

ISSN: 2181-4007

www.tnmu.uz

THE JOURNAL

OF HUMANITIES & NATURAL SCIENCES

GUMANITAR VA TABIIY FANLAR JURNALI

ISSUE 14
VOLUME I

2024



Informing scientific practices around the world through research and development



TIBBIYOT
NASHRIYOTI
MATBAA UYI

**Gumanitar va
tabiiy fanlar
jurnali**



**Journal of
humanities &
natural sciences**

ЖУРНАЛ ГУМАНИТАРНЫХ И ЕСТЕСТВЕННЫХ НАУК

ISSN: 2181-4007 (print)

№ 14 (09), 2024. Vol. 1

Jurnal O'zbekiston Respublikasi Prezidenti Administratsiyasi huzuridagi Axborot va ommaviy kommunikatsiyalar agentligi tomonidan ro'yxatdan o'tkazilgan (guvohnoma № 040226).

Jurnal O'zbekiston Respublikasi Oliy attestatsiya komissiyasi tomonidan 2023 yil 5 maydan tibbiyot fanlari bo'yicha dissertatsiyalar asosiy ilmiy natijalarini chop etish tavsiya etilgan ilmiy nashrlar ro'yxatiga kiritilgan (OAK Rayosatining 337-son qarorga asosan).

Журнал зарегистрирован Агентством информации и массовых коммуникаций при Администрации Президента Республики Узбекистан (свидетельство № 040226).

Журнал включен в перечень научных изданий, рекомендованных к публикации основных научных результатов диссертаций по медицинским наукам с 5 мая 2023 года Высшей аттестационной комиссией Республики Узбекистан (Согласно решению № 337 Президиума ВАК).

TIBBIYOT NASHRIYOTI MATBAA UYI
O'zbekiston Respublikasi. Toshkent shaxri. Olmazor tumani. Farobiy ko'chasi – 2. 100109
Tel.: (+998-91) 164-24-40, (+998-71) 214-90-164,
vebsayt: www.tmmu.uz, e-mail: asmehrid@gmail.com

TAHRIRIYAT JAMOASI

BOSH MUHARRIR:
D.Sc., professor
Gaybullayev Asilbek Asadovich

TAHRIRIYAT RAISI:
D.Sc., professor
Madazimov Madamin Muminovich

BOSH MUHARRIR O'RINBOSARI
D.Sc., professor
Teshayev Oktyabr Ruxillaevich

MA'SUL KOTIB
Aslonova Zebiniso Anvarovna, Ph.D, dotsent
Xegay Lyubov Nikolaevna, t.f.n., dotsent

