



PROVIDING NOVEL SOLUTION TO GET RELIEF FROM SEVERE PAIN OF DENTAL CARIES THROUGH CARBONATED WATER

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ABSTRACT:

Carbon dioxide gas when dissolve in water it forms carbonic acid (carbonated water). The solution form contains an equal amount of carbonic acid, water and carbon dioxide. The mouth contains a wide variety of oral bacteria believed to cause dental caries; bacteria most responsible for dental cavities are the *Streptococcus mutans*, *Streptococcus sobrinus*, and *lactobacilli (anaerobes)*. When pH goes below 4 due to formation of lactic acid by bacteria these bacteria are get activated and start to destroy the gums and teeth which results to formation of cavities. It has been observed that these bacteria's survive at neutral pH, Carbonic acid has a pH near 6.8 to 7.5 and it inhibits the activation of bacteria causing demineralization of teeth, as well as CO₂ posses the property to kill anaerobic bacteria. Thus the preparation containing these both constituents gives better result to treat dental caries. The survey we have done by using carbonated water to treat pain in dental caries among the 100 people 90% are got relief from severe pain in dental caries.

KEYWORDS: dental caries, carbonated water, carbonic acid.

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