



Bukhara Region Allergic Contact Dermatitis Disease with in the Younger Age Group of Patients Separation

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Abstract: A retrospective analysis of outpatient cards of 1156 patients under the age of 65 with allergic contact dermatitis from different regions of Bukhara region was carried out. The diagnosis of allergic contact dermatitis was confirmed by clinical, epidemiological and laboratory methods. The percentage of patients with respect to age and gender was studied. The clinical forms of allergic contact dermatitis in age and sex were studied and conclusions were made. Based on the obtained results, the indicators were statistically processed. Allergic contact dermatitis is significantly more common in children aged 25-39 years.

Key words: allergic contact dermatitis, allergic rhinitis, bronchial asthma, ecology.

Relevance

Allergic contact dermatitis is an inflammatory skin disease. Inflammation occurs mainly in the skin that is in contact with the allergen. Contact dermatitis occurs in 2-10% of the population and accounts for 15-20% of dermatological diseases [1]. Contact dermatitis occurs in 2–10% of naseleniya and in 15–20% of the total number of dermatological patients [2]. The frequency of development of allergic KD increases with age [3, 4].

In the Russian Federation, according to federal statistics, in 2018, the incidence of allergic contact dermatitis was 188.2 cases per 100,000 population, and the prevalence was 426.3 cases per 100,000 population. Among children from 1 to 14 years of age, the incidence was 774.4 cases per 100,000 population, the prevalence was 1589.4 cases per 100,000 population. The incidence of allergic contact dermatitis among 15-17-year-old children was 374.1 cases per 100,000 population, and the prevalence was 1134.0 cases per 100,000 population. [2] Allergic contact dermatitis can be associated with respiratory allergic diseases (allergic rhinitis, bronchial asthma). the disease may develop. [3,4]

The theory of air pollution explains the increase in allergic diseases, global urbanization, the rapid development of the manufacturing industry, and the increase in ozone, sulfur and nitrogen oxides, as well as carbon dioxide, formaldehyde, etc. Highly active and ultra-small particles cause aeroallergen sensitization and as a result of increasing the Th2-cytokine response, many immunological reconstructions occur in the body. [5,6]

The purpose of the study:

Age and gender analysis of patients diagnosed with allergic contact dermatitis living in Bukhara region.

Research tasks:

1. Determining the number of patients diagnosed with allergic contact dermatitis in Bukhara region.
2. Grouping of patients with diagnosed allergic contact dermatitis into groups according to regions.
3. Grouping of patients with diagnosed allergic contact dermatitis by age and gender.

Materials and styles

In 2020-2021, a clinical diagnosis was made in patients who applied to the regional dermatovenerology dispensary. The diagnosis was confirmed by the analysis of the patients and the clinic. Results before and after treatment were compared. Outpatient cards of patients were retrospectively studied and analyzed.

Result and discussion

In 2020-2021, the total number of people who applied to the dermatovenerology dispensary of Bukhara region with allergic contact dermatitis was 1156. The age and gender of these 1156 patients were retrospectively analyzed. All this was studied for research. A total of 1156 patients were studied, and all patients were statistically analyzed. 591 of them were women and 565 were men. The results of the study in relation to the age and gender of the referring patients had the following indicators (Table 1). The age range of studied patients is from 12 to 65 years. According to the determined data, cases of allergic contact dermatitis were the majority in Karakol, Olot, Bukhara city, G'ijduvon, Jondor districts. It has been scientifically confirmed that the number of cases of disease is related to the unique ecological environment of the districts and the production processes of industrial products. We can see this through the tables below.

