

CRR
JOURNAL
OF CARDIORESPIRATORY RESEARCH

ISSN 2181-0974
DOI 10.26739/2181-0974



Journal of
CARDIORESPIRATORY
RESEARCH



Volume 1, Issue 3

2020

МИНИСТЕРСТВО ЗДРАВООХРАНЕНИЯ
РЕСПУБЛИКИ УЗБЕКИСТАН

Журнал кардиореспираторных исследований

JOURNAL OF CARDIORESPIRATORY RESEARCH

Главный редактор: Э.Н.ТАШКЕНБАЕВА

Учредитель:

Самаркандский государственный
медицинский институт

Tadqiqot.uz

Ежеквартальный
научно-практический
журнал



ISSN: 2181-0974
DOI: 10.26739/2181-0974



N° 3
2020

Главный редактор:

Ташкенбаева Элеонора Негматовна

доктор медицинских наук, заведующая кафедрой внутренних болезней №2 Самаркандского Государственного Медицинского института, председатель Ассоциации терапевтов Самаркандской области. <https://orcid.org/0000-0001-5705-4972>

Заместитель главного редактора:

Хайбулина Зарина Руслановна

доктор медицинских наук, руководитель отдела биохимии с группой микробиологии ГУ «РСПМЦХ им. акад. В. Вахидова» <https://orcid.org/0000-0002-9942-2910>

ЧЛЕНЫ РЕДАКЦИОННОЙ КОЛЛЕГИИ:

Аляви Анис Лютфуллаевич

академик АН РУз, доктор медицинских наук, профессор, руководитель Республиканского специализированного научно-практического медицинского центра терапии и медицинской реабилитации, Председатель Ассоциации Терапевтов Узбекистана (Ташкент) <https://orcid.org/0000-0002-0933-4993>

Бокерия Лео Антонович

академик РАН и РАМН, доктор медицинских наук, профессор, Президент научного центра сердечно-сосудистой хирургии им. А.Н. Бакулева (Москва), <https://orcid.org/0000-0002-6180-2619>

Курбанов Равшанбек Давлатович

академик АН РУз, доктор медицинских наук, профессор, директор Республиканского специализированного научно-практического медицинского центра кардиологии (Ташкент) <https://orcid.org/0000-0001-7309-2071>

Michał Tendera

профессор кафедры кардиологии Верхнесилезского кардиологического центра, Силезский медицинский университет в Катовице, Польша (Польша) <https://orcid.org/0000-0002-0812-6113>

Покушалов Евгений Анатольевич

доктор медицинских наук, профессор, заместитель генерального директора по науке и развитию сети клиник «Центр новых медицинских технологий» (ЦНМТ), (Новосибирск), <https://orcid.org/0000-0002-2560-5167>

Акилов Хабибулла Атауллаевич

доктор медицинских наук, профессор, ректор Ташкентского Института Усовершенствования Врачей (Ташкент)

Абдиева Гулнора Алиевна

Ассистент кафедры внутренних болезней №2 Самаркандского Медицинского Института <https://orcid.org/0000-0002-6980-6278> (ответственный секретарь)

Ризаев Жасур Алимджанович

доктор медицинских наук, профессор, Ректор Самаркандского государственного медицинского института <https://orcid.org/0000-0001-5468-9403>

Зиядуллаев Шухрат Худойбердиевич

доктор медицинских наук, доцент, проректор по научной работе и инновациям Самаркандского Государственного медицинского института <https://orcid.org/0000-0002-9309-3933>

Зуфаров Миржамол Мирумарович

доктор медицинских наук, профессор, руководитель отдела ГУ «РСПМЦХ им. акад. В. Вахидова» <https://orcid.org/0000-0003-4822-3193>

Ливерко Ирина Владимировна

доктор медицинских наук, профессор, заместитель директора по науке Республиканского специализированного научно-практического медицинского центра фтизиатрии и пульмонологии Республики Узбекистан (Ташкент) <https://orcid.org/0000-0003-0059-9183>

Цурко Владимир Викторович

Доктор медицинских наук, профессор кафедры общей врачебной практики Института профессионального образования Первого Московского государственного медицинского университета им. И.М. Сеченова (Семёновский университет) (Москва) <https://orcid.org/0000-0001-8040-3704>

Тураев Феруз Фатхуллаевич

доктор медицинских наук, главный научный сотрудник отделения приобретенных пороков сердца ГУ «РСПМЦХ им. акад. В. Вахидова»

Насирова Зарина Акбаровна

PhD, ассистент кафедры внутренних болезней №2 Самаркандского Государственного Медицинского Института (ответственный секретарь)

Bosh muharrir:

Tashkenbayeva Eleonora Negmatovna

tibbiyot fanlari doktori, Samarqand davlat tibbiyot instituti 2-sonli ichki kasalliklar kafedrasini mudiri, Samarqand viloyati vrachlar uyushmasi raisi.
<https://orsid.org/0000-0001-5705-4972>

Bosh muharrir o'rinbosarlari:

Xaibulina Zarina Ruslanovna

tibbiyot fanlari doktori, "akad V. Vohidov nomidagi RIJM davlat institutining mikrobiologiya guruhi bilan biokimyo kafedrasini mudiri"
<https://orcid.org/0000-0002-9942-2910>

TAHRIRIYAT A'ZOLARI:

