

European science review

№ 9–10 2018

September–October

Volume 2. Medical science

European Sciences review

Scientific journal

№ 9–10 2018 (September–October) Volume 2. Medical science

ISSN 2310-5577

Editor-in-chief

Lucas Koenig, Austria, Doctor of Economics

International editorial board

Abdulkasimov Ali, Uzbekistan, Doctor of Geography
Adieva Aynura Abduzhalolovna, Kyrgyzstan, Doctor of Economics
Arabaev Cholponkul Isaevich, Kyrgyzstan, Doctor of Law
Zagir V. Atayev, Russia, Ph.D. of Geographical Sciences
Akhmedova Raziya Abdullayevna, Russia, Doctor of Philology
Balabiev Kairat Rahimovich, Kazakhstan, Doctor of Law
Barlybaeva Saule Hatiyatovna, Kazakhstan, Doctor of History
Bejanidze Irina Zurabovna, Georgia, Doctor of Chemistry
Bestugin Alexander Roaldovich, Russia, Doctor of Engineering Sciences
Boselin S.R. Prabhu, India, Doctor of Engineering Sciences
Bondarenko Natalia Grigorievna, Russia, Doctor of Philosophy
Bogolib Tatiana Maksimovna, Ukraine, Doctor of Economics
Bulatbaeva Ayygul Abdimazhitovna, Kazakhstan, Doctor of Education
Chiladze George Bidzinovich, Georgia, Doctor of Economics, Doctor of Law
Dalibor M. Elezović, Serbia, Doctor of History
Gurov Valeriy Nikolaevich, Russia, Doctor of Education
Hajiyev Mahammad Shahbaz oglu, Azerbaijan, Doctor of Philosophy
Ibragimova Liliya Ahmatyanovna, Russia, Doctor of Education
Blahun Ivan Semenovich, Ukraine, Doctor of Economics
Ivannikov Ivan Andreevich, Russia, Doctor of Law
Jansarayeva Rima, Kazakhstan, Doctor of Law
Khubaev Georgy Nikolaevich, Russia, Doctor of Economics
Khurtsidze Tamila Shalvovna, Georgia, Doctor of Law
Khoutyz Zaur, Russia, Doctor of Economics
Khoutyz Irina, Russia, Doctor of Philology
Korzh Marina Vladimirovna, Russia, Doctor of Economics

Kocherbaeva Aynura Anatolevna, Kyrgyzstan, Doctor of Economics
Kushaliyev Kaisar Zhalitovich, Kazakhstan, Doctor of Veterinary Medicine
Lekerova Gulsim, Kazakhstan, Doctor of Psychology
Melnichuk Marina Vladimirovna, Russia, Doctor of Economics
Meymanov Bakyt Kattoevich, Kyrgyzstan, Doctor of Economics
Moldabek Kulakhmet, Kazakhstan, Doctor of Education
Morozova Natalay Ivanovna, Russia, Doctor of Economics
Moskvin Victor Anatolevich, Russia, Doctor of Psychology
Nagiyev Polad Yusif, Azerbaijan, Ph.D. of Agricultural Sciences
Naletova Natalia Yurevna, Russia, Doctor of Education
Novikov Alexei, Russia, Doctor of Education
Salaev Sanatbek Komiljanovich, Uzbekistan, Doctor of Economics
Shadiev Rizamat Davranovich, Uzbekistan, Doctor of Education
Shahatova Zarema Zorievna, Russia, Ph.D. of Education
Soltanova Nazilya Bagir, Azerbaijan, Doctor of Philosophy (Ph.D. of History)
Spasennikov Boris Aristarkhovich, Russia, Doctor of Law
Spasennikov Boris Aristarkhovich, Russia, Doctor of Medicine
Suleymanov Suleyman Fayzullaevich, Uzbekistan, Ph.D. of Medicine
Suleymanova Rima, Russia, Doctor of History
Tashpulatov Salih Shukurovich, Uzbekistan, Doctor of Engineering Sciences
Tereschenko-Kaidan Liliya Vladimirovna, Ukraine, Doctor of Philosophy
Tersvadze Mzia Giglaevna, Georgia, Doctor of Philology
Vijaykumar Muley, India, Doctor of Biological Sciences
Yurova Kseniya Igorevna, Russia, Ph.D. of History
Zhapplova Tatiana Mikhaylovna, Russia, Doctor of Philology
Zhdanovich Alexey Igorevich, Ukraine, Doctor of Medicine

Proofreading

Kristin Theissen

Cover design

Andreas Vogel

Additional design

Stephan Friedman

Editorial office

Premier Publishing s.r.o. Praha 8 – Karlín, Lyčkovo nám. 508/7, PSC 18600

E-mail:

pub@ppublishing.org

Homepage

ppublishing.org

European Journal of Arts is an international, German/English/Russian language, peer-reviewed journal. It is published bimonthly with circulation of 1000 copies.