Table 1. Age distribution of patients with allergic contact dermatitis in 2020-2021

District name	Age distribution of patients with allergic contact dermatitis in 2020-2021					Total
	12-18	19-25	26-39	40-55	56-65	
Bukhara city	25	34	20	22	5	106
Bukhara district	20	18	17	21	6	82
Vobkent district	18	19	17	14	6	74
Jondor district	24	28	25	16	4	97
Romitan district	21	24	19	18	8	90
Qarovulbazar district	14	24	21	14	5	78
Karakol district	24	34	32	18	15	123
Olot district	25	32	35	17	16	125
Peshku district	17	28	26	16	9	96
Gijduvan district	24	28	27	16	9	104

Shafirkon district	18	27	26	18	8	97
Kogon district	16	24	22	17	5	84
Total	246	320	287	207	96	1156

The first table above shows the following: age distribution of patients with allergic contact dermatitis in the city of Bukhara. The results obtained in the period of 2020-2021 included 25 children aged 12-18, 34 aged 19-25, 20 aged 26-39, 22 people between 40-55 years old, 5 people between 56-65 years old, the total number of patients diagnosed with this disease was 106. Age distribution of patients with allergic contact dermatitis in the Bukhara region. The results obtained in the period of 2020-2021 show 20 children under the age of 12-18, 18 under the age of 19-25, 17 between the ages of 26-39, 21 between the ages of 40-55, The total number of patients diagnosed with this disease was 6 people aged 56-65 years. Age distribution of patients with allergic contact dermatitis in Vobkent district. The results obtained in the period of 2020-2021 showed 18 children aged 12-18, 19 aged 19-25, 17 aged 26-39, 14 aged 40-55, The total number of patients diagnosed with this disease was 6 people aged 56-65 years. Age distribution of patients with allergic contact dermatitis in Jondor district. The results obtained in the period of 2020-2021 showed 24 children aged 12-18, 28 aged 19-25, 25 aged 26-39, 16 aged 40-55. The total number of patients diagnosed with this disease was 4 people aged 56-65 years. Age distribution of patients with allergic contact dermatitis in Romitan district. The results obtained in the period of 2020-2021 showed 21 children aged 12-18, 24 aged 19-25, 19 aged 26-39, 18 aged 40-55, 56 - 8 patients under the age of 65, the total number of patients diagnosed with this disease was 90. Age distribution of patients with allergic contact dermatitis in Qorovulbazar district. The results obtained in the period of 2020-2021 showed 14 children under the age of 12-18, 24 under the age of 19-25, 21 under the age of 26-39, 14 under the age of 40-55, The total number of patients diagnosed with this disease was 5 people aged 56-65 years. Age distribution of patients with allergic contact dermatitis in Karakol district. The results obtained in 2020-2021 showed 24 children under 12-18 years old, 34 people under 19-25 years old, 32 people between 26-39 years old, 18 people between 40-55 years old, The total number of patients diagnosed with this disease was 15 aged between 56-65 years and made 123. Age distribution of patients with allergic contact dermatitis in Olot district. The results obtained in the period of 2020-2021 show 25 children aged 12-18, 32 aged 19-25, 35 aged 26-39, 17 aged 40-55. The total number of patients diagnosed with this disease was 16 under the age of 56-65, making 125. Age distribution of patients with allergic contact dermatitis in Peshku district. The results obtained in the period of 2020-2021 showed 17 children aged 12-18, 28 aged 19-25, 26 aged 26-39, 16 aged 40-55. The total number of patients diagnosed with this disease was 9 people under the age of 56-65. Age distribution of patients with allergic contact dermatitis in Gijduvan district. The results obtained in the period of 2020-2021 showed 24 children under 12-18 years old, 28 people under 19-25 years old, 27 people between 26-39 years old, 16 people between 40-55 years old, The total number of patients diagnosed with this disease was 9 people aged 56-65. Age distribution of patients with allergic contact dermatitis in Shafirkon district. The results obtained in the period of 2020-2021 show 18 children aged 12-18, 27 aged 19-25, 26 aged 26-39, 18 aged 40-55, 56 - 8 patients under the age of 65, the total number of patients diagnosed with this disease was 97. Age distribution of patients with allergic contact dermatitis in Kogon district. The results obtained in the period of 2020-2021 showed 16 children aged 12-18, 24 aged 19-25, 22 aged 26-39, 17 aged 40-55, 56 - 5 patients under the age of 65, the total number of patients diagnosed with this disease was 84.