Alyavi Anis Lyutfullayevich

O'zbekiston Respublikasi Fanlar akademiyasining akademigi, tibbiyot fanlari doktori, professor, Respublika ixtisoslashtirilgan tibbiy terapiya va reabilitatsiya ilmiy-amaliy markazining boshlig'i, O'zbekiston Terapevtlar uyushmasi raisi (Toshkent),
<https://orcid.org/0000-0002-0933-4993>

Bockeria Leo Antonovich

Rossiya fanlar akademiyasining akademigi, tibbiyot fanlari doktori, professor, A.N. Bakuleva nomidagi yurak-qon tomir jarrohligi ilmiy markazi prezidenti (Moskva)
<https://orcid.org/0000-0002-6180-2619>

Qurbanov Ravshanbek Davlatovich

O'zbekiston Respublikasi Fanlar akademiyasining akademigi, tibbiyot fanlari doktori, professor, Respublika ixtisoslashtirilgan kardiologiya ilmiy-amaliy tibbiyot markazining direktori (Toshkent)
<https://orcid.org/0000-0001-7309-2071>

Mixal Tendra

Katovitsadagi Sileziya Tibbiyot Universiteti, Yuqori Sileziya Kardiologiya Markazi kardiologiya kafedrasini professori (Polsha)
<https://orcid.org/0000-0002-0812-6113>

Pokushalov Evgeniy Anatolevich

tibbiyot fanlari doktori, professor, "Yangi tibbiy texnologiyalar markazi" (YTTM) klinik tarmog'ining ilmiy ishlar va rivojlanish bo'yicha bosh direktorining o'rinbosari (Novosibirsk)
<https://orcid.org/0000-0002-2560-5167>

Akilov Xabibulla Ataulayevich

tibbiyot fanlari doktori, professor, Toshkent vrachlar malakasini oshirish instituti rektori (Toshkent)

Abdiyeva Gulnora Aliyevna

Samarqand davlat tibbiyot instituti 2-sonli ichki kasalliklar kafedrasini assistenti (mas'ul kotib)
<https://orcid.org/0000-0002-6980-6278>

Rizayev Jasur Alimjanovich

tibbiyot fanlari doktori, professor, Samarqand davlat tibbiyot instituti rektori
<https://orcid.org/0000-0001-5468-9403>

Ziyadullayev Shuxrat Xudoyberdiyevich

tibbiyot fanlari doktori, dotsent, Samarqand davlat tibbiyot institutining fan va innovatsiyalar bo'yicha prorektori (Samarqand)
<https://orcid.org/0000-0002-9309-3933>

Zufarov Mirjamol Mirumarovich

tibbiyot fanlari doktori, professor, "akad V. Vohidov nomidagi RIJM davlat muassasasi" bo'limi boshlig'i "
<https://orcid.org/0000-0003-4822-3193>

Liverko Irina Vladimirovna

tibbiyot fanlari doktori, professor, Respublika ixtisoslashtirilgan ftziologiya va pulmonologiya ilmiy-amaliy tibbiyot markazining ilmiy ishlar bo'yicha direktor o'rinbosari (Toshkent)
<https://orcid.org/0000-0003-0059-9183>

Surko Vladimir Viktorovich

I.M. Sechenov nomidagi Birinchi Moskva Davlat Tibbiyot Universiteti Kasbiy ta'lim institutining umumiy amaliyot shifokorlik amaliyoti kafedrasini tibbiyot fanlar doktori, professori (Semyonov universiteti) (Moskva)
<https://orcid.org/0000-0001-8040-3704>

To'rayev Feruz Fatxullayevich

tibbiyot fanlari doktori, "akad V. Vohidov nomidagi RIJM davlat institutining yurak kasalliklari" bo'limining bosh ilmiy xodimi
<https://orcid.org/0000-0002-1321-4732>

Nosirova Zarina Akbarovna

Samarqand davlat tibbiyot instituti 2-sonli ichki kasalliklar kafedrasini assistenti, PhD (mas'ul kotib)

Chief Editor:

Tashkenbaeva Eleonora Negmatovna

Doctor of Medical Sciences, Head of the Department of Internal Diseases No. 2 of the Samarkand State Medical Institute, Chairman of the Association of Physicians of the Samarkand Region. <https://orcid.org/0000-0001-5705-4972>

Deputy Chief Editor:

Xaibulina Zarina Ruslanovna

Doctor of Medical Sciences, Head of the Department of Biochemistry with the Microbiology Group of the State Institution "RSSC named after acad. V. Vakhidov", <https://orcid.org/0000-0002-9942-2910>

MEMBERS OF THE EDITORIAL BOARD:

Alyavi Anis Lutfullaevich

Academician of the Academy of Sciences of the Republic of Uzbekistan, Doctor of Medical Sciences, Professor, Head of the Republican Specialized Scientific and Practical Center for Medical Therapy and Rehabilitation, Chairman of the Association of Physicians of Uzbekistan (Tashkent) <https://orcid.org/0000-0002-0933-4993>

Bockeria Leo Antonovich

Academician of the Russian Academy of Sciences, Doctor of Medical Sciences, Professor, President of the Scientific Center for Cardiovascular Surgery named after A.N. Bakuleva (Moscow) <https://orcid.org/0000-0002-6180-2619>

Kurbanov Ravshanbek Davlatovich

Academician of the Academy of Sciences of the Republic of Uzbekistan, Doctor of Medical Sciences, Professor, Director of the Republican Specialized Scientific and Practical Medical Center of Cardiology, (Tashkent) <https://orcid.org/0000-0001-7309-2071>

Michal Tendera

Professor of the Department of Cardiology, Upper Silesian Cardiology Center, Silesian Medical University in Katowice, Poland (Poland) <https://orcid.org/0000-0002-0812-6113>