The decisive criterion for accepting a manuscript for publication is scientific quality. All research articles published in this journal have undergone a rigorous peer review. Based on initial screening by the editors, each paper is anonymized and reviewed by at least two anonymous referees. Recommending the articles for publishing, the reviewers confirm that in their opinion the submitted article contains important or new scientific results.

Premier Publishing s.r.o. is not responsible for the stylistic content of the article. The responsibility for the stylistic content lies on an author of an article.

Instructions for authors

Full instructions for manuscript preparation and submission can be found through the Premier Publishing s.r.o. home page at:

<http://www.ppublishing.org>.

Material disclaimer

The opinions expressed in the conference proceedings do not necessarily reflect those of the Premier Publishing s.r.o., the editor, the editorial board, or the organization to which the authors are affiliated.

Premier Publishing s.r.o. is not responsible for the stylistic content of the article. The responsibility for the stylistic content lies on an author of an article.

Included to the open access repositories:



The journal has the GIF impact factor 1.26 for 2017.

© Premier Publishing s.r.o.

All rights reserved; no part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior written permission of the Publisher.

Typeset in Berling by Ziegler Buchdruckerei, Linz, Austria.

Printed by Premier Publishing s.r.o., Vienna, Austria on acid-free paper.

Mirrahimova Maktuba Habibullayevna,
associate professor of the Department of Children's Diseases № 1
Tashkent Medical Academy

Khalmatova Barno Turdihadjayevna,
professor, head of the Department of Children's Diseases № 1
Tashkent Medical Academy

Tashmatova Gulnoza Aloyevna,
assistant of the Department of Children's Diseases № 1
Tashkent Medical Academy, Uzbekistan
E-mail: Tashmatovagulnoza@gmail.com

PREVALENCE OF BRONCHIAL ASTHMA IN CHILDREN OF AN INDUSTRIAL REGION IN THE USBEKISTAN

Abstract: The article presents the results of the ISAAC questionnaire to assess the prevalence of bronchial asthma among children aged 7–8 and 13–14 living in industrial regions of Uzbekistan. 2500 pupils from 4 regions took part in the survey. Before the study, BA was diagnosed in 2.3% of children of school age (23 per 1000 children). After the survey, the prevalence of clinically diagnosed BA in children of school age increased almost 3 times and averaged 6.6%.

Keywords: children, questioning, ISAAC, prevalence, bronchial asthma.

Actuality. All over the world, including Uzbekistan, there is a tendency to an increase in the incidence of asthma and its more severe course. Epidemiological studies indicate that from 4 to 8.2% of the population suffers from bronchial asthma in different regions of the world [1; 2]. At the same time, the frequency of bronchial asthma in the adult population varies within 5%, and in the pediatric population it rises to 5–12% [3]. Epidemiological studies conducted using various methodological techniques indicate that the true prevalence of bronchial asthma among children significantly exceeds the official statistics. Thus, for example, epidemiological studies conducted on the basis of studying the appealability of patients to medical treatment and preventive institutions do not reflect the true picture of asthma prevalence, since not all cases of asthma are recorded. The most reliable and comparable data on the prevalence of atopic pathology in assessing the structure of the disease by severity in many countries of the world were obtained in connection with the implementation of the ISAAC program [6].

It is known that the health of the population, including children, is influenced by climatic, geographical, social, endemic and, to a large extent, environmental factors, there is information about the influence of man-made environmental pollutants on the pathology of the bronchopulmonary system in children [1; 4; 6]. Meanwhile, in each region there are different technologies and volumes of production, almost unique by types, as well as by levels of anthropogenic impact on the environment and the human body, which must be considered when conducting epidemiological studies and studying the characteristics of the course of diseases [5; 6]. So far, in the industrial regions of the Tashkent region (Uzbekistan), the

epidemiological studies of the ISAAC program have not been conducted, the risk factors and features of the course of bronchial asthma among children have not been studied.

Purpose. To study the prevalence of bronchial asthma in children of school age living in industrial regions of the Tashkent region.