The total number of patients registered with allergic contact dermatitis in 2020-2021 was 1156. It was analyzed by region and age. According to the results of the analysis, it was found that the district with the highest incidence rate of the disease is Olot. In the next place, it was determined that Karakol district was the least diagnosed with allergic contact dermatitis, Vobkent district.

Summary : Allergic contact dermatitis with disease 2020-2021 the total number of registered patients was 1156.

It was analyzed by region and age. According to the results of the analysis, it was found that the district with the highest incidence rate of the disease is Olot. In the next place, it was determined that Karakol district was the least diagnosed with allergic contact dermatitis, Vobkent district. In all districts, the number of women registered with this diagnosis was 591, and among men it was 565. From this we can see that this disease is more common among women by 5.3%.

List of references

1. Yusupov , DA (2023). Husnbuzar " Fatiderm -M" mud in disease mask and " Disderm " cream of means together efficiency to determine *SCIENTIFIC JOURNAL OF APPLIED AND MEDICAL SCIENCES* , 2 (2), 212-218.
2. J. X. Ozodov , S. O. Sultanov , D. A. Yusupov. (2022). Age and gender segregation of patients with leishmaniasis in Bukhara region. *Journal Evraziyskikh meditsinskikh issledovaniy* , 7 , 62-68. Izvlecheno iz <https://geniusjournals.org/index.php/emrp/article/view/1027>
3. Ozodov , J. H., & Rakhmatov, O. B. (2021). ANALYSIS OF REGISTERED PATIENTS DIAGNOSED WITH GONORRHEA IN BUKHARA REGION AND A METHOD FOR COMPARING THE EFFECTIVENESS OF THE DRUGS USED DEPENDING ON THE CLINICAL COURSE OF THE DISEASE. *Novyy den v meditsine* , (4), 293-297.
4. Mazitov LP Modern aspects of pathogenesis and treatment of allergic dermatoses in children. Russian medical journal 2001. Volume 9. No. 11 p. 457-459.
5. Fedenko ES - Leishmaniasis: basis for a stepwise approach to therapy. *Consilium Medicum* 2001 v.3 No. 4, pp . 176-183.
6. Rakhmatov , OB (2021). IMPROVING THE PRINCIPLES OF TREATMENT IN PATIENTS WITH ZOONOTIC LEISHMANIASIS WITH THE IMMUNOMODULATOR GEPON AND METHYLENE BLUE USING THE ALT-VOSTOK DEVICE. *húnándàxuéxuébào (zíránkēxuébǎn)* , 48 (9).
7. Latipov , II, Akhmedovich , MF, & Hamza oglu , OJ (2021). EVALUATION OF THE QUALITY OF LIFE OF VITILIGO PATIENTS BY THE EFFECTIVENESS OF COMBINATION THERAPY USING THE DERMATOLOGY LIFE QUALITY INDEX (DLQI). *Web of Scientist: International Journal of Scientific Research* , 2 (10), 55-63.
8. Akhmedovich , Farkhod Makhmudov ; Amonovich , Dilshad Yusupov 10/26/2021. Clinical Criteria for the Manifestation of Atopic Dermatitis in Schoolchildren, Depending on Age Central Asian Journal of Medical and Natural Science. (Vol. 2, No. 5, pp. 335-339).
9. Patients with a diagnosis of gonorrhoea are registered in Bukhara region and depending on the clinical course of the disease, separation into age and gender . O. _ B. Rakhmatov , J. X Ozodov , N. D Khayitova , data publication, 2021, magazine novyy den v meditsine #1, pages 347-350
10. CLINICAL AND IMMUNOGYCAL ASPECTS OF PATHOGENESIS AND COMPLEX THERAPY OF VITILIGO 10.17605/OSF.IO/UCRD8 14-20 Option Ikromovich Latipov , Makhmudov Farhad Akhmedovich , Ozodov The brave son of Hamza
11. Ozodov JH (2022). MORPHOLOGICAL ANALYSIS OF HUMAN SKIN AND THE SKIN OF TAIL IN MICE. *INTERNATIONAL BULLETIN OF APPLIED SCIENCE AND TECHNOLOGY* , 2(11), 166-175.