Pokushalov Evgeny Anatolyevich

Doctor of Medical Sciences, Professor, Deputy Director General for Science and Development of the Clinic Network "Center for New Medical Technologies" (CNMT), (Novosibirsk) <https://orcid.org/0000-0002-2560-5167>

Akilov Xabibulla Ataulaevich

Doctor of Medical Sciences, Professor, Rector of the Tashkent Institute for the Improvement of Physicians (Tashkent)

Abdieva Gulnora Alieвна

Assistant of the Department of Internal Diseases No. 2 of the Samarkand State Medical Institute <https://orcid.org/0000-0002-6980-6278> (Executive Secretary)

Rizaev Jasur Alimjanovich

Doctor of Medical Sciences, Professor, Rector of the Samarkand State Medical Institute <https://orcid.org/0000-0001-5468-9403>

Ziyadullaev Shuhrat Khudoyberdievich

Doctor of Medical Sciences, Associate Professor, Vice-Rector for Science and Innovation of the Samarkand State Medical Institute (Samarkand) <https://orcid.org/0000-0002-9309-3933>

Zufarov Mirjamol Mirumarovich

Doctor of Medical Sciences, Professor, Head of the Department of the State Institution "RSNPMTSH named after acad. V. Vakhidov" <https://orcid.org/0000-0003-4822-3193>

Liverko Irina Vladimirovna

Doctor of Medical Sciences, Professor, Deputy Director for Science of the Republican Specialized Scientific and Practical Medical Center for Phthisiology and Pulmonology of the Republic of Uzbekistan (Tashkent) <https://orcid.org/0000-0003-0059-9183>

Surko Vladimir Viktorovich

Doctor of Medical Sciences, professor of the Department of General Medical Practice of First Moscow State Medical University by name I.M. Sechenov (Sechenov University) (Moscow) <https://orcid.org/0000-0001-8040-3704>

Turaev Feruz Fatxullaevich

Doctor of Medical Sciences, Chief Researcher of the Department of Acquired Heart Diseases of the State Institution "RSNPMTSH named after acad. V. Vakhidov"

Nasirova Zarina Akbarovna

PhD, Assistant of the Department of Internal Diseases No. 2 of the Samarkand State Medical Institute (Executive Secretary)

ЧЛЕНЫ РЕДАКЦИОННОГО СОВЕТА | TAHRIRIYAT KENGASHI
MEMBERS OF THE EDITORIAL BOARD:

Алимов Дониёр Анварович
доктор медицинских наук, директор
Республиканского научного центра
экстренной медицинской помощи

Янгиев Бахтиёр Ахмедович
кандидат медицинских наук,
директор Самаркандского филиала
Республиканского научного центра
экстренной медицинской помощи

Абдуллаев Акбар Хатамович
доктор медицинских наук, главный
научный сотрудник Республиканского
специализированного научно-
практического центра медицинской
терапии и реабилитации
<https://orcid.org/0000-0002-1766-4458>

Агабабян Ирина Рубеновна
кандидат медицинских наук, доцент,
заведующая кафедрой терапии ФПДО,
Самаркандского Государственного
медицинского института

Алиева Нигора Рустамовна
доктор медицинских наук, заведующая
кафедрой Госпитальной педиатрии №1
с основами нетрадиционной медицины
ТашПМИ

Исмаилова Адолат Абдурахимовна
доктор медицинских наук, профессор,
заведующая лабораторией
фундаментальной иммунологии
Института иммунологии геномики
человека АН РУз

Камалов Зайнитдин Сайфутдинович
доктор медицинских наук, профессор,
заведующий лабораторией
иммунорегуляции Института
иммунологии и геномики
человека АН РУз

Каюмов Улугбек Каримович
доктор медицинских наук, профессор,
заведующий кафедрой внутренних
болезней и телемедицины
Ташкентского Института
Усовершенствования Врачей

Хусинова Шоира Акбаровна
кандидат медицинских наук, доцент,
заведующая кафедрой общей практики,
семейной медицины ФПДО
Самаркандского Государственного
медицинского института

Alimov Doniyor Anvarovich
tibbiyot fanlari doktori, Respublika
shoshilinch tibbiy yordam ilmiy
markazi direktori (Toshkent)

Yangiyev Baxtiyor Axmedovich
tibbiyot fanlari nomzodi,
Respublika shoshilinch tibbiy
yordam ilmiy markazining
Samarqand filiali direktori

Abdullaev Akbar Xatamovich
tibbiyot fanlari doktori, O'zbekiston
Respublikasi Sog'liqni saqlash
vazirligining "Respublika
ixtisoslashtirilgan terapiya va tibbiy
reabilitatsiya ilmiy-amaliy
tibbiyot markazi" davlat
muassasasi bosh ilmiy xodimi
<https://orcid.org/0000-0002-1766-4458>

Agababyan Irina Rubenovna
tibbiyot fanlari nomzodi, dotsent,
DKTF, terapiya kafedrasini mudiri,
Samarqand davlat tibbiyot instituti

Alieva Nigora Rustamovna
tibbiyot fanlari doktori, 1-sonli
gospital pediatriya kafedrasini mudiri,
ToshPTI

Ismoilova Adolat Abduraximovna
tibbiyot fanlari doktori, professor,
O'zbekiston Respublikasi Fanlar
akademiyasining Odam genomikasi
immunologiyasi institutining
fundamental immunologiya
laboratoriyasining mudiri