Materials and methods. We conducted a survey of 2500 children, aged 7–8 years and 13–14 years. The study was conducted in two stages: Stage I included conducting a survey on the ISAAC questionnaire adapted to our conditions and translated into Uzbek. The survey was conducted in three regions of the Tashkent region – Angren, Almalyk, Chirchik. The reason for conducting research in three regions of the Tashkent region was the fact that several industrial facilities are located in these regions. For example, in Almalyk there is a large industrial holding AGMK (Almalyk Mining and Metallurgical Combine), where zinc is periodically released into the water. In Chirchik, there is a large industrial holding company, Uzneftegazmash, which manufactures technological equipment for the chemical industry, and chlorine vapor is periodically released into the atmosphere. In Angren, the metallurgical industry is located, where large quantities of aluminum are emitted into the soil. For comparison, a survey was conducted among children living in an ecologically more favorable region (Tashkent).

High school students filled out the questionnaires themselves, for the first graders of the questionnaire filled out parents.

Phase II of the survey (clinical, functional and allergological studies) was conducted for children who gave positive answers to questionnaire questions.

The results of studies on the ISAAC program in children in the age group of 13–14 years. To the question “Have you had wheezing breath or whistling in your chest in the last 12 months” there was a wide range of positive responses between regions – 15.3%; 9.7%; 8.9% and 2.4% in Tashkent. Positive answers to the questionnaire’s 3 questions regarding the severity of asthma-like symptoms (difficulty wheezing with a frequency of 4 or more times a year, a severe attack of breathlessness and night symptoms more than 1 time per week) indicated a severe persistent course of the disease. Episodes of wheezing wheezing with a frequency of 4 or more times a year fluctuated according to the respondents’ answers from 18.7% in the Tashkent region, and 7.2% in the city of Tashkent (a difference of 2.6 times). The frequency of sleep disorders due to attacks of difficulty wheezing, wheezing more than 1 time per week ranged from 4.7 to 1.3% (the difference is 3.6 times). Severe episodes of wheezing during the last 12 months were observed with a frequency of 9.2 to 0.4% (a difference of 23 times), the largest percentage was observed in the regions of Angren (10.2%) and the Almalyk region (6.4%). Symptoms of bronchospasm during exercise were observed with a frequency of 16.7 to 2.8% (4.7 times difference).

Bronchospasm for physical exertion and dry nighttime cough during the last 12 months was determined more often than shortness of wheezing in the last 12 months in most of the regions examined. The proportion of children who responded positively to the question about the presence of a dry night cough ranged from 20.9% to 2.7% (a difference of 7.7 times). More than 19% of teenagers from Angren, Almalyk and Chirchik answered this question positively.

97 schoolchildren of the Tashkent region answered positively to the question of the questionnaire “Have you ever had bronchial asthma?” More than 3.1% of this figure was in the city of Tashkent.

The results of the survey revealed that in children aged 13–14 years more often (92.7%) than in children aged 7–8 years (79.2%), asthma-like symptoms such as fits of wheezing and sleep disturbance occurred. For wheezing, difficulty wheezing and wheezing with speech restriction, the presence of shortness of breath during exercise and dry, not associated with the common cold, cough at night, as well as diagnosed with asthma.

The results of studies on the ISAAC program in children in the age group of 7–8 years. In this age group, parents of 976 first-graders from 4 regions took part in the survey. There was a wide range of responses between different regions to the question of the prevalence of shortness of wheezing over the past 12 months – from 12.1 to 3.2% (a difference of 3.7 times). The prevalence of this symptom is more than 10% was determined in Angren.

The frequency of wheezing wheezing episodes with a frequency of 4 or more times per year ranged from 8.2 to 3.6% (a difference of 2.3 times); a level of more than 5.2% is registered only in Angren.

The frequency of sleep disorders in connection with the attacks of difficulty wheezing wheezing more than 1 time per week ranged from 3.1 to 0.9% (a difference of 3.4 times). The level of this indicator is more than 2.9% defined in the Almalyk region. Severe episodes of difficulty wheezing with speech dyspnea over the past 12 months have been observed with a frequency of 6.3 to 0.4% (15.7 times the difference); the highest rate was recorded in Almalyk – 4.4%.

Symptoms of bronchospasm during exercise were observed with a frequency of 7.1 to 0.3% (a difference of 24.7 times). The frequency of this symptom is more than 5% defined in Chirchik and Almalyk.

The proportion of parents of children who responded positively to the question about the presence of dry night cough, ranged from 10.9 to 2.3% (the difference is 4.7 times). At the same time, the frequency level of this indicator is more than 9.3% recorded in the responses from parents of first-graders from Angren, Almalyk and Chirchik.