TAHRIRIYAT HAY'ATI A'ZOLARI

D.Sc., professor Pavalkis Dainius (Litva)	t.f.f.d., dotsent Iskandarov Sherzod Abdig'anievich (O'zbekiston)
D.Sc., professor Megalhayz Tereza (Portugaliya)	t.f.n., dotsent Kadomseva Larisa Viktorovna (O'zbekiston)
D.Sc., professor Syed Naqi Abbas (Hindiston)	Ph.D., dotsent Karimdjanova Guzal Akmaljanovna (O'zbekiston)
D.Sc., professor Ayji Mano (Yaponiya)	Ph.D., professor Akramova Nozima Akramovna (O'zbekiston)
D.Sc., professor Boymurodov Shuhrat Abdujalilovich (O'zbekiston)	Ph.D., professor Gaybullayev Elbek Azizbekovich (O'zbekiston)
D.Sc., professor Shukurov Farxad Ishkulovich (O'zbekiston)	Ph.D., dotsent Iriskulova Elmira Uraimkulovna (O'zbekiston)
D.Sc., professor Ergashev Ulug'bek Yusufjonovich (O'zbekiston)	Ph.D., dotsent Abdullayeva Shakhlo Kurbanburiyevna (O'zbekiston)
D.Sc., professor Ruziev Sherzod Ibodullaevich (O'zbekiston)	f-m.f.n., dotsent Bazarbaev Muratali Irisalievich (O'zbekiston)
D.Sc., professor Nazarov Azadbek Axmedovich (O'zbekiston)	f.f.n., dotsent Oltiev Temir Jonimboevich (O'zbekiston)
D.Sc., professor Muftaydinov Kiyomidin Xamdamovich (O'zbekiston)	Ph.D., dotsent Abdukadirova Ikbol Kamaldjanovna (O'zbekiston)
D.Sc., professor Nikonova Lyudmila Ivanovna (Rossiya)	Ph.D., dotsent Xalillaev Adilbek Kurambaevich
D.Sc., dotsent Zufarov Aziz Alimjanovich (O'zbekiston)	Ph.D. Nuraliev Farid Nekkadamovich
D.Sc., dotsent Salaxiddinov Kamoliddin Zuxriddinovich (O'zbekiston)	t.f.n. Muftaydinova Shaxnoza Kiyomiddinovna (O'zbekiston)
D.Sc., dotsent Baxronova Dilrabo Keldiyorovna (O'zbekiston)	Ph.D. Turamuratova Iroda Ilxombaevna (O'zbekiston)
D.Sc., dotsent Usmanova Durdona Djurabaevna (O'zbekiston)	Ph.D. Ismailova Jadida Axmedjanovna (O'zbekiston)
D.Sc., dotsent Omonova Umida Tulkinovna (O'zbekiston)	Ph.D. Abidov Xasanxodja Alisherovich (O'zbekiston)
D.Sc., dotsent Daminova Kamola Maratovna (O'zbekiston)	Ph.D. Jo'raev Abdunazar Xatamnazarovich (O'zbekiston)
D.Sc., dotsent Velázkez Virna Vilchis (Meksika)	Ph.D. Babaraximova Sayyora Boriyevna (O'zbekiston)
D.Sc., dotsent José Ramón González García (Meksika)	Ph.D. Akromov Ulug'bek Sharobiddinovich (O'zbekiston)
D.Sc. Mahkamova Dilbar Kamaldjanovna	Ph.D. Uzbekov Timur Sakenovich (O'zbekiston)
t.f.n., dotsent Daminova Malika Nasirovna (O'zbekiston)	Ph.D. Ismailova Mahfuza Ubaydullaevna (O'zbekiston)

МУНДАРИЖА – ОГЛАВЛЕНИЕ – CONTENTS

МЕДИЦИНА И ЗДРАВООХРАНЕНИЕ

Abdullayeva N.E. / Me'da saratoni skriningi	5
Rabimova Z.Sh. / Modern analysis of norespiratory lung function and molecular mechanisms of lung injury in metabolic syndrome	8
Abdullayev U.M. / The current state of the issue of the problem urogenital chlamydia	13
Umarkhodzhaev F.R. / Jarrohlik yo'li bilan davolash uchun ko'rsatmalar, skoliozlik umurtqa deformasiyalarning tasnifi	16
Qurbaniyazova M.Z., Shonazarova O.B. / Bachadonida chandig'i bor ayollarda predgravidar tayyorgarlikni takomillashtirish	19
Bazarbayev M.I., Ermetov E.Ya., Maxsudov V.G., Bozarov U.A. / Tibbiy tadqiqodlarda statistik usullarni qo'llash	23
Наримова Г.Д., Алимова А.М., Иссаева С.С. / Роль инсулиноподобного фактора роста-1 и гормона роста при раке молочной железы	26
Хамидуллаева Г.А. / Метаболические нарушения у пациентов с гипертонической болезнью: анализ и перспективы	34
Каримова Ф.Р. / Сурункали аллергия дерматитларни даволашда фоз ёғи таркибли табиий малҳамдан фойдаланишнинг самарадорлигини баҳолаш	39
Абдуллаев Р.А. / Дифференцированное хирургическое лечения пациентов с невралгией тройничного нерва и оценка качества жизни	43
Эрназаров О.Г. / Критерии диагностики и оценка качества жизни в дифференцированном лечении пациентов с невралгией тройничного нерва	50
Султонов А.А. / Дифференцированное хирургическое лечение пациентов с грыжами поясничного отдела позвоночника и оценка качества жизни	57
Ниезова Д.Ш. / Клинические особенности холестатического синдрома у детей	64
Duschanova Z.A. / Surunkali endometrit va uning ayol reproduktiv tizimiga ta'siri	68
Нуралиев Н.А., Жабборова О.И. / Турли кўринишдаги нурланишларнинг организмга таъсир даражасини аниқлаш бўйича экспериментал моделлар яратиш асослари	73
Ismailova D.O., Musakhodjaeva D.A., Magzumova N.M. / Immune system parameters in women with genital endometriosis	80
Saidova I.Kh. / Distance psychological help: readiness of specialists and quality of services in the era of online counseling	84
Нуралиев Н.А., Игамова О.К. / Тимэктомия ўтказилган тажриба ҳайвонлари гуморал иммунитетини ва цитокин статусининг таъсири	91
Камилова Ш.Р., Наврузова Ш.И. / Оценка риска ремоделирования сердца у больных с ишемической болезнью сердца	98
Ибраимова Н.П. / Доброкачественные заболевания женских половых органов в период перименопаузы	105
Нарзуллаев Ш.Ш., Рахманов К.Э., Давлатов С.С. / Клинико – морфологическое обоснование хирургического лечения узловых образований щитовидной железы	108
Нурова Ш.Н. / Возникновение хронического диффузного пародонтита за счет остеопороза у женщин с раком молочной железы фертильного возраста	113

