

25th Global Dentists and Pediatric Dentistry Annual Meeting

April 25-26, 2019 | Rome, Italy

Does your child's favourite food cause dental decay?

Sundeep Kuloor Hegde
Yenepoya University, India

Sugars particularly sucrose are considered to be the principal dietary cause of dental caries. It is found in most human diets either in natural or manufactured foods and drinks. Various studies have suggested that differences in diet and particularly different types of sugar intake may be an important determinant of the variations in caries. The pH changes after consumption of sugar and is one of the most important factors to be considered in caries formation. Honey, dates syrup and jaggery syrup are some of the favourite sweet food adjuncts consumed by children, especially in India. These sweet syrups may have an effect on plaque pH. The main objective of this *in-vivo* study was to evaluate and compare the acidogenic potential of honey, dates syrup and jaggery syrup by measuring their ability to lower the pH after exposure to these test samples. This poster highlights the variations in plaque pH and carcinogenicity after exposure to sweet food adjuncts like honey, dates syrup and jaggery syrup at different time intervals.

Recent Publications

1. Stefan Bogdanov, Tomislav Jurendic, Robert Sieber and Peter Gallmann (2008) Honey for nutrition and health: a review. *Journal of the American College of Nutrition* 27(6):677-689.
2. Linke H A B and Riba H K (2001) Oral clearance and acid production of dairy products during interaction with sweet foods. *Annals of Nutrition and Metabolism* 45:202-208.
3. J F Tahmassebi and M S Duggal (1996) Comparison of the plaque pH response to an acidogenic challenge in children and adults. *Caries Research* 30:342-346.
4. Gauba K, Goyal A and Tewari A (1991) A plaque pH modulation of childrens favourite snacks. *Journal of Indian Society of Pedodontics and Preventive Dentistry* 8(1):24-27.

Biography

Sundeep Kuloor Hegde is a Senior Professor in Yenepoya Dental College, Yenepoya University Mangalore with more than two decades of experience. He has a keen interest in educating the school children regarding the role of diet and oral hygiene practices in the formation of dental caries. He is also actively involved in social awareness campaigns regarding tobacco abuse and trauma among children. He has also worked for the betterment of special children. His passion for prevention of dental diseases in children has motivated him to work in various community health programmes. He is interested to work in the area of school dental health programmes, trauma and preventive dentistry.

sundeepkhegde@yahoo.co.in