951 parents of first-graders responded positively to the question of the questionnaire “Did your child ever have bronchial asthma, the percentage varied by region from 5.2 to 0.6% (the difference is 8.6 times); the highest value of this indicator is noted in Angren (5.7%).

Discussion: Before an epidemiological study on the ISAAC program in practical health care facilities in the Tashkent region, BA was diagnosed in 2.3% of children of school age (23 per 1000 children). After the ISAAC survey, the prevalence of clinically diagnosed BA in school-age children increased almost 3 times and averaged 6.6% (66 per 1000 children). When comparing these indicators, the hypnosis of asthma becomes apparent. When comparing the prevalence of the disease depending on gender, no significant differences were found in children aged 7–8 years. However, girls aged 13–14 years, compared with boys of this age group, more often had shortness of breath on exertion and a dry, not associated with a cold, cough at night.

Conclusions

1. Clinically diagnosed on the basis of the ISAAC program, asthma among schoolchildren in industrial regions at the age of 7–8 years was $3.6 \pm 0.7\%$, at the age of 13–14 years – $9.7 \pm 0.8\%$. The true prevalence of BA among children in the Chirchik, Almalyk, Angren regions averaged 6.6%, which is almost 3 times higher than the official statistics (an average of 2.3%).

2. Despite the relatively high specificity and sensitivity of each question, for the final diagnosis, an in-depth clinical, functional and allergological examination is required based on generally accepted clinical guidelines.

References:

1. Abelevich M. M. Epidemiology of bronchial asthma in children of the Nizhny Novgorod region / M. M. Abelevich, A. A. Tarasova, I. F. Kolpashchikov and others // Sat. scientific worker "Improving the quality of life in asthma and allergies." – St. Petersburg., 2016.– No. 3.
2. Akhrarov Kh. K., et al. Triger factors of atopic dermatitis in children of preschool age // Russian Journal of Skin and Venereal Diseases. 2017.– Vol. 20.– No. 6.– P. 347–351.
3. Alekseeva T. A. On the immunological relationship of the influenza virus and ambrosia pollen / T. A. Alekseeva, F. F. Lukmanova // Immunology. 2012.– No. 2.– P. 80–82.
4. Allakverdiyeva L. I. The influence of environmental factors on the prevalence and course of asthma in children in Sumgatit / L. I. Allakverdiyeva, A. A. Eyubova, T. A. Ismailov I. A. Akhmedov // Pulmonology. 2012.– No. 4.– 25 p.
5. Balabolkin I. I. Modern ideas about the pathogenesis and therapy of atopic dermatitis in children // Farmateka. 2017.– No. 1 (334).– P. 53–60.
6. Asher M. I., Keil U., Anderson H. R. et al. International Study of Asthma and Allergies in Childhood (ISAAC): rationale and methods. Eur Respir J. 1995.– 8.– P. 483–491.