IMMUNE SYSTEM PARAMETERS IN WOMEN WITH GENITAL ENDOMETRIOSIS

Ismailova Dildora Oktamovna – Ph.D., associate professor
Tashkent medicine Academy Urganch Branch (Khorazm, Uzbekistan)

Musakhodjaeva Dilarom Abdullaevna – D.M.Sc., professor
Immunology and a person genomics institute AN RUz (Tashkent, Uzbekistan)

Magzumova Nargiza Makhkamovna – D.M.Sc., professor
Tashkent medicine Academy (Tashkent, Uzbekistan)

Summary. 58 patients with endometriosis were examined. Of these, 27 had adenomyosis, and 31 had external genital endometriosis. The control group consisted of 18 apparently healthy women. The parameters of the immune system (cellular immunity and cytokine status) were studied in all examined women. It was revealed that, in comparison with those of the control group, in all patients with endometriosis, the level of subpopulation composition of lymphocytes (CD3, CD4, CD8, CD16, CD20, CD45RA, CD25, CD95), as well as the level of cytokines (IL-1 β , IL-2, IL-6, IL-8, IFN γ) began to decrease to increase depending on the form of endometriosis.

Key words: endometriosis, adenomyosis, external genital endometriosis, cellular immunity, cytokines.

ИММУННАЯ СИСТЕМА У ЖЕНЩИН С ГЕНИТАЛЬНЫМ ЭНДОМЕТРИОЗОМ

Исмаилова Дилдора Уктамовна – Ph.D., доцент
Ургенчский филиал Ташкентской медицинской академии (Хорезм, Узбекистан)

Мусаходжаева Диларом Абдуллаевна – д.м.н., профессор
Институт иммунологии и геномики человека АН РУз (Ташкент, Узбекистан)

Магзумова Наргиза Махкамовна – д.м.н., профессор,
Ташкентская медицинская академия (Ташкент, Узбекистан)

Аннотация. Обследовано 58 больных эндометриозом. Из них у 27 был аденомиоз, у 31 — наружный генитальный эндометриоз. Контрольную группу составили 18 практически здоровых женщин. У всех обследованных женщин изучены показатели иммунной системы (клеточный иммунитет и цитокиновый статус). Выявлено, что по сравнению с таковыми контрольной группы у всех больных эндометриозом уровень субпопуляционного состава лимфоцитов (CD3, CD4, CD8, CD16, CD20, CD45RA, CD25, CD95), а также уровень цитокинов (ИЛ-1 β , ИЛ-2, ИЛ-6, ИЛ-8, ИФН γ) стали снижаться или повышаться в зависимости от формы эндометриоза.

