



Erosive effect of carbonated soft drinks on dental enamel

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Abstract : *Laboratory research was conducted to estimate the erosive potential of eight different commercial soft drinks – Fanta, Sprite, 7up, Limca, Mirinda, Mountain Dew, Coca Cola and Pepsi on dental enamel. Research analysis was also done to find out the relationship between the pH of the test soft drinks and their aggression towards enamel. These tests were carried out for one month at room temperature. It was found that non-cola drinks were two times more erosive than cola drinks. There was no co-relation between the pH of the test beverages*

and their enamel erosive capacity. Many factors are concerned with the erosive capacity of the soft drinks including type of acids, their calcium chelating properties, exposure time and temperature.

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