Contents

<i>Abdumajidov Abdulkhay Abdulkhakovich</i> FUNCTIONAL FEATURES OF THE CARDIOVASCULAR SYSTEM	3
<i>Azamatov Azizbek Azamat o'gli</i> NOOTROPIC ACTIVITY OF NEW CYTISINE N-BENZOYL DERIVATIVES	6
<i>Azizova Guzzal Djambulovna, Azizova Dinara Shukurullaevna</i> POSTMENOPAUSAL OSTEOPOROSIS AND THE ROLE OF POLYMORPHISM OF THE VITAMIN D RECEPTOR GENE IN WOMEN OF THE UZBEK POPULATION	9
<i>Azizova Rano, Umirkulov Otabek</i> FEATURES OF CLINICAL COURSE OF EPILEPSY ASSOCIATED WITH ANXIETY AND DEPRESSIVE DISORDERS	14
<i>Akramova Kh.A., Amanova N.A., Ubaidullaeva O. Kh.</i> FEATURES OF PHYSICAL DEVELOPMENT OF LOW WEIGHT CHILDREN	16
<i>Askaryants Vera Petrovna</i> TO THE QUESTION OF THE ROLE OF THE HYPOTHALAMUS IN STRESS	18
<i>Akhmedov Jobir</i> COMPARATIVE CHARACTERISTICS OF AGE CHARACTERISTICS OF MORPHOMETRIC PARAMETERS OF DIFFERENT PARTS OF THE SPINAL COLUMN IN GIRLS AND BOYS AGED 13 TO 16 YEARS	21
<i>Ahmedjanova Nargiza, Akhmedzhanov Ismail Ahmedjanovich, Melieva Gulsara, Mamatkulova Dilrabo, Bakhranov Sherzod</i> OPTIMIZATION OF METHODS OF DIAGNOSTICS AND TREATMENT OF SECONDARY CHRONIC PYELONEPHRITIS IN CHILDREN	26
<i>Bababekova Nigora Bakhtiyarovna, Khodjaeva Sabri Makhmudovna, Nabieva Dilnoza Djuraevna, Valiev Abduaziz Abdusmatovich</i> FEATURES OF CELLULAR IMMUNITY IN PRESCHOOL CHILDREN WITH PSORIASIS BEFORE AND AFTER TREATMENT	30
<i>Babajanov Akhmadjon Sultanbaevich, Akhmedov Adham Ibadullaevich, Toirov Abdukhomid Suvonkulovich, Akhmedov Gayrat Keldibekovich, Hudoynazarov Utkir Rabbimovich</i> THE STATES OF THE THYROID RESIDUE IN THE POSTOPERATIVE PERIOD IN PATIENTS WITH MULTINODAL NONTOXIC GOITER	33
<i>Babadzhanova F. A., Pazilova S. B.</i> TO THE ISSUE OF NUTRITION IN THE ASPECT OF PHYSIOLOGY	36
<i>Bazarova Zarina Zafarovna, Sobirova Sayyora Ergashevna, Todjiyeva Nigina Iskandarovna, Xudayarova Dildora Raximovna</i> QUALITY OF LIFE OF WOMEN UNDERGOING OBSTETRIC HYSTERECTOMY	38
<i>Nazirov Feruz Gafurovich, Abdumadzhidov Hamidulla Amanullaevich, Akbarov Mirshavkat Miralimovich, Buranov Khairulla Zhumabaevich, Tursunov Nasritdin Toshevich</i> SURGICAL TREATMENT OF COMBINED ECHINOCOCCOSIS OF HEART AND TARGET ORGANS (LUNGS, LIVER)	41
<i>Gaybiyev Akmal, Djurabekova Aziza, Utaganova Guljahon, Igamova Saodat</i> MODERN METHODS OF DIAGNOSTICS OF POLYNEUROPATHY	45

<i>Gafurov Bakhtiyor Gafurovich, Alikulova Nigora Abdukadirovna, Rakhmatova Sanobar Nizomovna</i>	
CORRELATIONS BETWEEN COGNITIVE AND LOCOMOTORS DISORDERS IN MEN AND WOMEN WITH CHRONIC CEREBRAL ISCHEMIA	48
<i>Daminova Kh. M., Zhumaniyozov N. B., Daminova M. N., Jalilov A. A.</i>	
THE PREVALENCE OF TUBERCULOSIS IN PATIENTS WITH HIV INFECTION	51
<i>Dergunova Galina Evgenievna</i>	
PECULIARITIES OF CLINICAL SYMPTOMATICS OF NONREVMATIC CARDITIS IN CHILDREN OF PRESCHOOL AGE ON THE BACKGROUND OF RESPIRATORY DISEASES	54
<i>Djumanov K. N.</i>	
SURGICAL TACTICS FOR VERTEBRO-MEDULLARY TUMORS.....	56
<i>Donscaia A., Chemencedji I., Antoci L., Cernat M., Mednicov L., Gherasim M.</i>	
IMMUNOHISTOCHEMISTRY (IHC) AS A MAIN TOOL IN TUMOR DIFFERENTIAL DIAGNOSIS.....	59
<i>Dzhumanov B. A., Zufarova Sh. A.</i>	
NFLUENCE OF THE LEVEL OF VITAMIN D ON THE FEATURES OF THE COURSE OF PRESENT PREGNANCY IN WOMEN	61
<i>Iskandarova Shokhista Fekhruzovna, Abdukhalilova Nilufar Sobirovna</i>	
DETERMINATION OF THE AMOUNT OF CURCUMIN IN DRY EXTRACT OF TURMERIC (CURCUMA LONGA L.)	64
<i>Kalandarov Dilmurod Madaminovich, Mirzakarimova Dildora Bakhodirovna, Primkulova Gulbahor Nazirjanovna, Khudoyarova Nazokatxon Kakharovna, Zhuraboev Bakhtierzhon</i>	
THE STATE OF MICROCIRCULATION IN HYPERTENSION.....	67
<i>Kamalidinova Shakhnoza Mahmudkhanovna, Fazylov Akram Akmalovich</i>	
PRENATAL ULTRASOUND DIAGNOSIS OF HEART DISEASE.....	70
<i>Kamalidinova Shakhnoza Mahmudkhanovna</i>	
DOWN SYNDROME AND MATERNAL AGE.....	72
<i>Karataeva N. A.</i>	
MODERN VIEWS ON ALLERGIC DISEASES IN CHILDREN.....	75
<i>Karimova Nilufar Nabidjanovna, Tursunova Nodira Isroilovna</i>	
PRESENT AND FUTURE OF REPRODUCTIVE SYSTEM AFTER MASSIVE OBSTETRIC BLEEDING	77
<i>Kurbanov A. T.</i>	
BASICS OF DERMATOGLYPHIC IN MEDICINE	80
<i>Liverko Irina Vladimirovna, Ubaydullaeva Naima Nabikhanovna</i>	
ASSESSMENT AND ORIGINS OF MALNUTRITION, AND POTENTIALITIES OF NUTRITIONAL SUPPORT IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE... ..	82
<i>Madzhidova Y. N., Donierova F. A., Ergasheva N. N.</i>	
ELECTROENCEPHALOGRAPHIC FEATURES IN CHILDREN WITH EARLY AUTISM	86