Ключевые слова: эндометриоз, аденомиоз, наружный генитальный эндометриоз, клеточный иммунитет, цитокины.

Enter. To clarify the main mechanisms of the development of endometriotic foci, the study of local immune processes is of great interest [1,3,4,6]. At the same time, the study of the systemic immune response in endometriosis also provides important information about the pathogenetic factors of the development of the disease, because the functional state of the circulating immunocompetent cells can mainly reflect the direction of the immune disorders occurring at the local level [2,5].

The aim of the study was to study the characteristics of some immune parameters in the peripheral blood of women with genital endometriosis.

Materials and research methods. We observed 58 women with internal (adenomyosis) (27 women) and external genital endometriosis (31 women), whose diagnosis was confirmed at the stage of clinical and instrumental examination, including therapeutic and diagnostic laparoscopy. All patients were comparable in age, complaints, anamnesis, gynecological and non-genital pathologies, disease

level (grade II–III according to the r-AFS classification of the American Fertility Society). [4] As a control group for immunological studies, the parameters of 14 healthy women with normal reproductive function, included in scheduled surgical sterilization, were used.

Immunological studies were carried out by studying the level of lymphocytes by identifying CD3, CD4, CD8, CD16, CD20, CD45RA, CD25, CD95 groups on the surface using monoclonal antibodies of the LT series (Sorbert LLP, Moscow, Russia). The level of inflammatory (IL-1 b, IL-2, IL-6, IL-8, IFN γ) and anti-inflammatory (IL-4) cytokines in the serum was studied by the IFA method (ООО "Cytokin", St. Petersburg, RF).

The result and its discussion. The analysis of medical data showed that the age of women is between 22–38 years. A study of the duration of the disease showed that women with adenomyosis averaged 4.7 years, while in the case of external genital endometriosis it was 2.8 years.

The study of the somatic anamnesis showed that the gynecological diseases were often accompanied by dysmenorrhea, acute and chronic adnexitis, uterine myoma, colpitis, bacterial vaginosis, and non-functioning uterine bleeding.

Depending on the form of the disease, various additional symptoms of endometriosis are identified. Menstrual dysfunction in the form of DBQ (distant uterine bleeding) prevailed in women with adenomyosis and accounted for 76.5% of women, which is an irregular cycle, intermenstrual secretions (51%), heavy menstruation (19%) and bleeding (6 passed with 5%). In women with adenomyosis and external genital endometriosis, nausea (30%), vomiting (11%), fever (7%) during menstruation were most often observed, and leukocytosis (19%), high EChT (17%) and low hemoglobin (27%).

One of the serious complications of endometriosis is the absence of pregnancy for more than 1 year (primary infertility) and secondary infertility.

A study of the nature of the pain syndrome in women with various forms of endometriosis showed

that additional symptoms of this disease appear depending on the location of the bleeding sites. Thus, for 44.7% of patients with adenomyosis, during sexual intercourse the pain radiating to the anus increased (dysparunia). In 15 women with external genital endometriosis (71.4%), endometriosis was located in the back of Douglas. In such cases, women often complained of pain during defecation. As a result of the location of the focus of endometriosis on the wall of the bladder, there were complaints with pain during urination.

The results of immunological studies showed that the number of CD3 + and CD4 + lymphocytes in the peripheral blood of women with external genital endometriosis was significantly reduced, and the content of CD 16 + cells was significantly increased compared to similar data of healthy women ($R < 0.01$). Changes in the phenotypic profile of peripheral lymphocytes with adenomyosis had a different direction (Table 1). In this group of women, we observed a significant decrease in the number of CD8 + cells and an increase in the number of CD 16 + lymphocytes compared to the control group ($P < 0.05$).

Table 1.