Kamalov Zaynitdin Sayfutdinovich
tibbiyot fanlari doktori, professor,
O'zbekiston Respublikasi Fanlar
akademiyasining Immunologiya va
inson genomikasi institutining
Immunogenetika laboratoriyasi mudiri

Qayumov Ulug'bek Karimovich
tibbiyot fanlari doktori, professor,
Toshkent vrachlar malakasini oshirish
institutining ichki kasalliklar va
teletibbiyot kafedrasini mudiri

Xusinova Shoira Akbarovna
tibbiyot fanlari nomzodi, dotsent,
Samarqand davlat tibbiyot instituti
DKTF Umumiy amaliyot va oilaviy
tibbiyot kafedrasini mudiri (Samarqand)

Alimov Doniyor Anvarovich
Doctor of Medical Sciences, Director of
the Republican Scientific Center of
Emergency Medical Care

Yangiev Bakhtiyor Axmedovich
PhD, Director of Samarkand branch of
the Republican Scientific Center of
Emergency Medical Care

Abdullaev Akbar Xatamovich
Doctor of Medical Sciences, Chief
Researcher of the State Institution
"Republican Specialized Scientific and
Practical Medical Center for Therapy and
Medical Rehabilitation" of the Ministry of
Health of the Republic of Uzbekistan,
<https://orcid.org/0000-0002-1766-4458>

Agababyan Irina Rubenovna
PhD, Associate Professor, Head of the
Department of Therapy, FAGE,
Samarkand State Medical Institute

Alieva Nigora Rustamovna
Doctor of Medical Sciences, Head of the
Department of Hospital Pediatrics No. 1
with the basics of alternative
medicine, TashPMI

Ismoilova Adolat Abduraximovna
doctor of Medical Sciences, Professor,
Head of the Laboratory of Fundamental
Immunology of the Institute of
Immunology of Human Genomics of the
Academy of Sciences of the
Republic of Uzbekistan

Kamalov Zaynitdin Sayfutdinovich
Doctor of Medical Sciences, Professor,
Head of the Laboratory of
Immunogenetics of the Institute of
Immunology and Human Genomics of the
Academy of Sciences of the
Republic of Uzbekistan

Kayumov Ulugbek Karimovich Doctor
of Medical Sciences, Professor, Head of
the Department of Internal Diseases and
Telemedicine of the Tashkent Institute for
the Advancement of Physicians

Khusinova Shoira Akbarovna
PhD, Associate Professor, Head of the
Department of General Practice, Family
Medicine FAGE of the
Samarkand State Medical Institute

Page Maker | Верстка | Sahifalovchi: Xurshid Mirzamedov

Контакт редакций журналов. www.tadqiqot.uz
ООО Tadqiqot город Ташкент,
улица Амира Темура пр.1, дом-2.
Web: <http://www.tadqiqot.uz/>; Email: info@tadqiqot.uz
Телефон: +998 (94) 404-0000

Editorial staff of the journals of www.tadqiqot.uz
Tadqiqot LLC the city of Tashkent,
Amir Temur Street pr.1, House 2.
Web: <http://www.tadqiqot.uz/>; Email: info@tadqiqot.uz
Phone: (+998-94) 404-0000

MUNDARIJA | СОДЕРЖАНИЕ | CONTENT

ADABIYOTLAR TAHLILI | REVIEW ARTICLES | ОБЗОРНЫЕ СТАТЬИ

1. Daminova L.T., Siddikov O.A.

Selection of the optimal drug for empirical antibacterial therapy for treatment of community-acquired pneumonia

Выбор оптимального препарата для эмпирической антибактериальной терапии при лечении внебольничной пневмонии

Shifoxonadan tashqari pnevmoniyani davolashda empirik terapiya uchun optimal antibakterial preparat tanlash..... 9

2. Ismailov J.A.

Study of pathological changes of the cardiovascular system in patients with chronic obstructive pulmonary disease

Изучение патологических изменений сердечно-сосудистой системы у больных хронической обструктивной болезнью легких

Surunkali obstruktiv o'pka kasalligi bilan og'rigan bemorlarda yurak-qon tomir tizimining patologik o'zgarishlarini o'rganish..... 14

3. Istamova S.S., Tashkenbaeva E.N., Fatullaeva D.S., Hayitov I.I., Aliqulov X.R., Kadirova F.Sh.

Left ventricular diastolic dysfunction in patients with myocardial infarction

Диастолическая дисфункция левого желудочка у больных инфарктом миокарда

Miokard infarkti bo'lgan bemorlarda chap qorincha diastolik disfunktsiyasi..... 18

4. Mamatova N.T., Abduhakimov B.A.

Effects of anti-tuberculosis treatment on the functional status of the thyroid gland

Влияние противотуберкулезного лечения на функциональное состояние щитовидной железы

Qalqonsimon bezining funksional holatiga silga qarshi davolash choralarining ta'siri..... 24

5. Tashkenbaeva E.N., Nasyrova Z.A., Mirzaev R.Z.

Stratification of chronic ischemic heart disease depending on diagnostic methods and ways of their treatment

Стратификация хронической ишемической болезни сердца в зависимости от методов диагностики и пути их лечения

Yurakning surunkali ishemik kasalligini diagnostika usullari va ularni davolash usullariga bog'liq ravishda stratifikatsiya qilish... 28

6. Tashkenbaeva E.N., Rajabova N.T., Kadirova F.Sh., Abdieva G.A.

Associated risk factors for cardiovascular events in postmenopausal women

Ассоциированные факторы риска кардиоваскулярных событий у женщин в постменопаузальном периоде

