

**EUROPEAN INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY  
RESEARCH AND MANAGEMENT STUDIES****VOLUME04 ISSUE01**DOI: <https://doi.org/10.55640/eijmrms-04-01-34>

Pages: 185-189

**STUDY OF THE STRUCTURE OF SOMATIC PATHOLOGY IN YOUNG PATIENTS WITH  
APHTHOUS STOMATITIS*****Rustamov Arslan****Samarkand State Medical University, Uzbekistan***ABOUT ARTICLE**

**Key words:** The body, sensitization, represented by hypersensitivity to proteinaceous, staphylococcal, streptococcal.

**Received:** 20.01.2024**Accepted:** 25.01.2024**Published:** 30.01.2024

**Abstract:** Aphthous stomatitis is an urgent problem of modern dentistry and an inflammatory disease of the oral mucosa with a long course. It has been established that recurrent aphthous stomatitis occurs against the background of exacerbation of chronic somatic pathology, which worsens the clinical course and reduces the effectiveness of treatment in these patients. Aphthous stomatitis (AS) is a chronic inflammatory disease of the oral mucosa characterized by the first appearance of aphth in childhood or adolescence, with periodic remissions and frequent exacerbations. According to domestic and foreign authors, aphthous stomatitis affects about 20% of the world's population [1, 2]. Despite numerous studies, the etiology and pathogenesis of the disease have not been fully studied. Provoking factors include immunological and hormonal disorders, genetic predisposition, altered reactivity of the body, sensitization, represented by hypersensitivity to proteinaceous, staphylococcal, streptococcal and E. coli, food allergies, deficiency of vitamins and trace elements, gastrointestinal disorders (celiac disease, Crohn's disease, ulcerative colitis), mechanical damage to the oral mucosa mechanical damage and stress [3-19]. In addition, aphthous stomatitis may be one of the initial manifestations of Behcet's disease [20-25], and it has been established that AS relapses can occur against the background of exacerbation of chronic diseases, worsening the clinical course and reducing the effectiveness of treatment in such

patients [26-28]. Therefore, a thorough examination of the patient and consultation with a therapist make it possible to optimize and individualize the approach to the treatment of aphthous stomatitis. The purpose of this study was to study the structure of somatic pathology in patients with aphthous stomatitis.

---

## INTRODUCTION

For the study, a single-center clinical examination and treatment of 37 patients aged 4 to 14 years (20 boys and 17 girls) who visited the dental clinical polyclinic of Bashkir State Medical University was conducted. Criteria for inclusion in the study: - clinical manifestations of aphthous stomatitis and the diagnosis of "aphthous stomatitis" (K12.0) according to ICD-10 - informed parental consent to participate in the study - pediatricians, ENT, gastroenterologists, immunologists, allergists Should receive the conclusions of a pediatrician, ENT, gastroenterologist, immunologist, allergist, rheumatologist and neurologist. The criteria for excluding patients are the absence of clinical signs of aphthous stomatitis and the possibility of diagnosing "aphthous stomatitis" (K12.0) - oncological disease - non-compliance with the protocol and the patient's refusal to participate in the study. All children with aphthous stomatitis underwent a comprehensive dental examination, which began with clarifying complaints, anamnesis of the current disease: the timing of the first manifestation of the disease, its onset and causes (according to the patient (or parents)) involved in the disease (stress, medication, illness, dental intervention, trauma, etc.). Attention was paid at the stage of clinical manifestations of aphthous stomatitis (phases of exacerbation and remission), the duration of the disease, provoking factors, the treatment methods used and their effectiveness. A genetic predisposition was revealed, taking into account the available medical indications. Then, the presence or absence of concomitant systemic lesions was studied, as well as the presence or absence of patient consultations. The diagnosis of concomitant systemic lesions was recorded based on the conclusions of the district pediatrician, ENT, gastroenterologist, immunologist, allergist and rheumatologist. All dispensary patients were under dynamic supervision and treated by an appropriate specialist. Attention was paid to the presence of allergic reactions and taking medications.

## RESULTS AND DISCUSSION

The results of the study showed that all patients with aphthous stomatitis had concomitant diseases (Fig.). According to the constitution, the most common diseases of the gastrointestinal tract were 27

(72.97%): - chronic gastritis 17 (62.96%), peptic ulcer of the stomach and duodenum 1 (3.7%), impaired motility of the biliary tract 5 (18.51%), chronic cholecystitis 3 (11.11%), Crohn's disease 1 (3.7%). The prevalence of allergic reactions was 32.43% (12 patients). Among the comorbid conditions, seven (18.91%) patients had diseases of the ENT organs (chronic tonsillitis), 17 (45.94%) had changes in the immune system and signs of secondary immunodeficiency (Epstein-Barr virus, herpes simplex virus types 1 and 2, cytomegalovirus) and one (2.7%) had the disease Behcet. The number of patients with aphthous stomatitis was 17 (45.94%). Conclusions Somatic pathology in all children (100%) with aphthous stomatitis is burdened with comorbid conditions. The structure of somatic pathology in these patients is dominated by diseases of the gastrointestinal tract (72.97% of cases).

