CLINICAL STUDY OF THE EFFECTIVENESS OF APPLICATION OF DESENSITIZERS IN DENTAL HYPERSENSITIVITY

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Summary: In this article, we will examine the effectiveness of Gluma desensitizer and Tokuyama Shield Force Plus in treating tooth sensitivity.

Purpose of the study: The use of desensitizers in the treatment of tooth sensitivity.

Materials and research methods: Patients with hypersensitivity of teeth will be examined and drugs used in the treatment of hypersensitivity of teeth will be used: "Gluma desensitizer" and "Tokuyama Shield Force Plus". 30 patients, 15 men were examined.

Results of the study: The study shows a change in the structure of dentin after the application of desensitizers. The result was also rated as stable 1 month and 3 months after applying Shield Force Plus. Gluma desensitizer is also effective for tooth hypersensitivity and is effective for at least 12 months.

Key words: dental hypersensitivity, desensitizers, treatment, patients, prevention.

Relevance of research: Every year the problem of prevention and treatment of hypersensitivity of dental hard tissues becomes more and more urgent due to the increase in the influence of local and general factors [4,6,8,10,12,14,20,23].

Dental hypersensitivity is a clinical condition that manifests itself as a short-term painful reaction of exposed dentine in response to thermal, tactile or chemical stimuli that cannot be explained by any other known pathology. According to some researchers, the incidence of tooth hypersensitivity in periodontitis is much higher - 85-95% [2,7,9,10,13,15,17,20,21]. According to various authors, dental hyperesthesia occurs after bleaching in 14-78% of cases. It is more common in patients between the ages of 20 and 55 [1,7,8,10,11,14,16,18,20,22]. Dental hypersensitivity usually occurs more often and at a younger age in women than in men. Some authors believe that these differences are associated with better oral hygiene and more acidic foods in women. Canines and premolars are most often affected on both the upper and lower dentition. The most susceptible to hypersensitivity is the cervical region of the vestibular surface of the teeth. [3,7,10,12,15,17,20,23]

The aim of this study is to investigate the efficacy of desensitizers in the treatment of dental hyperesthesia.

Materials and methods of research will be examined patients with hypersensitivity of teeth and drugs used in the treatment of hypersensitivity of teeth will be used: "Gluma desensitizer" and "Tokuyama Shield Force Plus".

Thirty patients were examined (15 of them were women aged 25-45 years), 15 were men.

Results and discussion. When assessing hyperesthesia by tactile and cold tests immediately after the procedure, the patient noted the complete elimination of hypersensitivity in the area of disturbed teeth. The result was also rated as stable 1 month and 3 months after applying Shield Force Plus. Gluma desensitizer is also effective for tooth hypersensitivity and is effective for at least 12 months. In all clinical cases, an improvement in the quality of life after treatment was established, factors such as the possibility of eating cold and irritating food, painlessness during brushing, accessibility and simplicity of the procedure were taken into account.

Conclusions:

1. The conducted research shows that under the influence of desensitizers with an occlusive mechanism of action, the structure of damaged dentin is restored with varying degrees of intensity.
2. The use of Gluma and Tokuyama desensitizers is the method of choice in each specific clinical situation to reduce dentin hypersensitivity at the time of treatment.
3. The effectiveness of these drugs should be studied in dynamics to clarify the indications for their use.

Literature

1. АмировК.А.Измененисвойствэмалипостоянныхзубовприпримененииифторсодержащихзубныхпаст//Стоматология.–М.,1994.–Т.73,№4.–С.51-54.
2. Камилов, Х. П., & Тайлакова, Д. И. (2019). Вторичная профилактика осложнений системной гипоплазии зубов у детей.*Медицинские новости*, (11 (302)).
3. Тайлакова, Д. И. (2017). Определение эффективности метода анкетирования при выявлении характера влияния неблагоприятных экологических факторов на зубочелюстную систему детей. Международный журнал гуманитарных и естественных наук, (1).
4. Тайлакова, Д. И., & Саидова, М. А. (2016). Эффективность опросно-анкетного метода состояния зубочелюстной системы детей, проживающих в различных условиях экологической среды. Российская стоматология, 9(1), 54-54.
5. Тайлакова, Д. И. (2015). Анкетное изучение состояния зубочелюстной системы детей, проживающих в различных условиях экологической среды. Международный журнал прикладных и фундаментальных исследований, (12-9), 1625-1627.
6. Камилов, Х. П., Тайлакова, Д. И., & Никольская, И. А. (2019). ЭМБРИОНАЛЬНЫЙ И ПОСТНАТАЛЬНЫЙ ГИСТОГЕНЕЗ ЗУБОВ У КРЫС В УСЛОВИЯХ ЗАГРЯЗНЕНИЯ ОКРУЖАЮЩЕЙ СРЕДЫ. MEDITSINSKII ZHURNAL, 230.
7. Ширинова ҲҲ, Х. Н. (2020). Тана вазнининг ортиши пародонт тўқимаси касалликлари ривожланишига таъсир қилувчи омил сифатида. Тиббиётда янги кун, (2), 463-465.