<i>Maksudova N. A., Kravchenko L. Sh., Shermatova Z. A.</i> SOCIALLY-HYGIENIC ASPECTS OF CARDIOVASCULAR PATHOLOGIES	88
<i>Bababekova Nigora Bakhtiyarovna, Khodjaeva Sabri Makhmudovna, Nabieva Dilnoza Djuraevna, Valiev Abduaziz Abdusmatovich</i> FEATURES OF CELLULAR IMMUNITY IN PRESCHOOL CHILDREN WITH PSORIASIS BEFORE AND AFTER TREATMENT	90
<i>Mamedova Guzalya Bakir qizi, Muminov Davron Kodyrovich</i> OPTIMIZATION OF MARKETING IN HEALTH INSTITUTIONS	93
<i>Matyakubova S. A., Ruzmetova D. T.</i> RISK FACTORS OF DEVELOPMENT OF PRETERM PREMATURE RUPTURE OF FETAL MEMBRANES IN PREGNANT WOMEN	96
<i>Mirrahimova Maktuba Habibullayevna, Khalmatova Barno Turdihadjayevna, Tashmatova Gulnoza Aloyevna</i> PREVALENCE OF BRONCHIAL ASTHMA IN CHILDREN OF AN INDUSTRIAL REGION IN THE USBEKISTAN	98
<i>Mirsaidova Hilola Mirjalalovna</i> THE USE OF MODERN INFORMATION AND COMMUNICATION TECHNOLOGIES INTO DIAGNOSTIC PRACTICE	101
<i>Kurbanov R. D., Mullabaeva G. U., Irisov J. B.</i> THE INFLUENCE OF MYOCARDIAL REVASCULARIZATION ON THE VENTRICULAR ARRHYTHMIA IN PATIENTS WITH ISCHEMIC HEART DISEASE	104
<i>Mun Andrey Vitalevich, Adilgereeva Madina Iskanderovna, Yusupova Shaxnoza Akramovna, Islomova Feruza Komilovna</i> DIAGNOSTIC AND TREATMENT MANAGEMENT FOR SKIN HYPERPIGMENTATION. CONTEMPORARY OPPORTUNITIES	107
<i>Hodjaeva Sabri Maxmudovna, Bababekova Nigora Bahtiyarovna, Mun Andrey Vitalevich</i> THE PROBLEM OF EPIDERMOLYSIS BULLOSA IN CHILDREN DERMATOLOGY	112
<i>Mustakimova Ph. A.</i> SECRETION THE REGULATION HORMONE OF PHYSIOLOGICAL ASPECTS	115
<i>Mukhitdinov Ulugbek</i> ANALYSIS OF UNSATISFACTORY OUTCOMES AFTER TYMPANOPLASTY	117
<i>Rikhsiyev U. Sh., Nabieva D. D., Valiyev A. A., Akhrorov X. X.</i> AGED CHARACTERISTICS OF CLINICAL MANIFESTATION OF VIRAL EXANTHEMA IN CHILDREN	120
<i>Iskandarov A. I.</i> CLINICAL AND MORPHOLOGICAL CRITERIA OF FORENSIC ASSESSMENT OF ACUTE POISONING WITH ETHYL ALCOHOL AND ITS SURROGATES	123
<i>Nazarova Janna</i> BIOLOGICAL MARKERS IN THE DIAGNOSIS OF CEREBRAL ISCHEMIA	126

