

# Universal hygienic and prophylactic agent for oral care «Professor Persin. Stop sugar»

**A golden rule says that teeth are easier to preserve than to have them attended to, especially in patients with diabetes. What primary source can be recommend out of a wide selection of hygienic oral care products available on the market?**



## SPECIAL AGENT

**D**iabetes mellitus (type 2 DM) is one of the most common carbohydrate metabolism disorders. This form of disease is not associated with absolute insulin deficiency, but it still requires specific behaviour in order to maintain the quality of life. Let's talk about healthy teeth and adjacent tissues in patients with diabetes mellitus. The knowledge of specific structural changes in the oral cavity typical to this disease helps not only to prevent problems at early stages but even to avoid them. The choice of correctly adapted therapeutic approaches is of utmost importance as well.

## SPECIAL CONTROL

Mineral metabolism disorders during diabetes mellitus cause serious problems in the oral cavity ranging from remineralisation disorders up to caries. A reduced

volume of saliva disrupts the balance of microorganisms in the oral cavity thus causing an activation of pathogenic flora. Overall, a drop of immunity and impaired blood supply to soft tissues may be associated with gingivitis. If a patient lacks proper oral care, the inflammation extends to adjacent tissues and causes periodontitis.

According to various authors, such an unfavourable situation can be recorded in 50–85% patients with diabetes mellitus. All these processes are even much more dangerous because the treatment of patients with diabetes mellitus is much more complicated: their wounds heal up more slowly and are more painful. Moreover, poor mouth condition, especially periodontitis pathogens, deteriorates the quality of life of patients with diabetes mellitus. Therefore, endocrinologists recommend that such patients pay special attention to their oral care.

## RESPONSE BY SCIENTISTS

Due to the relevance of the issue, in 2015 the Orthodontology Chair of Moscow State Medical Dentistry University named after A.I. Evdokimov invented a hygienic preventive agent adapted specifically for orthodontic patients with type 2 diabetes. «Professor Persin. Stop sugar» is a foam which does not flow down from teeth, but wraps them around due to its disperse characteristics, and reaches even most hard-to-access spots in the mouth. The ingredients of the foam (magnolia bark extract, bady wrack extract, allantoin) have a wide range of effect. The foam demonstrated antibacterial, antifungal, anti-inflammatory effect, anti-oxidant action, and bacteriostatic effect against pathogens.

The peculiarity of this product is the presence of stevia extract among its components which is capable of impacting the glucose absorption by a human body. It normalises the functioning of the ferment systems which in turn cause metabolism normalisation including carbohydrate metabolism, reducing the content of glucose in saliva.

## RESEARCH-BASED EVIDENCE

Scientists from the Orthodontology Chair of Moscow State Medical Dentistry University named after A.I. Evdokimov of the RF Ministry of Health conducted series of researches to study the impact of this foam over the body in general: using blood glycaemic index and sugar concentration in saliva. The study enrolled 24 persons divided into two groups: 12 practically healthy volunteers and 12 patients with type 2 diabetes mellitus. In the first group the effect of a single application was studied, whereas in the second group the product was applied sev-

eral times. The subjects had their saliva glucose measured 15 and 30 minutes after the first food intake, and glycaemic index was measured 2 hours after a meal (with or without the use of foam). It is worth mentioning that the second group (patients with type 2 diabetes) was sub-divided into two groups (1:1 randomisation): the first sub-group applied «Professor Persin. Stop sugar» after meals, and the other sub-group just rinsed their mouth with pure water. The research took into account the application and quality of the base therapy, diabetes mellitus duration, age, and glycosylated haemoglobin. In order to measure glucose in mixed saliva, HPLC with tandem mass-spectrometry detection was used. Glycaemic index was measured using individual glucometers. This study monitored basic condition; the results obtained after the product application were compared to the initial results, and the primary method of statistical data processing with arithmetic average was used. Despite the fact that «Professor Persin. Stop sugar» foam is a prophylactic and not a therapeutic drug, medical professionals were impressed with the results. In all groups the foam causes significant reduction in glucose concentration in mixed saliva at the early stage of digestion, posing favourable effect over the parodontium tissues and oral mucosa, it being of particular importance for patients with type 2 diabetes. Despite the fact that the research did not demonstrate that the foam reduces blood glucose, it was noted that the use of this product in group 2 prevented a rise in glycaemic index of blood, and it is of significance for patients with diabetes.

## EXPERT EVALUATION

Scientists from the Orthodontology Chair of Moscow State Medical Dentistry University named after A.I. Evdokimov of the RF Ministry of Health, study authors L.S. Persin, Prof., MD, associate member of RAS, Chairman of the Orthodontology Chair, E.A. Karton, A.P., PhD of Medical Science, and postgraduate student M.S. Bardova conducted an expert evaluation of the efficiency of the new product for patients with diabetes. The opinion reads as follows: the «Professor Persin. Stop sugar» foam reduces the risk of inflammatory and dystrophic processes in the oral cavity of patients with type 2 diabetes, both during orthodontic therapy or without it. The foam promotes periodontal tissue repair after dental care.

The «Professor Persin. Stop sugar» foam is a universal hygienic and prophylactic agent for oral care. It may be used by all patients with type 2 diabetes irrespective of the need in orthodontic care.»

## FOUR ARGUMENTS FOR «PROFESSOR PERSIN. STOP SUGAR»

1. Promotes sugar concentration reduction in saliva.
2. Significantly improves oral hygiene.
3. Reduces the risk of caries and oral inflammations: gingivitis, parodontitis, stomatitis.
4. Promotes oral inflammation elimination. Associated Professor, Ph.D. Elena Karton Postgraduate student Maria Bardova

**НОВИНКА**  
от Доктор Персин

**Профилактическая пенка для полости рта**

СО ВКУСОМ МЯТЫ  
И ДВОЙНОЙ МЯТЫ

**САХАР STOP!**

Реклама

Тел.: 8 (495) 769-53-03  
[www.doctorpersin.ru](http://www.doctorpersin.ru)