

23rd Global Dentists and Pediatric Dentistry Annual Meeting

July 17-18, 2017 Munich, Germany

Antifungal effect of low molecular weight chitosan against *Candida albicans*: An *in vivo* study

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This study investigated the antifungal effect of low molecular weight chitosan solution and compared it with nystatin suspension. This randomized single-blind clinical trial study was performed on 40 subjects diagnosed with denture stomatitis. The subjects were divided into two groups, one of which was treated with chitosan and one with nystatin for two weeks. Changes in the erythematous area were recorded during and after treatment. A palatal smear was obtained for each patient before and after treatment to determine the number of blastospores and mycelia of *Candida albicans*. The results were compared using the Mann-Whitney test and t-test. The results showed that chitosan solution significantly decreased the erythematous surface area, burning sensation, time required for clinical improvement, and number of blastospores and mycelia. The antifungal efficacy and biocompatibility of chitosan makes it a promising candidate for use as an antifungal mouthwash.

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All you need to know about tooth wear

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Tooth surface loss (TSL) is a generalized term used to describe the loss of dental hard tissues from surfaces of teeth caused by factors other than dental caries, trauma or a result of developmental disorder. There are two kinds of TSL, physiological tooth surface loss: which is defined as, normal tooth surface wear process microscopically irreversible and cumulative with age, and pathological tooth surface loss which is associated with functional or aesthetic concerns, disproportionate for the patients age, symptoms or discomfort are present, severe rate TSL. The objectives of this lecture are: Definition of tooth wear; How to do proper examination; subdivisions of tooth wear and its causes; assessment, treatment planning; strategies for prevention and passive management of tooth wear; and treatment methods which will be discussed during the presentation.

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