<i>Nazarova Nigora Bohodirovna</i> PRODUCTION CONTROL OF RADIATION SAFETY AND ENSURING QUALITY CONTROL IN X-RAY ROOMS.....	129
<i>Nasimova Nigina Rustamovna</i> FEATURES OF MICROBIOCENOSIS OF THE VAGINA IN WOMEN OF REPRODUCTIVE AGE WITH GENITAL PROLAPSE	131
<i>Nasretdinova Mahzunova Tahirovna, Karabaev To Hurr Asankulovich</i> THE USE OF VESTIBULAR REABILITATION IN PATIENTS WITH VIOLATIONS OF THE VESTIBULAR ANALIZER.....	133
<i>Negmatshayeva Habiba Nabievna, Yuldasheva Azadaxon Sabirovna, Shokirova Sadokatxon Muxammatsolievna, Gafurova Shaxnoza Mavlanovna, Mamajonova Saida Otaxanovna</i> ANALYSIS OF THE FEATURES OF THE COURSE OF PREGNANCY AND LABOR IN PUERPERAS WITH DEVELOPED POSTPARTUM HEMORRHAGE.....	137
<i>Radjapov Adilbek Anvarbekovich</i> DYNAMICS OF CHANGES IN THE IMMUNOLOGICAL STATUS INDUCED BURNDICALLY DISEASES	139
<i>Rasulov Z. D., Kayumkhodzhaev A. A.</i> SURGICAL TREATMENT OF RECURRENT VARICOCELE.....	141
<i>Rizayev Jasur Alimjanovich, Asadullaev Nurulloxon Sagdullayevich</i> OXIDIZING STRESS FACTORS AND THE ANTIOXIDANT PROTECTION SYSTEM OF ORAL FLUID IN ELDERLY AND SENILE PEOPLE	144
<i>Rustamov Murodulla Isomiddinovich, Sherbekov Ulugbek Axrorovich, Murtazaev Zafar Israfulovich, Saydullaev Zayniddin Yakhshiboevich</i> THE ANALYSIS OF SURGICAL TREATMENT RESULTS IN PATIENTS WITH FOURNIER'S GANGRENE	148
<i>Sadirova Shakhlo Sobirovna</i> THE IMMUNE SYSTEM IN RARE AND FREQUENT RELAPSING LARYNGEAL PAPILLOMATOSIS IN CHILDREN	151
<i>Samieva Gulnoza, Abdirashidova Gulnoza, Kurbanov Golib</i> PATHOGENETIC ASPECTS OF ENDOGENOUS INTOXICATION AND ITS INFLUENCE ON THE COURSE OF VARIOUS FORMS OF STENOTIC LARYNGOTRACHEITIS IN CHILDREN	155
<i>Umarova Gulrukh</i> THREE CASES OF MINIMAL INVASIVE SURGICAL TREATMENT OF BENIGN BONE TUMORS OF WRIST BONES	158
<i>Suleymanov Suleyman Fayzullayevich, Khomidova Saodat Hikmatovna, Mansurova Malika Khasanovna, Sagdullayeva Gulandom Ul'yanovna</i> IMMUNE STATUS IN PATIENTS WITH DUODENAL ULCER AND INFLUENCE ON HER IMMUNOMODULATORY THERAPY	161
<i>Tuksanova Zebiniso Izatulloyevna, Ashurova Nodira Azimovna, Safarova Gulnoz Avazxonovna, Hikmatova Madina Furqatovna</i> HEALTH STATUS OF SCOOOL CHILDREN DEPENDING ON HEALTH CARE ACTIVITIES OF FAMILIES	164