## CONCLUSION

Thus, as a rule, patients with aphthous stomatitis have a number of health problems that must be taken into account when developing a comprehensive treatment plan for patients with this disease.

## REFERENCE

1. Абдуллаева П. Р., Ахмедов А. А. СПОСОБ ЛЕЧЕНИЯ ИШЕМИЧЕСКИХ СОСТОЯНИЙ ЗРИТЕЛЬНОГО НЕРВА И СЕТЧАТКИ (ЛИТЕРАТУРНЫЙ ОБЗОР): Medical science //Ethiopian International Journal of Multidisciplinary Research. – 2023. – Т. 10. – №. 09. – С. 18-23.
2. Ризаев Ж. А., Ахмедов А. А. ОСНОВЫ СТОМАТОЛОГИЧЕСКОЙ ПОМОЩИ В РЕСПУБЛИКЕ УЗБЕКИСТАН НА ОСНОВЕ РАЗВИТИЯ ОБЩЕЙ ВРАЧЕБНОЙ ПРАКТИКИ //ЖУРНАЛ СТОМАТОЛОГИИ И КРАНИОФАЦИАЛЬНЫХ ИССЛЕДОВАНИЙ. – 2023. – Т. 4. – №. 3.
3. Абдуллаева Н. И., Ахмедов А. А. ОСТЕО-ИММУНОЛОГИЧЕСКИЙ СТАТУС ПАЦИЕНТОВ С ЗАБОЛЕВАНИЙ ПАРОДОНТА В ПОДРОСТКОВОМ И МОЛОДОМ ВОЗРАСТЕ //TA'LIM VA RIVOJLANISH TANLILI ONLAYN ILMIY JURNALI. – 2023. – Т. 3. – №. 11. – С. 143-149.
4. Ахмедов А. А. Иммунологические аспекты патогенеза гингивита и пародонтита //IQRO. – 2023. – Т. 3. – №. 2. – С. 121-123.
5. Ризаев Ж. А., Ахмедов А. А. GROWTH AND DEVELOPMENT OF GENERAL MEDICAL PRACTICE IN THE REPUBLIC OF UZBEKISTAN TO IMPROVE DENTAL CARE //ЖУРНАЛ СТОМАТОЛОГИИ И КРАНИОФАЦИАЛЬНЫХ ИССЛЕДОВАНИЙ. – 2023. – Т. 4. – №. 3.
6. Ахмедов А. А., Нарзиева Н. DENTAL PROSTHETICS ON IMPLANTS AND THEIR FEATURES //American Journal of Pedagogical and Educational Research. – 2023. – Т. 16. – С. 132-135.
7. Astanovich A. D. A. et al. The State of Periodontal Tissues in Athletes Engaged in Cyclic Sports //Annals of the Romanian Society for Cell Biology. – 2021. – С. 235-241.