Postmenopausal davrdagi ayollarda kardiovaskular voqealar uchun xavf omillari..... 33

7. Nasyrova Z.A., Tashkenbayeva E.N., Nasirova D.A.

Relationship of anxiety-depressive state with cardiovascular diseases

Взаимосвязь психосоматических состояний с сердечно-сосудистыми заболеваниями

Yurak-qon tomir kasalliklari bilan tashvish-depressiv sindrom aloqasi..... 40

8. Rasuli F.O., Tashkenbaeva E.N., Abdieva G.A., Hayitov I.I., Yusupova M.F.

Clinical Features of chronic heart failure in patients with IHD course on the background of atrial fibrillation

Особенности развития хронической сердечной недостаточности у больных с ИБС на фоне фибрилляции предсердий

Bo'lmachalar fibrilatsiyasi fonida yurak ishemik kasalligi bo'lgan bemorlarda surunkali yurak yetishmovchiliigining kechishi..... 44

ORIGINAL MAQOLALAR | ОРИГИНАЛЬНЫЕ СТАТЬИ | ORIGINAL ARTICLES

9. Ahmedov I.A., Abdushukurova K.R.

Efficiency of aspirin in patients with rheumatoid arthritis and coronary heart disease

Применение аспирина у больных ревматоидным артритом в сочетании с ишемической болезнью сердца

Revmatoid artrit va yurak ishemik kasalligi bo'lgan bemorlarda aspirin qo'llanilishi.....	49
10. Ahmedov I.A., Tashinova L.Kh. Possibilities of magnetic resonance and computed tomography diagnostics in early detection of changes in the joint and lungs in patients with rheumatoid arthritis	
Возможности магнитно-резонансной и компьютерной томографии при диагностике ранних выявлений суставных и бронхопальмональных изменений у больных ревматоидным артритом	
Revmatoid artrit kasalligida bo'g'im va bronxopulmonal o'zgarishlarni erta aniqlashda magnit rezonans va kompyuter tomografiyaning imkoniyatlari.....	52
11. Ganiev A.G., Nazarov K.D. Comprehensive treatment of bronchial asthma in Children using resistol	
Комплексное лечение бронхиальной астмы у детей с использованием резистола	
Bronxial astmani kompleks davolashda rezistol moddasini qo'llash usuli.....	55
12. Islamova K.A., Karabaeva G.Kh. Clinical characteristics of cardiovascular system diseases against the background of diabetes mellitus	
Особенности клинического течения заболеваний сердечно - сосудистой системы на фоне сахарного диабета	
Qandli diabet kasalligi fonida yurak qon tomir tizimi kasalliklarining klinik kechuv xususiyatlari.....	59
13. Kholboyev S.B. Results of observations of persons with coronavirus on the primary line of healthcare	
Результаты наблюдений лиц перенесших коронавирус на первичном звене здравоохранения	
Sog'liqni saqlashning birlamchi bo'g'inida koronavirus bilan kasallangan shaxslarni kuzatish natijalari.....	63
14. Mirzarakhimova Z.Kh., Rakhimova G.N., Mullabaeva G.U. Possibilities of electric myocardial instability correction using adequate hypoglycemic therapy	
Возможности коррекции электрической нестабильности миокарда с помощью адекватной гипогликемической терапии	
Adekvat gipoglikemik terapiya imkoniyatlari yordamida elektrik beqaror miokard korreksiyasi.....	67
15. Nasirova A.A., Babamuradova Z.B., Bazarova S.A., Peculiarities of immunological indicators in patients with chronic obstructive pulmonary disease and bronchial asthma	
Особенности иммунологических показателей у больных хронической обструктивной болезнью легких и бронхиальной астмой	
O'pkaning surunkali obstruktiv kasalligi va bronxial astma bilan kasallangan bemorlarda immunologik ko'rsatkichlarning xususiyati.....	72
16. Soleeva S.Sh., Djabbarova N.M., Muradov Sh.B. The state of diastolic dysfunction of the left ventricle in patients with myocardial infarction	
Состояние диастолической дисфункции левого желудочка у больных с инфарктом миокарда	
Infarkt miokard o'tkazgan bemorlarda yurak diastolik disfunksiyasi holati.....	78
17. Shavazi N.M., Ibragimova M.F., Ataeva M.S., Lim M.V. The use of the drug broncho-munal in the treatment of acute bronchiolitis in children	
Применение препарата бронхо-мунал при лечении острого бронхоолита у детей	
Bolalarda o'tkir bronxiolitni davolashda broncho-munal preparatini qo'llash.....	82



JOURNAL OF CARDIORESPIRATORY RESEARCH

ЖУРНАЛ КАРДИОРЕСПИРАТОРНЫХ ИССЛЕДОВАНИЙ

УДК 616.248-07:616.21/233-099.812

Ганиев Абдурашид Ганиевич


доцент кафедры госпитальной педиатрии Андижанского государственного медицинского института. г. Андижан, Узбекистан

Назаров Комил Дадаевич

доцент кафедры госпитальной педиатрии Ургенчского филиала Ташкентской медицинской академии. г. Ургенч, Узбекистан

КОМПЛЕКСНОЕ ЛЕЧЕНИЕ БРОНХИАЛЬНОЙ АСТМЫ У ДЕТЕЙ С ИСПОЛЬЗОВАНИЕМ РЕЗИСТОЛА

For citation: Ganiev A.G., Nazarov K.D. Comprehensive treatment of bronchial asthma in Children using resistol. Journal of cardiorespiratory research. 2020, vol.3, issue 1, pp.55-58

 <http://dx.doi.org/10.26739/2181-0974-2020-3-11>

АННОТАЦИЯ

Нами обследовано, 78 детей с различной степенью тяжести бронхиальной астмы в возрасте от 6-14 лет. Первая группа больных, получавшие стандартную базисную терапию и таблетку плацебо (n=35); вторая группа больных (n=43), получавшие наряду с аналогичным спектром базисной терапии был назначен препарат «Резистол» по схеме. Комбинированное использование противовоспалительных препаратов и Резистола дает выраженный эффект в плане улучшения клинического состояния детей, нормализации иммунологических, лимфоцитарных показателей у больных бронхиальной астмой.

