
Abstract

Homeopathy and levels of Ca⁺⁺ salivary in the prevention of dental caries

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Comparative studies between systemic inducing bone neof ormation medications showed favorable results for homeopathic medicines. (Almeida et al., 2000; Werkman et al., 2006, FARINA, 2010). The Calcarea, are described in the literature for their action in the mineralization processes and increase of the levels of Ca ++ tissue ((LATHOUD, 1998; ARGENTA, 2005; VIJNOVSKY, 1999; VOISIN, 1971). NARDY-MELO, 2013, found that Calcarea carbonica 6CH, Calcarea phosphorica 6CH and Calcarea fluorica 6CH, when given as a compound, are statistically significant for increasing tissue Ca ++ levels. **Objective** This randomized controlled multicentric study, approved by the UniFOA's Human beings Research Ethics Committee CAAE:39002914.0.0000.5237, has aspiration to quantify the level of Ca ++ salivary in front of the administration of homeopathic medicines Calcarea Carbonica, Calcarea Phosphorica, Calcarea Fluorica, as supporting in the prevention of dental caries, Demineralization and Dental I, from the stimulus to increase of Ca ++ salivary. **Method** (n=48) Children in the age range of 04 to 16 years, with high rate of dental caries, submitted to dental treatment, without the preventive application of fluoride topical and specific food guidelines were divided randomly, in 2 groups according to the medication experienced: GI – *Calcarea Carbonica* 6CH; *Calcarea phosphorica* 6 CH; *Calcarea fluorica* 6CH, in the dose of 3 daily drops for 15 days a month for three months. GII – Upward scales of *Calcarea Carbonica* 6CH; *Calcarea phosphorica* 6CH; *Calcarea fluorica* 6CH, in the dose of 3 daily drops, in the first month. *Calcarea Carbonica* 9CH; *Calcarea phosphorica* 9CH; *Calcarea fluorica* 9CH, in the dose of 3 daily drops, in the second month. *Calcarea Carbonica* 12CH; *Calcarea phosphorica* 12CH; *Calcarea fluorica* 12CH, in the dose of 3 daily drops, in the third month. The salivary Ca ++ levels was measured before the administration of the first dose and monthly, for 03 consecutive months. The calcium (mg/dl) salivary indices were determined by optical emission spectrometry (ICP-OES). **Results** The results were submitted to statistical analysis with Student T-Test (significance with P < 0.05) and analysis of variance Shapiro-Wilk normality test. **Conclusion:** The averages of calcium increase under the action of homeopathic medicinal products: *Calcarea Carbonica*, *Calcarea Phosphorica* and *Calcarea Fluorica*, in this study, do not differ in G I and G II and in both groups the increase in salivary calcium level was statistically significant to 0.5%.

Keywords: homeopathy, salivary calcium, prevention

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