Tooth Cleaning Without A Brush? What Next?

Dental plaque and vital activity of microorganisms in it are the major cause of tooth decay and periodontal disease. Therefore, dental hygiene plays the leading role in the treatment and prevention of dental diseases. Nowadays the main way to maintain dental hygiene is by mechanically removing dental plaque thus preventing biofilm occurrence. However, professional oral hygiene at the dentist’s office is not performed often enough, so it is much more important that the patient maintains the purity of the oral cavity themselves and practice regular and effective oral hygiene procedures.

It is therefore necessary to take into account that the inhabitants of the modern cities spend most of the day away from home, often have snacks and cannot brush their teeth after every meal. Due to this, there is an increasing need for various hygiene products that allow removing food residue and soft plaque without using a toothbrush. This group of products currently consists of chewing gums, picks and flosses which can be time consuming, not easy to use and not always effective dependant on technique and a lot of people fail to use them regularly, if ever. It is not always possible to practice good oral hygiene after each meal in a convenient place.

To make it easier, SPLAT has developed ORAL CARE FOAM 2 in 1 which is recommended to be used after each meal. It contains lactoferrin, lactoperoxydaze, glucose oxidase, sodium lauryl sarcosinate and herbal complex of Japanese liquorice extract, Aloe Vera gel, pomegranate and sea-buckthorn extracts. In the UK, it is available with mint flavour for adults and with berry flavour for kids. The kid’s version contains additional calcium lactate for enamel strengthening and the adults contains fluoride.

According to the completed clinical studies, one can conclude the following:

1. Cleansing foam Oral Care Foam 2 in 1 by Splat effectively removes food remnants and soft deposits from teeth surface

A. Soft deposit identified

B. Result after applying hygienic Oral Care Foam 2 in 1. Soft deposit is removed not only from smooth surfaces of the teeth, but also in the area of retention elements (overhang on tooth 1.2 and point deepening in enamellum on tooth 1.1).
2. After a single administration, Oral Care Foam-2 in 1 removes soft dental plaque from retention points of dental prostheses almost completely, although it does little to remove hard dental plaque.

3. Regular use of SPLAT Oral Care Foam-2 in 1 by SPLAT after each meal allows for significant improvement of oral hygiene in patients with dental prostheses as it removes soft dental plaque and prevents hard plaque formation.

4. Regular use of Oral Care Foam 2 in 1 after meals helps to improve oral hygiene.

5. The use of hygienic Oral Care Foam 2 in 1 allows improving the effectiveness of gingivitis treatment.

6. The use of hygienic Oral Care Foam 2 in 1 after eating normalizes oral fluid pH and prevents caries.

   Oral fluid pH decreases within 15 minutes after eating (up to 6.2 ± 0.2), and then gradually reverts to its original value within 60 minutes. Rinsing the mouth with water allows raising pH of oral fluid by 0.1-0.3 units (since rinsing with water does not allow qualitatively removing soft deposit and food debris). After using hygienic Oral Care Foam 2 in 1 pH rises to 7.3 ± 0.2.

7. Oral Care Foam 2 in 1 has no toxic effect on the oral mucosa in case of continuous application and can be recommended for continuous application.

8. Cleansing Oral Care Foam 2 in 1 is well perceived by patients, it has a pleasant taste, gives a feeling of freshness, hydrates the oral cavity, and is easy to use.

9. Oral Care Foam 2 in 1 may be recommended for patients with drug-induced xerostomia

10. Oral Care Foam 2 in 1 helps accelerate gum healing after non-removable denture placement and thus reduces the adaptation period.

Summary

Splat Oral Care Foam 2 in 1 is a new convenient and simple way of cleaning your teeth and normalising the PH balance of the oral cavity -when out and about during the day, especially after meals. It is ideal for everyone, but especially for those at risk from dental caries as an adjunct to their regular oral hygiene home care routine, including toothbrushing and interdental cleaning.

Potency assignment to SPLAT ORAL CARE FOAM 2 in 1 in patients with dental prostheses was performed at the Therapeutic Dentistry and Orthopaedics Department of the I.M. Sechenov First Moscow State Medical University and the Therapeutic Dentistry Department of the Ural State Medical University.