<i>Turdieva D. E.</i> CYTOKINE STATUS INDICATORS AS MARKERS OF INFECTIOUS PROCESS IN NEWBORNS	167
<i>Tursunkulov Azimdjon Nazirjonovich, Tillyashahov M. N., Alijanov N. A., Ibragimov A. Yu.</i> COMPARATIVE EVALUATION OF THE RESULTS OF OPEN AND LAPAROSCOPIC PROSTATECTOMY FOR LOCALIZED PROSTATE CANCER.....	169
<i>Umarov Jamshid, Kerimov Fikrat, Toychiev Abdurakhim, Davis Nikolay, Osipova Svetlana</i> VITAMIN D LEVEL AMONG ELITE WRESTLERS IN UZBEKISTAN	173
<i>Usmonov Isomiddin Khaydarovich, Nazirov Primkul Khodgamovich</i> TECHNIQUE OF USE OF TITANIUM MESH CYLINDER OF EXEMPLARY CAGE TUBERCULAR SPONDYLITIS	178
<i>Utegenova Sohiba Komilovna, Bayjanov Allabergan Kadirovich</i> FACTORS AFFECTING NEUROCOGNITIVE FUNCTIONS OF PATIENTS WITH HIV INFECTION.....	185
<i>Bayjanov Allabergan Kadirovich, Utegenova Sohiba Komilovna</i> PATHOGENETIC ASPECTS OF NEUROCOGNITIVE DISORDERS IN HIV-INFECTED INDIVIDUALS	188
<i>Habibova Nazira Nasullaevna</i> CHARACTERISTIC FEATURES OF FREE-RADICAL PROCESSES AND ANTIOXIDANT PROTECTION IN THE ORAL CAVITY DURING CHRONIC RECURRENT APHTHOUS STOMATITIS	191
<i>Khamdamov Bahtiyor Zarifovich, Islomov Anzur Anwarovich, Jabborova Nigora Jafarovna, Khamdamov Ilkhom Bahtiyorovich, Khamdamov Alisher Bahtiyorovich</i> METHOD OF PREVENTION OF POSTOPERATIVE COMPLICATIONS OF SURGICAL TREATMENT OF DIABETIC FOOT SYNDROME.....	194
<i>Khasanova Dilnoza Ahrorovna, Teshayev Shukhrat Jumaevich</i> TOPOGRAFIC-ANATOMICAL FEATURES OF LYMPHOID STRUCTURES OF THE SMALL INTESTINE OF RATS IN NORM AND AGAINST THE BACKGROUND OF CHRONIC RADIATION DISEASES	197
<i>Khodjaeva Nargiza Bahramovna</i> RESEARCH ON POLYMORPHISM OF FIBROBLAST GROWTH FACTOR GENES AND MATRIX METALLOPROTEINASES IN PATIENTS WITH PHOTO AGING	199
<i>Akilov Farkhad Ataullovich, Bakhadir Khanov Mukhammadzarif Mekhammadkabrhanovich, Mirkhamidov Djalal Khalilovich, Khudaybergenov Ulugbek Ataullovich, Kasimov Safojon Samukdjanovich</i> FACTORS INFLUENCING THE CHOICE OF A METHOD FOR TREATING PATIENTS WITH URETHRAL STRICTURE	203
<i>Akilov Farkhad Ataullovich, Bakhadir Khanov Mukhammadzarif Mekhammadkabrhanovich, Mirkhamidov Djalal Khalilovich, Khudaybergenov Ulugbek Ataullovich, Kasimov Safojon Samukdjanovich</i> ASSESSMENT OF THE SPECIFIC CHARACTERISTICS OF URETHRAL STRICTURE ACCORDING TO RECORDS OF MEDICAL REPUBLICAN INSTITUTION OF UZBEKISTAN	207

<i>Sherbekov Ulugbek Axrorovich, Murtazaev Zafar Israfulovich, Rustamov Murodulla Isomiddinovich, Saydullaev Zayniddin Yakhshiboevich</i>	
SURGICAL TACTICS IN LIVER ECHINOCOCCOSIS OF SUBPHRENIC LOCALIZATION	212
<i>Baymakov Sayfiddin Risbaevich, Aslonov Zafarjon Ahrorovich, Boltaev Sherzod Shavkatovich, Yunusov Seydamet Shevket-oglu</i>	
ESTIMATED OF EFFECTIVENESS OF USING OF ENTEROSORBTION IN COMPLEX TREATMENT OF ACUTE INTESTINAL OBSTRUCTION	215
<i>Yusupalikhodjaeva Saodat Hamidullaevna, Bekjanova Olga Esenovna, Yodgorova Nodira Turgunboevna, Patkhiddinov Jaloliddin Sharofiddin o'gli</i>	
STUDY OF THE ADHESIVE PROPERTIES OF CANDIDA STRAINS IN AN IN VITRO TEST USING ERYTHROCYTES AS TARGET CELLS	219
<i>Yusupova Dilnoza Bakhtiyarovna, Mirza Allayarovich Gofur-Okhunov</i>	
THE ROLE OF IMMUNOHISTOCHEMISTRY IN THE TREATMENT OF BREAST CANCER IN ELDERLY AND SENILE PATIENTS	223
<i>Yusupova Dilnoza Bakhtiyarovna, Mirza Allayarovich Gofur-Okhunov</i>	
THE RESULTS OF COMPLEX TREATMENT OF BREAST CANCER IN PATIENTS OF ELDERLY AND SENILE AGE	227