Characteristics of the composition of the peripheral blood lymphocyte population in women with endometriosis, (M ± m)

Indicators, %	Control group, n=14	TGE, n=27	Adenomyosis, n=31
SD3+	55.8 ± 1.9	50.7 ± 1.4*	48.4 ± 1.7*
CD4+	35.6 ± 1.4	31.3 ± 1.1	28.6 ± 1.2*
CD8+	21.8 ± 1.0	20.8 ± 0.8	17.3 ± 0.6*
CD16+	13.6 ± 1.1	8.7 ± 0.5*	21.9 ± 1.3*
CD20+	15.7 ± 0.9	16.3 ± 0.7	13.7 ± 0.8
CD45RA+	54.3 ± 1.4	48.8 ± 1.2*	38.3 ± 1.5*
CD25+	18.3 ± 1.4	10.3 ± 1.4*	15.3 ± 1.4
CD95+	26.8 ± 1.6	19.8 ± 1.6*	23.8 ± 1.6

Note: * value is reliable relative to the control group ($r < 0.05$ to 0.001)

We also studied the synthesis of serum cytokines in women with external and internal endometriosis. The obtained results show that the level of IL-1 β in the group of women with adenomyosis is 3.2 times higher than the control values ($R < 0.01$). At the

same time, the level of IL-2 only had a tendency to decrease. The level of anti-inflammatory cytokine - IL-4 is 2.2 times lower than the values of the control group ($R < 0.01$).

Table 3.

Characteristics of cytokine synthesis in peripheral blood serum in women with endometriosis, (M ± m)

Cytokines, pg/ml	Control group, n=14	TGE, n=31	Adenomyosis, n=27
IL-1b	21.5 ± 2.2	73.4 ± 2.7*	69.7 ± 2.4*
IL-2	8.95 ± 1.7	5.6 ± 1.5*	7.3 ± 1.8
IL-4	20.9 ± 2.4	15.8 ± 1.6*	9.4 ± 1.3*
IL-6	27.9 ± 2.5	19.8 ± 1.4*	17.4 ± 1.0*
IL-8	16.3 ± 1.9	29.7 ± 2.3*	25.3 ± 2.0*
IFNg	18.7 ± 2.7	9.7 ± 0.9*	15.6 ± 1.0

Note: * value is reliable compared to the control group ($r < 0.05-0.001$)

IL-6 and IFN γ levels were also decreased compared to the control group ($R < 0.05$). The analysis of women with external endometriosis showed that the level of inflammatory cytokines – IL-1 and IL-8 was significantly increased ($r < 0.05$), the level of IL-2, IL-4, IL-6 and IFN γ was lower than in the control group ($r < 0.05$).

Summarizing the data we obtained on the phenotypic, cytokine profile of peripheral blood, it should be noted that the changes in the studied parameters were typical for different forms of endometriosis. It seems that systemic immune disorders in endometriosis are more related to clinical symptoms that differ for a certain form of endometriosis and to a lesser extent reflect the general mechanisms of development of ectopic endometrial foci.

