the severity of the early demineralization of enamel on buccal and occlusal surfaces and assess the inhibitory effect of fluoride varnish in vivo.

Clinical assessment of early tooth demineralization using ...

INTRODUCTION. In this study, optical reflectivity changes during remineralization were measured on artificial lesions that were expected to have a porous surface zone. A previous study by our group determined that the remineralization of artificial lesions created by pH cycling did not repair the lesion surface zone,...

Remineralization of Enamel Caries Can Decrease Optical ...

Research. These studies will further validate PS-OCT as a clinical tool for the accurate and early clinical assessment of tooth demineralization and remineralization. This is expected to lead to the clinical implementation of PS-OCT for the assessment and monitoring of the activity and severity of early carious lesions without the use...

Research | Preventive and Restorative Dental Sciences

a For children who are at moderate through extreme risk for caries, there are recommendations for their caregivers as well. This is to prevent transmission of bacteria from caregiver to child. For the caregiver, it is recommended to use over-the-counter fluoride rinse daily, xylitol gum (2 sticks = 6–10 g xylitol), and possibly chlorhexidine if the child is under the age of 6 (Jenson et al ...

Caries Risk Assessment, Remineralizing, and Desensitizing ...

Dental Remineralization: Simplified. However, as the bacteria in the biofilm continue to produce acid with sugar consumption, plaque pH falls to 4.5-5.5. This shifts the driving force within the tooth to mineral dissolution.¹ As the pH is lowered, the saturation point of the minerals in the surrounding fluid is changed.

Dental Remineralization: Simplified - Oral Health Group

The objective of this clinical study is to evaluate the efficacy of multiple applications of MI Varnish in combination with MI Paste Plus in caries protection and remineralization in comparison to the use of a control (Crest 1,100ppm Fluoride tooth paste, Fluoride rinse recommendation) in orthodontic patients in a randomized, single blind, prospective, controlled clinical trial over 12 months.

MI Varnish and MI Paste Plus in a Caries Prevention and ...

Some examples of caries risk assessment models are the caries risk tool of the American Academy of Pediatric Dentistry, which is used for classifying caries risk in infants, children, and adolescents based on clinical findings and protective and biological factors.³ Another model is the American Dental Association caries risk assessment form ...

The Role of the Dental Hygienist in Caries Risk Assessment

The non-invasive treatment of early caries lesions by remineralization has the potential to be a major advance in the clinical management of the disease. However, for net remineralization to occur adequate levels of calcium and phosphate ions must be available and this process is normally calcium phosphate limited.

Calcium phosphate-based remineralization systems ...

Remineralization of carious lesions does work but there are a number of factors that impact upon the outcome. The major factor is patient compliance or the ability of our patients to maintain regular home care, watch their diet and sugar intake etc. Treating caries with remineralization therapies means engaging patients in their oral health care.

Remineralization of Carious Lesions - It Really Does Work ...

understanding of the process of remineralization in vivo. Clinical assessment of remineralized lesions, such as surface texture and appearance, are limited to the lesion surface. In contrast, direct measurement of changes in the optical reflectivity within different layers of a remineralized lesion may

Biomaterials & Bioengineering R.S. Jones and D. Fried ...

Numerous in situ and in vivo studies have confirmed this.^{22-25, 44-47} The many clinical trials with fluoride toothpastes have shown dramatic reductions in overall decay levels as measured by cavity formation. One can conclude from those clinical trials that remineralization was most likely a major contributor to the success of the products.

Dental caries: a dynamic disease process - Featherstone ...

The primary outcome measures used in the eight studies, included clinical assessment using the International Caries Detection and Assessment System (ICDAS) criteria or DS/DMFS index, clinical or photographic assessment using Enamel Decalcification Index (EDI), bitewing radiography for approximal caries increment, and reading of fluorescence ...

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