8. Ширинова, Х. Х. (2017). Сравнительный анализ клинической эффективности различных методов лечения больных генерализованных пародонтит средней тяжести. Новый день в медицине» Научно-реферативный, культурно-просветительский журнал, (1), 17.
9. Ширинова Ҳ.Ҳ. (2019). Умумий пародонтит инновацион давосини патогенетик асослаш. Тиббиётда янги кун, (2), 334-336.
10. Ширинова Ҳ.Ҳ. (2020). Пародонт тўқимасида ортиқча тана вазн таъсирида юзага келадиган ўзгаришлар ва уларнинг асоратларини олдини олиш йўлларини ўрганиш алгоритми. № DGU. 08260.
11. KHABIBOVA, N. N., RUZIEVA, S. S., SHIRINOVA, K. K., & QURBONOVA, N. I. (2021). INFLUENCE OF NATURAL AND ARTIFICIAL FEEDING ON THE FORMATION OF DISORDERS OF TEETHING AND FORMATION OF OCCLUSION IN EARLY CHILDREN. Journal of Natural Remedies, 22(1 (1)), 87-91.
12. Khabibova, N. N. (2018). Changes in biochemical and immunological indicators mixed saliva of patients with chronic recurrent aphthous stomatitis. European journal of pharmaceutical and medical research.–2018.–(5), 11, 143-145.
13. Tailakova, D. I., & Khabibova, N. N. (2020). Determination of the immunological status of the oral cavity of the child population with congenital lip and palate in the studied areas. European Journal of Molecular & Clinical Medicine, 7(3), 3023-3026.
14. Khabibova, N. N. (2019). Characteristic Features of Biochemical Indicators of Mixed Saliva in Patients with Chronic Recurrent Aphthous Stomatitis. Journal of Advances in Medicine and Medical Research, 1-7.
15. Khabibova, N. N. (2019). Clinical characteristics of patients with recurrent aphthous stomatitis. Annals of international medical and dental research, 5(5), 64-66.
16. Khabibova, N. N. (2021). Examination of patients with different forms RFL MMOC Sobirov Sh. S.
17. Nasullaevna, H. N. (2018). Characteristic features of free-radical processes and antioxidant protection in the oral cavity during chronic recurrent aphthous stomatitis. European science review, (9-10-2).
18. Qurbonova, N., Khabibova, N., & Ikhtiyarova, G. A. (2020). Hygienic condition of the oral cavity and the level of hygienic knowledge of silk motor workers. European Journal of Molecular & Clinical Medicine, 7(3), 3027-3033.
19. Khabibova, N. N., & Khadjimetov, A. A. (2019). Some occurrence aspects of chronic recurrent aphthous stomatitis of the oral cavity.Global Journal of Medical, Physical and Health Education, 7(3), 284-286.
20. Shirinova, H. H., & Khabibova, N. N. (2021). COMPARATIVE ANALYSIS OF THE CLINICAL EFFICACY OF VARIOUS METHODS OF COMPLEX TREATMENT OF CHRONIC GENERALIZED PERIODONTITIS IN OVERWEIGHT PATIENTS.Journal For Innovative Development in Pharmaceutical and Technical Science (JIDPTS), 4(3).
21. Sobirov Sh. S. (2021). The specifics of the course of lichen planus in the oral mucosa. Journal For Innovative Development in Pharmaceutical and Technical Science (JIDPTS), 4(3).
22. Kurbonova, N. I. (2020). Dental prevention of morbidity in silk-welding workers. ACADEMICIA: An International Multidisciplinary Research Journal, 10(5), 1667-1669.

23. Курбонова, Н. И., & Хабибова, Н. Н. (2020). Новые возможности местной антибактериальной терапии и профилактика воспалительных заболеваний пародонта на фоне патологии органов пищеварения. Биология и интегративная медицина, (3 (43)).