REFERENCES

1. Solodovnikova N.G., Niauri D.A. The role of immune system factors in the pathogenesis of external genital endometriosis // J. Bulletin of the Federal Center for Heart, Blood and Endocrinology. V.A. Almazova.–№.6.– 2011.– Izd: Fund of High Medical Technologies ISSN: 2311-4495.– B.23–28
2. Shishkov D.N. The role of immune disorders in the development of infertility in the case of small forms of external genital endometriosis // author's abstract...kand. diss. 2007, Ivanovo.
3. Selkov S.A., Yarmolinskaya M.I., Pavlov O.V. and others. Systemic and local levels of regulation of immunopathogenetic processes in patients with external genital endometriosis // J. Obstetrics and women's diseases.–2005.–T.LIV, no. 1.–S.20–28.
4. Burney, R.O. Genetics and biochemistry of endometriosis / R.O. Burney // Curr. Opin. Obstet. Gynecologist. – 2013. – volume 25. – P. 280–286.
5. Endometriosis: an inflammatory disease in which TG2 is a component of the immune response / S. Podgaec [et al.] // Human reproduction. – 2007. – Volume 22, No. 5. – P. 1373–1379.
6. Endometriosis markers: immunological changes as a diagnostic indicator for endometriosis / H.C. Bohler [et al.] // Reproductive Sciences. – 2007. – Volume 14, No. 6. – S. 595–604.
7. Ahmedova N.M., Satimova Sh.M., Qo'zieva G.A. Tashqi genital endometriozli ayollarda uyali immunitet ko'rsatkichlarini tuzatish // Yosh olim. 2016 yil. 19-son (123). 139–141–betlar.
8. Babaeva E.I., Aryutin D.G., Novginov D.S. Endometrioid kasallik patogenezining immunologik jihatlarini // Rossiya xalqlar do'stligi universiteti xabar-nomasi. Seriya: Tibbiyot. 2016. No 2. B. 123–126.
9. Barinov S.V., Novikova E.I., Novikov D.G., Indutny A.V., Vasilenko L.N. Tashqi genital endometriozda peritoneal omillarning xususiyatlari // Akusherlik, ginekologiya, reproduksiya, 2015., T. 2, No 18–24.
10. Burlev V.A., Dubinskaya E.D., Ilyasova N.A., Gasparov A.S., Burlev A.V. Endometriozning peritoneal shakli bo'lgan bemorlarda tos bo'shlig'i qorin pardasining yopishqoqligida angiogenez va proliferatsiya. Reproktiv muammolar. 2011; 4: 10–18.
11. Diloram Musakhodjaeva, Nargiza Magzumova, Dildora Ismoilova. Immunotherapy for infertility in women with small forms of genital endometriosis// Crosstalk between Innate and Adaptive Immunity in Health and Disease. – Bangkok, Mandarin Hotel, FIMSA–2018. – 2018. – P. 133.
12. Ismoilova D.U., Musaxodjaeva D.A., Magzumova N.M. Pokazateli vrojdennoy immuniteta u jenshin s genital'nyim endometriozom // Aktualnye voprosy meditsinskogo obrazovaniya, sovremennye i innovatsionnye metody prepodavaniya. – Tashkent. – 2020. Mejdunarodnaya onlayn konferentsiya. – S.91–94. DOI 10.26739/conf_05.
13. Magzumova N.M., Ismoilova D.U., Musaxodjaeva D.A. Xarakteristika klinicheskix pokazateley u jenshin s narujnym genital'nyim endometriozom // "Profilaktik tibbiyotda yuqori innovatsion texnologiyalarni qo'llash" Respublika ilmiy – amaliy anjumani materiallari. – Andijon, 2020. – 480–b.
14. Krasilnikova A.K., Sotnikova N.Yu., Malishkina A.I., Antsiferova Yu.S., Musaxodjaeva D.A., Ismoilova D.U. Personifitsirovannyi podxod k lecheniyu besplodiya pri malyx formax genital'noy endometriozia // Jurnal teoreticheskoy i klinicheskoy meditsiny, – Toshkent, 2018, №4. – S.101–103, (14.00.00.№3).
15. Magzumova N.M., Musaxodjaeva D.A., Ismoilova D.U. Effektivnost primeneniya immunokorrigiruyushey terapii pri narujnom genital'nom endometrioze // Rossiyskiy Immunologicheskij jurnal. – Rossiya, Tom 13 (22), 2019, № 2. – S.355–388, (14.00.00.№120).
16. Ismoilova D.U., Magzumova N.M., Musakhodjaeva D.A. Changes in the subpopulation composition lymphocytes in women with genital endometriosis // International Journal of Advanced Science and Technology. – England, 2020, Vol.29, No.5. – P.2000–2007, IJAST Copyright ©2020SERSC.SCO-PUS. II b'lim (II chasty, Ipart)
17. Eshimbetova G., Musakhodjaeva D., Choriyev K., Aripova T., Magzumova N., Ismoilova D., Jumayeva D., Azizova Z. The level of cytokines in the peritoneal fluid in women with external genital endometriosis // The World Congress on Controversies in Obstetrics, Gynecology & Infertility (COGI) All About Women's Health. In partnership with Reproductive BioMedicine Online (RBMO). – Vienna, Austria, November 30 – December 2, 2017. – P.113. 50
18. Ismoilova D.U., Musaxodjaeva D.A. Magzumova N.M. Kliniko – immunologicheskie kriterii razvitiya genital'noy endometriozia u jenshin i obosnovaniya differentsirovannoy immunokorreksii// "Tibbiyotning dolzarb muammo-