Ключевые слова: бронхиальная астма у детей, иммунология, Резистол.

Ganiev Abdurashid Ganievich

Associate Professor, Department of Hospital Pediatrics, Andijan State Medical Institute. Andijan, Uzbekistan

Nazarov Komil Dadaevich

associate professor of the department of hospital pediatrics, Urgench branch of the Tashkent Medical Academy. Urgench, Uzbekistan

COMPREHENSIVE TREATMENT OF BRONCHIAL ASTHMA IN CHILDREN USING RESISTOL

ANNOTATION

We examined 78 children with varying degrees of severity of bronchial asthma at the age of 6-14 years. The first group of patients who received standard basic therapy and a placebo pill (n = 35); the second group of patients (n = 43), who received along with a similar spectrum of basic therapy, was prescribed the drug "Resistol" according to the scheme. The combined use of anti-inflammatory drugs and Resistol gives a pronounced effect in terms of improving the clinical condition of children, normalizing immunological and lymphocytic parameters in patients with bronchial asthma.

Keywords: bronchial asthma in children, immunology, Resistol.

Ganiev Abdurashid Ganievich

Andijon davlat tibbiyot instituti hospital pediatriya kafedrasini dotsenti. Andijon, O'zbekiston

Nazarov Komil Dadaevich

Toshkent tibbiyot akademiyasining Urganch filiali, hospital pediatriya kafedrasini dotsenti. Urganch, O'zbekiston

BRONXIAL ASTMANI KOPLEKS DAVOLASHDA REZISTOL MODDASINI QO'LLASH USULI

ANNOTATSIYA

Biz 6-14 yoshda bronxial astmaning og'irligi har xil bo'lgan 78 bolani tekshirdik. Standart terapiya asosida platsebo tabletkasini olgan bemorlarning birinchi guruh deb atadik (n = 35); shunga o'xshash asosiy terapiya spektri bilan birga qabul qilingan bemorlarning ikkinchi guruhiga (n = 43) sxema bo'yicha "Resistol" preparati buyurildi. Yallig'lanishga qarshi vositalar va Resistolni birgalikda qo'llash bolalarning klinik holatini yaxshilash, bronxial astma bilan og'rigan bemorlarda immunologik, limfotsitik ko'rsatkichlarni normallashtirish nuqtai nazaridan sezilarli ta'sir ko'rsatadi.

Kalit so'zlar: bolalarda bronxial astma, immunologiya, rezistol.

The problem of asthma continues to be relevant throughout the world, despite numerous studies and a sufficient amount of treatment and preventive measures. In childhood, bronchial asthma is one of the most common chronic diseases [1, 2, 4, 9].

According to the results of a number of researchers, the prevalence of asthma in the Republic of Uzbekistan varies from 3.1% to 8.2%, which is due not only to the influence of external regional factors, but also to the use of various diagnostic methods [1]. However, as shown by virtually all studies conducted under the ISAAC (International Study of Astma and Allergy in Children) program in all regions of the planet, the true incidence of asthma was significantly higher than official statistics [8, 9, 10]. The discrepancies between official statistics on recruitment and the results of epidemiological studies are also associated with the underdiagnosis of bronchial asthma in different age groups.

Analysis of epidemiological studies in the city of Andijan showed that in the structure of the prevalence of allergic diseases, bronchial asthma is in 2nd place (5.6 + 0.03%), yielding to allergic rhinitis (12.7 + 0.19%) [1].

Despite the use of increasingly effective means for anti-inflammatory therapy of respiratory allergies, up to a third of patients continue to complain about the persistence of symptoms of the disease even when it is carried out in an adequate age dosage.

Unfortunately, treatment with inhaled corticosteroids, being the most effective one currently used, has a number of side effects, including depression of the hypothalamus-pituitary-adrenal cortex axis, the formation of local candidiasis, and others [5, 10]. In this regard, one of the areas of pharmacotherapeutic research is the search for approaches aimed at reducing the dose of steroids used to achieve a sufficient clinical effect.

One of such approaches may be the joint appointment of traditional anti-inflammatory drugs - local corticosteroids and leukotriene receptor antagonist drugs, agents for systemic use in obstructive respiratory diseases, which are also known from the literature [6, 7].

As an example, we chose the drug Galichpharm OJSC (Ukraine, Lviv) "Resistol" oral drops, the drug "Resistol" is permitted in Uzbekistan (Order of the Minister of Health of the Republic of Uzbekistan No. 3087 dated November 12, 2018). "Resistol" contains an extract of the seed-like Pelargonium sidoides, which grows in South Africa. It is known that with oral use of the extract, there was a decrease in the signs of the disease (non-specific symptoms of the disease that occur due to infection) and antioxidant properties were manifested.

