



Results of Complex Treatment with Eludril Antiseptic Solution

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Received 23th Apr 2022,
Accepted 25th May 2022,
Online 18th Jun 2022

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Abstract: Human health is based on the ability to dynamically maintain homeostatic equilibrium of the body, regardless of the impact of environmental factors. Homeostasis depends on optimal functionality of all physiological systems of the body including metabolism. The optimal level of metabolism is not possible without the normal food intake provided by the full dentition, as the loss of even one tooth reduces the chewing efficiency from 1 to 6 %.

Keywords : eludril solution, comprehensive treatment, dental defects .

Introduction. Dental defects provoke the development of gastrointestinal diseases, malocclusion and occlusal disorders, which ultimately lead to inflammatory-dystrophic diseases of the temporomandibular joint [1, 2, 3]. As a result of tooth loss, bone atrophy develops in the area of extraction, which undoubtedly complicates further therapy [4]. According to the World Health Organization (WHO) in 2011, total adentia affects 15% of the population, and partial adentia up to 75% [5, 6]. The causes of adentia are complications of dental caries in 65 %, periodontal disease in 35 %, at that, incidence of dental caries in different countries and among different patients ranges from 80 % to 98 %, and inflammatory periodontal disease is revealed in 90-95 % of patients [7]. In Russia, this disease accounts for 40% to 75% in the general structure of medical care in dental institutions and occurs in all age groups of patients [8]. The percentage ratio can insignificantly vary from region to region, e.g. in Samara, in the age group of 20-29 years old, adentia has been diagnosed in 74.7 % of examined patients, in the age group of 50-59 years old - in 98.4 %, over 60 years old - in 99.4 % [9]. A similar situation is observed with the average number of missing teeth, which characterises the intensity of adentia. The number of extracted teeth increases from 3.6 ± 0.46 at the age of 30-39 years to 12.3 ± 0.84 in the group of people older than 60 years. An unfavourable picture is defined in the research of P.G. Varlamov, A.B. Alimsky: in the rural population of Yakutia it has been established that in the age group 20-29 years old on the average 5.2 extracted teeth are found in dentition and already in 30-39 years old there are 3 times more (15.1) and in the age group 60 years old and older - 19.5. Consequently, if we consider the percentage of extracted teeth in this region, the percentage of teeth to be extracted is 5.5% and the percentage of extracted teeth is 69.9% [10].

Purpose of the study: To show the results of complex treatment with the antiseptic solution Eludril pro for the prevention of reimplantitis.

Material and methods of research: Examination and treatment of patients were carried out on the clinical base of the department of maxillofacial surgery of Samarkand State Medical Institute in the specialized department of maxillofacial surgery of Samarkand City Medical Association. In accordance with the intended purpose of the study, we conducted a comprehensive examination of patients with inflammatory diseases of the TMJ in the dynamics of treatment with the drug, approved for use in the practice of health care - antiseptic solution Eludril - pro. In 18 patients in the period 2021 after the implantation of the lower and upper jaw.

Microbiological examination was carried out after the jaw implant surgery and in the dynamics of the disease. Clinical examination was carried out according to the standard scheme and included the interview of patients, collection of medical and life history, physical examination methods (examination, palpation, percussion) and instrumental, additional methods of investigation (laboratory, microbiological, radiological examination), as well as consultation with specialists.

Results of the study: Study of features of the clinical course in patients with purulent-inflammatory diseases of the maxillofacial area showed that the ongoing therapy with Eludril pro provides the fastest recovery due to anti-inflammatory, anti-exudative, immunostimulating, regenerating, analgesic, anti-hemorrhagic, venotonic action. Conclusion: Thus, the use of the antiseptic solution Eludril pro in the complex treatment of patients after upper and lower jaw implant surgery improved the condition of patients and prevented the development of pyo-inflammatory complications. Microbiological examination confirms that the application of the preparation in complex treatment reduces the number of microorganisms after implantation surgery and in dynamics of the disease, also helps in faster healing of the implant after surgery.

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