lari bilan birga bolalarni to'laqonli ovkatlantirishning tamoyillari va istikbollari" Xorijiy olimlar ishtirokida Respublika ilmiy amaliy anjumani. – Urganch, 2018. – S.129– 132.

19. Musaxodjaeva D.A., Yeshimbetova G.Z., Magzumova N.M., Malikova G.B., Ismoilova D.U., Djumaev K.Ch., Fayzullaeva N.Ya., Djumaeva D.N., Azizova Z.Sh. Immunokorreksiya v kompleksnoy terapii u jenshin s narujnym genitalnym endometriozom // Medical Review, – Baku, 2018, Vol.5. – S.103.

20. Ismoilova D.U., Musaxodjaeva D.A., Magzumova N.M., Djumaeva D.N. Korrektsiya glyukozaminilmuramidpeptidom v kompleksnoy terapii narujnogo genitalnogo endometriozu u jenshin s besplodiem. // Sbornik materialov Respublikanskoy nauchno prakticheskoy konferentsii s mejdunarod-

nyim uchastiem «Aktualnye voprosy ohrany zdorov'ya materi i rebenka, dostijeniya i perspektivy». – Buxara, 2018. – S.41.

21. Diloram Musakhodjaeva, Nargiza Magzumova, Dildora Ismoilova. Immunotherapy for infertility in women with small forms of genital endometriosis// Crosstalk between Innate and Adaptive Immunity in Health and Disease. – Bangkok, Mandarin Hotel, FIMSA-2018. – 2018. – P. 133.

22. Ismoilova D.U., Musaxodjaeva D.A., Magzumova N.M. Pokazateli vrojdenного immuniteta u jenshin s genitalnym endometriozom // Aktualnye voprosy meditsinskogo obrazovaniya, sovremennye i innovatsionnye metody prepodavaniya. – Tashkent. – 2020. Mejdunarodnaya onlayn konferentsiya. – S.91-94. DOI 10.26739/conf_05.

*Журнал включен в перечень рецензируемых научных изданий,
рекомендованных Высшей аттестационной комиссией Республики Узбекистан
для публикации основных научных результатов диссертаций
по естественным и гуманитарным наукам*

Gumanitar va tabiiy fanlar jurnali
Журнал гуманитарных и естественных наук
Journal of humanities & natural sciences

Выпуск 14 (№ 09) 2024 Vol. 1

*Бош мухаррир **О.Козлова**
Бадий мухаррир **Ж.Хамдамов**
Компютерда сахифаловчи **С.Султанова***

NASH.lits. AA № 8798
«TIBBIYOT NASHRIYOTI MATBAA UYI» МЧЖ
Toshkent shahri, Olmazor tumani, Shifokorlar, 21



Издание зарегистрировано в редакционно-информационном
управлении города Ташкента.
(Свидетельство № 040226)

*Все права защищены.
Перепечатка материала возможно только с разрешения редакции.
Мнение редакционной коллегии может не совпадать с мнением автора.
Ответственность за достоверность результатов и содержание рекламных
материалов несут авторы и рекламодатели.*

Объем – 5,2 а.л. Тираж – 99. Формат 60x84. 1/16. Заказ № 2295–2023.
Отпечатано «TIBBIYOTNASHRIYOTIMATBAAUYI» МЧЖ
100109. Ул. Шифокорлар 21, тел: (998 71) 214–90–64, e-mail: rio-tma@mail.ru
№ СВИДЕТЕЛЬСТВА: 7716