12. Ozodov , J. H., & Rakhmatov, O. B. (2021). ANALYZ ZAREGISTRIROVANNYX PATSIENTOV S DIAGNOZOM GONOREYA V BUKHARSKOY OBLASTI I METOD SRAVNENIYA EFFEKTIVNOSTI PRIMENYaEMYX PREPARATOV V ZAVISIMOSTI OT KLINICHESKOGO TECHENIya ZABOLEVANIya. *Novyy den v meditsine*, (4), 293-297.
13. Teshaev Sh. Dj ., i Ozodov Dj.X. _ (2022). RANNIE EFFEKTY NANESENIYA TATUIROVKI NA MORFOLOGIYU KOJI MYSHI I OSNOVNYE OTLICHITELNYE PRIZNAKI S NORMALNOY KOJEY. *International journal of medical science and clinical research* , 2 (11), 47-57. <https://doi.org/10.37547/ijmscr/Volume02Issue11-09>
14. Ozodov JH – DISTRIBUTION OF PATIENTS WITH LEISHMANIASIS BY GENDER AND AGE IN THE BUKHARA REGION //New Day in Medicine 1(51)2023 129-135 <https://newdaymedicine.com/index.php/2023/01/24/asdadw/>
15. Rakhmatov, O. B. (1998). *Clinical-allergological characteristics of viral hepatitis V against the background of sochetannogo techenia lyambliosis* (Doctoral dissertation , - BukhMI , 1998.-16 p.).
16. Rakhmatov, O. B., & Khushvaktova , M. F. (2018). Ranyaya diagnostika i sovershenstvovanie principov lecheniya u bolnyx s kojnym leishmaniozom. *Biology and integrative medicine* , (11).
17. Rakhmatov , OB, & Khayitova , ND (2021). The use of " Sulfacet -R"-Gel in Combination with Zinc Ointment to Determine its Effectiveness Against Acne Disease. *CENTRAL ASIAN JOURNAL OF MEDICAL AND NATURAL SCIENCES* , 2 (6), 227-230.
18. Khushvaktova , MF, & Rakhmatov , OB (2021). Assessment of Skin and Mucosal Changes During Acute Illness and Remission of Covid-19 Patients. *CENTRAL ASIAN JOURNAL OF MEDICAL AND NATURAL SCIENCES* , 288-291.
19. Rakhmatov , OB, & Khayitova , ND (2021). TO IDENTIFY THE GENETIC TENDENCY OF TEENAGERS TO ACNE AND TO EVALUATE THE EFFICIENCY OF ZINC FOR THE PURPOSE OF ITS PROPHYLACTIC. *Novyy den v meditsine* , (4), 129-132.
20. Rakhmatov, O. B., & Yusupov, D. A. (2021). DISTRIBUTION OF PATIENTS WITH ATOPIC DERMATITIS BY AGE AND SEX IN BUKHARA REGION. *Scientific progress* , 2 (6), 1718-1729.
21. Rakhmatov, O. B., Ozodov , J. Kh., & Khayitova , N. D. (2021). PATIENTS WITH A DIAGNOSIS OF GONORRHEA ARE REGISTERED IN BUKHARA REGION AND DEPENDING ON THE CLINICAL COURSE OF THE DISEASE, SEPARATION INTO AGE AND GENDER. *Novyy den v meditsine* , (1), 347-350.