In the course of in vitro studies, the following drug actions were confirmed:

- stimulation of non-specific protective mechanisms;
- stimulation of the oscillation frequency of the villi of the ciliary epithelium;
- modulation of the synthesis of interferon and anti-inflammatory cytokines;
- stimulation of the activity of NK cells;
- stimulation of phagocytosis, expression of adhesive molecules, chemotaxis

This message is devoted to determining the feasibility of using the drug "Resistol" against the background of standard therapy of bronchial asthma in children.

Materials and methods: Under our supervision in the clinic of the department of hospital, polyclinic and emergency treatment of the Andijan State Medical Institute based on ODMMTS Andijan there were 78 children with varying degrees of severity of bronchial asthma between the ages of 6-14 years. For a prospective study, we formed two groups of patients: the first group of patients who received standard basic therapy (n = 35); the second group of patients (n = 43) who received, along with a similar range of basic therapy, received the drug Resistol on a five-day schedule (1-day 1.0 ml, 2-day 1.5 ml, 3-day 2.0 ml, 4-day 2.5 ml, 5-day 3.0 ml. Intramuscularly) with a break of 1 day, 3 times. The duration of "Resistol" therapy was 15 days. The duration of the observation of the patients of the studied groups lasted for a year. In addition to age, the criteria for inclusion in the study group were verification of the diagnosis of bronchial asthma, mild, moderate, severe disease. The exclusion criteria from the study group were severe for the disease using systemic glucocorticoids for more than 6 months.

All observed patients received hydrocortisone as a basic therapy in the form of a metered-dose inhaler. Depending on the severity of asthma, the daily dose of the drug averaged 25-50 mg. All observed patients were given a short-acting β_2 -adrenomimetic - (salbutamol). In all cases, undesirable drug reactions were recorded. Against the background of the use of the drug "Resistol" we have not registered the side effects of the drug.

The survey included monitoring peak expiratory flow rate over the entire observation period, assessing the quality of life using a specially designed questionnaire, studying mucociliary clearance (MSC), β_2 -adrenoreceptor activity, and immune status parameters. The diagnosis of bronchial asthma was set according to international criteria on the basis of detecting reversible bronchial obstruction, confirmed in functional tests. The presence of specific sensitization to atopic allergens was detected by skin allergic testing methods.

To compare the peak expiratory flow rates in children of the experimental groups with the control, we used the standards developed earlier for the metropolitan area [9]. In terms of obtaining standards of mucociliary clearance, 30 children of the same sex and age were examined. Statistical processing of the obtained material was performed using the t-criterion of reliability of differences between the Student and Oyvvin IA groups.

Results and discussion. According to the literature it is known that the effects of bronchodilation of the β -agonist and Resistol are additive. Treatment with Resistol reduces both the early and late phases of bronchoconstriction caused by antigens. It is known that in adults and children aged 2 to 14 years, treatment with Resistol significantly reduces the number of eosinophils in the respiratory tract (as measured in sputum) and in peripheral blood, while improving the clinical control of asthma. With the appointment of this drug, the metabolism of corticoid hormones in the body is suppressed, and the duration of their action increases.

Own studies have shown that in group 1 it was possible to reduce the dose of inhaled glucocorticosteroids by $13.5 \pm 3.1\%$. The positive effect of the use of the drug was to reduce the number of day and night attacks, the increase in the absolute values of PSV and reduce the pronounced variability. The majority of the most normalized indicators MCC.

Table 1.

Dynamics of indicators of peak expiratory flow rate and daily dose of IGCC in children during treatment

No	of patients treated Qty children	Qty children (n)	Need to use β_2 -adrenomimetics per/day (n)	
			Before treatment олечения	After treatment

1 gr.	Children treated with basic therapy (hydrocortisones)	35	2,45 ±0,1	2,07 ±0,1
2 gr.	Children who received basic therapy and "Resistol"	43	2,52 ±0,1	1,38 ±0,1 P <0,001

Note: P - reliability of differences in performance between groups.

From the presented own data it is clear that in the group of children who received, along with inhalation glucocorticosteroids, also Resistol, the steroid dose was reduced from 299.5 to 229.9 mcg/day, that is, by 24.7%. Ego difference was statistically significant (P <0.001). One of the criteria for the effectiveness of the treatment of bronchial asthma is to reduce the need for the use of inhaled β2-adrenomimetics. Our studies have shown that in children who received the combined treatment with hydrocortisone and Resistol, the need for the use of salbutamol was reduced from 2.07 to 1.38 per day. This difference was highly statistically significant (P <0.001).

The average peak expiratory flow rate in children who received the drug Resistol, compared with children who received only traditional therapy of asthma, was 29.7% higher even with the statistical significance of these differences (P <0.05).

If in children of the control group (group 3), the MCC index was 8.8 ± 0.2 min, then in patients with bronchial asthma before

treatment it was 15.6 ± 0.4 min (P <0.001). During treatment with hydrocortisone, the index decreased to 13.7 ± 0.3 min (P <0.001), thus differing by 1.13 times compared with the initial parameter. However, this figure was 1.15 times higher than that of children with bronchial asthma, who received, along with hydrocortisone, propionate also Resistol. In our work, we also studied biological markers of the severity of the inflammatory process in allergic diseases [2]. The levels of low and high density eosinophils have been studied (According to modern concepts, eosinophils are non-dividing granulocytes, which, like other polymorphonuclear leukocytes, are continuously formed in the bone marrow from a single stem cell. Eosinophilopoiesis and the differentiation of eosinophils from precursor cells by regulating secretion of colony-stimulating factor granulocytes and macrophages (GM-CSF), interleukin-3 (IL-3) and interleukin-5 (IL-5). In addition, IL-5 and GM-CSF activate eosinophils, inducing the

Table 2.

