

Mother and young child dental treatment based on cariology

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Caries is an infectious disease. Cavities are its result. This facilitates thinking about primary and secondary prevention methods. This paper provides evidentiary basis for caries prevention in young children. It will review the association of mutans streptococci as the prime initiator of carious lesions. These bacteria are transmitted in a matrilineal fashion between generations. The identification of the caries predictive factors in mothers and their child has not only a preventive purpose but also to indicate the best treatment. Caries are a multifactorial disease, but dental plaque is the only cause. More generally, conditions that compromise the long-term maintenance of an adequate oral hygiene are at an increased caries risk. There are different multifactorial methods which have been implemented to help the practitioners in the diagnosis, prognosis and treatment decision of caries disease (Cariogram, Cambra). The main components in caries risk prediction can be summarized by: Streptococcus mutans count, salivary Lactobacillus count, salivary buffering capacity, visible plaque levels, and sugar intake. Interventional trials that include strategies that use antiseptic treatments and dietary manipulations that suppress their colonization levels in mothers have resulted in significant delay in colonization and lesion occurrence in their children. While fluorides are known to inhibit lesion formation, they appear to have little effect on disease transmission, having their effect mainly on the mineralization/remineralization of the tooth's interface with the plaque biofilm. This presentation will attempt to integrate these concepts into useful strategies for both primary and secondary prevention of decay, using antibacterial strategies for the prevention of caries.

Biography

Sonia Groisman has completed her Ph.D. in Community dentistry, at the age of 30 years from Federal University of Rio de Janeiro - Brazil, was post-graduated in cariology in Lund-Sweden. She is the coordinator of Community Dentistry post-graduation and master at School of dentistry in Federal University of Rio de Janeiro, focus in Clinical trials and treatment. Coordinated the continued education in prevention from the national Brazilian association of dentistry and dental babies clinical at federal university of Rio de Janeiro. Vice President of European organization of caries research congress in 2013, in Brazil. I have published more than 25 papers in reputed journals.

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