8. Alimjanovich R. J., Astanovich A. A. СОВЕРШЕНТСВОВАНИЕ СТОМАТОЛОГИЧЕСКОЙ ПОМОЩИ В УЗБЕКИСТАНЕ С ИСПОЛЬЗОВАНИЕМ КОНЦЕПТУАЛЬНОГО ПОДХОДА ДЛЯ УЛУЧШЕНИЕ ЕЕ КАЧЕСТВА //JOURNAL OF BIOMEDICINE AND PRACTICE. – 2023. – Т. 8. – №. 4.
9. Ортикова Н. Глобализация биоэтики в период пандемии COVID-19 //Общество и инновации. – 2020. – Т. 1. – №. 1/S. – С. 677-682.
10. Ортикова Н. Влияние психоэмоционального напряжения детей на состояние здоровья полости рта //Общество и инновации. – 2023. – Т. 4. – №. 7/S. – С. 328-333.
11. Ортикова Н. Х., Ризаев Ж. А., Мелибаев Б. А. ПСИХОЛОГИЧЕСКИЕ АСПЕКТЫ ПОСТРОЕНИЯ СТОМАТОЛОГИЧЕСКОГО ПРИЕМА ПАЦИЕНТОВ ДЕТСКОГО ВОЗРАСТА //EDITOR COORDINATOR. – 2021. – С. 554.
12. Ортикова Н. Тенденция эффективности профилактических мероприятий путем коррекции психологического стресса у детей на стоматологическом приёме //Общество и инновации. – 2022. – Т. 3. – №. 6. – С. 181-189.
13. Qobilovna B. Z., Nodirovich E. A. EVALUATION OF ORTHOPEDIC TREATMENT WITH REMOVABLE DENTAL PROSTHESES FOR PATIENTS WITH PAIR PATHOLOGY //Spectrum Journal of Innovation, Reforms and Development. – 2023. – Т. 11. – С. 95-101.
14. Anvarovich E. S., Qobilovna B. Z. INFLUENCE OF DIFFERENT TYPES OF RETRACTION THREADS ON THE DEGREE OF GINGI RECESSON //Spectrum Journal of Innovation, Reforms and Development. – 2023. – Т. 11. – С. 84-86.
15. Tohirovna M. L., Qobilovna B. Z. Optimization of Complex Methods Treatment of Inflammatory Periodontal Diseases //Eurasian Research Bulletin. – 2023. – Т. 17. – С. 138-143.
16. Tavakalova Q. M., Qobilovna B. Z., Sarvinov Y. Preventive Measures in the Treatment of Caries in School children //Eurasian Research Bulletin. – 2023. – Т. 17. – С. 60-65.
17. Исламова Н., Чакконов Ф. Роль продуктов перекисного окисления липидов и противовоспалительных цитокинов крови в развитии заболеваний полости рта при гипотиреозе //Общество и инновации. – 2020. – Т. 1. – №. 1/s. – С. 577-582.
18. Fakhridin C., Shokhruh S., Nilufar I. ENDOKANAL PIN-KONSTRUKSIYALARNI ISHLATISHDA ASORATLAR VA XATOLAR TAHLILI //JOURNAL OF BIOMEDICINE AND PRACTICE. – 2022. – Т. 7. – №. 1.
19. Shoxrux S., Shoxrux I., Faxriddin C. PREVENTION AND TREATMENT OF ORAL INFECTIONS IN DENTURE WEARERS //International Journal of Early Childhood Special Education. – 2022. – Т. 14. – №. 4.

- 20.** Xusanovich C. F. COMPLETE REMOVABLE PROSTHESIS SUPPORTED BY IMPLANTS //European International Journal of Multidisciplinary Research and Management Studies. – 2023. – T. 3. – №. 11. – C. 127-133.
- 21.** Xusanovich C. F. et al. PROSTHETICS A COMPLETE REMOVABLE PROSTHESIS BASED ON IMPLANTS //European International Journal of Multidisciplinary Research and Management Studies. – 2023. – T. 3. – №. 11. – C. 122-126.
- 22.** Najmiddinovich S. N. et al. CARIES IN SCHOOL CHILDREN AND TREATMENT PREVENTIVE MEASURES //American Journal of Pedagogical and Educational Research. – 2023. – T. 16. – C. 44-49.
- 23.** Khusanovich K. B. R. C. F. TYPES AND APPLICATIONS OF DENTAL COMPLIMENTS //Journal of Modern Educational Achievements. – 2023. – T. 5. – №. 5. – C. 95-99.
- 24.** Zarnigor J. MAIN ROLE OF HYGIENIC EDUCATION IN THE SYSTEM PRIMARY PREVENTION OF DENTAL DISEASES OF PATIENT //European International Journal of Multidisciplinary Research and Management Studies. – 2023. – T. 3. – №. 11. – C. 157-163.
- 25.** Qizi J. Z. B. METHODS OF OPTIMIZATION OF TREATMENT OF PERIODONTAL DISEASES USING NEW TECHNOLOGIES //European International Journal of Multidisciplinary Research and Management Studies. – 2023. – T. 3. – №. 10. – C. 234-241.
- 26.** Kobilovna B. Z., Rushana R. COMPARATIVE EVALUATION OF PARTIAL DENTURES WITH VARIOUS FASTENING ELEMENTS //Intent Research Scientific Journal. – 2023. – T. 2. – №. 9. – C. 98-103.
- 27.** Qobilovna B. Z., Maxzuna U. Improvement of Providing Therapeutic Dental Care to Pregnant Women. Therapeutic and Preventive Measures //Eurasian Research Bulletin. – 2023. – T. 16. – C. 146-150.
- 28.** Tavakalova Q. M., Qobilovna B. Z., Sarvinoz Y. Results of the Prevention Program Dental Diseases in School-Age Children //Eurasian Research Bulletin. – 2023. – T. 17. – C. 50-54
- 29.** Jurabek T. D., Qobilovna B. Z. Principles of Prevention of Dental Diseases in Children in Modern Conditions //Eurasian Research Bulletin. – 2023. – T. 17. – C. 55-59.
- 30.** Tavakalova Q. M., Qobilovna B. Z., Sarvinoz Y. Preventive Measures in the Treatment of Caries in School children //Eurasian Research Bulletin. – 2023. – T. 17. – C. 60-65