Dynamics of daily consumption requirements (β2-adrenomimetics per day for children during treatment)

No	Of the group of treated patients	Qty children	Indicators of PSV (l / min)		Average daily dose of IGS (mkg)	
			Before treatment	After treatment	Before treatment	After treatment
1 gr .	Children who received basic therapy (hydrocortisone)	35	190,0 ± 21,6	218,8±21,6	347,3± 23,6	299,5± 23,4
2 gr.	Children receiving basic therapy and "Resistol"	43	199,3± 21,2	259,5 ± 24,4 p<0,05	347,8±23,3 p<0,05	229,9 ± 15,7 p<0,001

transition of cells from normal density to low) [3]. As a result of combined anti-inflammatory therapy, a significant decrease in the activity of allergic inflammation was noted. Within 3,4,5,6 months from the beginning of treatment in both groups, a significant decrease in EPS was revealed. So, after 3 months from the start of therapy in patients of the 1st group, the level of ENP was 79.4 ± 13.0, while in the 2nd group - 99.6 ± 13.8 per 1000 cells. 6 months after the combination therapy, the number of ENPs in the 1st group was 54.7 ± 12.5, in the 2nd group - 883.3 ± 11.2. It should be noted that with a significant difference in ESP and EEC levels after treatment, P <0.001. As for the absolute amount of EEC, it should be noted that before treatment, their level in both groups was increased: in the 1st group - 158.2 ± 17.1, in the 2nd - 163.3 ± 12.7. 3 months after treatment, the number of EEC in patients of group 1 decreased to 129.4 ± 11.9, in group 2 - 145.8 ± 13.5.

Conclusion. Combined therapy of bronchial asthma with the use of the drug "Resistol" to a greater extent contributed to the reduction of allergic inflammation, which was manifested by a decrease in the absolute number of eosinophils, especially low density.

Thus, treatment with Resistol not only contributed to more effective rehabilitation of children with bronchial asthma, including an increase in the parameters of external respiratory function, but also favorably influenced the upper respiratory tract, contributing, apparently, to the reduction of allergic inflammation. The combined use of anti-inflammatory drugs and Resistol gives a pronounced effect in terms of improving the clinical condition of children, the normalization of immunological parameters in patients with bronchial asthma.

Список литературы/ Iqtiboslar/References

1. Azizova ND, Shamsiyev FM, Akbarova N.Ya. / Interrelation of bronchial asthma and components of the metabolic syndrome. // Tashkent. Pediatrics.-2012.-№3.-p.97-99.
2. Berestetsky AB, Leshchenko I.V., Beltyukov E.K., Popova S.D., Kardashina I.A. Differences in the properties of blood eosinophils in patients with bronchial asthma, atopic dermatitis and opisthorchiasis // Pulmonology.-2015-№4-C.34-42
1. 3.Goryachkina L. A., Tereova E. P. Idiopathic hypereosinophilic syndrome // Russian Medical Academy of Postgraduate Education, Moscow. 2018. "EFFECTIVE PHARMACOTHERAPY. Allergology and immunology" №1 (1).
3. Mizernitsky Yu.L., Tsaregorodtsev AD (Ed.) Pulmonology of childhood: problems and solutions. M. : 2012. - Vol.5. - 356 s.
2. 5.Nisheva E.C. Inhaled glucocorticoids. // C-II. - 2011. - 43 p.

3. 6.Skuchalina L.N. Bronchial asthma in children: clinical and epidemiological characteristics, optimization of diagnosis and treatment. / Abstract. Dr. honey. Of science 14.00.36.// Astana. - 2005. - 55 p.
4. 7.Shamsiev FM, Khaydarova M.Sh., Mavlonova Sh.S. / Features of autonomic disorders in children with asthma. / / Tashkent. Pediatrics.-2015.-№3.-p.134-136.
5. 8.Didonato A.J. Saatciogly F., Karin M. Molecular mechanisms of glucocorticoids. // Am. J. Resper. Crit Care Med. - 2012 - Vol. 150
6. 9.Is the pharmacology of corticosteroids in the lung modified by age? // Med. J Aust.- 2015 / Jul. four; 183 (1 Suppl): S. 47-8 ''
10. Kelly-Pieper K, Patil SP, Busse P, Yang N, Sampson H, Li XM, Wisnivesky JP, Kattan M. Herbal Formula (ASHMI): a randomized, double-blinded, placebo-controlled, dose-escalation phase I study// J Altern Complement Med. 2014 Jul; 15 (7): 735.

ЖУРНАЛ КАРДИОРЕСПИРАТОРНЫХ ИССЛЕДОВАНИЙ

JOURNAL OF CARDIORESPIRATORY RESEARCH

№3 (2020)

Контакт редакций журналов. www.tadqiqot.uz
ООО Tadqiqot город Ташкент,
улица Амира Темура пр.1, дом-2.
Web: <http://www.tadqiqot.uz/>; Email: info@tadqiqot.uz
Тел: (+998-94) 404-0000

Editorial staff of the journals of www.tadqiqot.uz
Tadqiqot LLC the city of Tashkent,
Amir Temur Street pr.1, House 2.
Web: <http://www.tadqiqot.uz/>; Email: info@tadqiqot.uz
Phone: (+998-94) 404-0000