

# Proceedings of International Congress on “Multidisciplinary Studies in Education and Applied Sciences”

Hosted Online from Los Angeles, California, USA on February 10th, 2023.

[www.conferencezone.org](http://www.conferencezone.org)

---

## CRITERIA FOR SELECTING THERAPY FOR PATIENTS WITH ACTINIC KERATOSIS.

**Pyagay, Grigory Borisovich**  
**Nargiza Sayfutdinovna Ibragimova**  
Tashkent State Dental Institute

**Summary:** timely treatment of precancerous diseases in all branches of medical science is beyond doubt. One of the most common precancerous skin conditions is actinic keratosis (AK).

### **Keywords:**

To date, there are many methods of treating this disease, which can be divided into conservative therapeutic and destructive.

Despite this, standards for the management and treatment of patients with AK have not yet been developed, and it can be quite difficult for a practitioner to choose an adequate therapy for a particular patient.

The results of the examination and treatment of a group of patients with 170 AK foci of various forms (erythematous, hyperkeratotic, atrophic, lichenoid, pigmented, cutaneous horn) allowed us to compare the effectiveness of both therapeutic conservative methods and destructive methods of treatment.

Based on the data obtained, we consider it appropriate to take into account such factors as the age of patients, adherence to therapy, the number of AK foci, the form of the disease, the presence of a “cancerization field” around the main focus, the degree of keratinocyte dysplasia, and, importantly, the dynamics of the disease, since there are cases of spontaneous resolution of foci of the disease. The conducted study allowed us to develop a method for predicting the development of AK, which is an important help in choosing the tactics of therapy. So, in the case of an aggressive process of AK, accompanied by an aggravation of the degree of keratinocyte dysplasia, it is worth deciding on the use of various methods of destructive treatment (cryolysis, laser ablation, electrocoagulation, etc.) or excisional biopsy of the focus. With a stable process, the patient's persistent interest in maintaining the aesthetic appearance of open skin areas, conservative therapeutic methods of therapy should be used in the form of applying diclofenac gel or imiquimod cream. The state of spontaneous regression of lesions may be the basis for the use of only emollients and permanent photoprotection.

Thus, our study allows us to more clearly formulate the criteria for choosing AK therapy in patients, which can be further used to develop standards for managing these patients.

# Proceedings of International Congress on “Multidisciplinary Studies in Education and Applied Sciences”

Hosted Online from Los Angeles, California, USA on February 10th, 2023.

[www.conferencezone.org](http://www.conferencezone.org)

---

## Literature:

1. G.B. Pyagay, K.A. Yuldashev Comparative analysis of the therapeutic efficacy of various methods of treatment of syphilis patients suffering from drug addiction News of dermatovenereology and reproductive health. 2005, No. 3-4, pp. 118-122.
2. Boris Lyuban, Bahrambek Mukhamedov, Nargiza Ibragimova, Grigory Pyagai, Miyassar Allaeva, Nilufar Malikova, Malika Solmetova cases of medical errors in the primary period of syphilis  
<http://medin.uz/index.php/jmi/article/view/71>  
<http://medin.uz/index.php/jmi/article/view/71/62>
3. Zaslavsky D.V., Sidikov A.A., Garyutkina L.V., Pyagai G.B., Alaeva M.D., Ibragimova N.S., Malikova N.N., Kozlova D.V. A new principle for the diagnosis morphea in the onset of the disease // Russian Journal of Skin and Venereal Diseases. - 2021. - Vol. 24. - N. 3. - P. 263-274.  
<https://doi.org/10.17816/dv72328> <https://rjsvd.com/1560-9588/article/view/72328>
4. G.B. Pyagay, K.A. Yuldashev Comparative analysis of the therapeutic efficacy of various methods of treatment of syphilis patients suffering from drug addiction News of dermatovenereology and reproductive health. 2005, No. 3-4, pp. 118-122.
5. Boris Lyuban, Bahrambek Mukhamedov, Nargiza Ibragimova, Grigory Pyagai, Miyassar Allaeva, Nilufar Malikova, Malika Solmetova cases of medical errors in the primary period of syphilis  
<http://medin.uz/index.php/jmi/article/view/71>  
<http://medin.uz/index.php/jmi/article/view/71/62>
6. Lapasov, O. A., & Latipov, I. I. (2022). basal cell skin cancer. historical aspects, current achievements and problems at the present stage. central asian journal of medical and natural science, 3(5), 381-391. retrieved from <https://cajmns.centralasianstudies.org/index.php/CAJMNS/article/view/1109>
7. Lapasov, O. A., Zaslavsky, D. V., Sidikov, A. A., Pyagay, G. B., Kozlova, D. V., & Gunchenko, I. V. (2022). Basal cell skin cancer. Historical aspects, current achievements and problems at the present stage. Dermatovenereology. Cosmetology, 8(1), 27-42.. <https://www.elibrary.ru/item.asp?id=48197950>
8. A.A Sidikov, A.T Makhmudov, G.B Pyagay, J.R Rikhsiboev Importance of questionnaires in the diagnosis of diseases of the urogenital tract-development of new technologies in the diagnosis and 2021  
<https://www.elibrary.ru/item.asp?id=45597101>
9. T Lotti, AA Sydikov, Z Zarrab, GB Pyagay... Aesthetic concerns in oncological dermatology: a case of successful treatment with imiquimod and interferon- $\alpha$  for primary anaplastic large-cell cd30+ t-lymphoma of the skin -

## Proceedings of International Congress on “Multidisciplinary Studies in Education and Applied Sciences”

Hosted Online from Los Angeles, California, USA on February 10th, 2023.

[www.conferencezone.org](http://www.conferencezone.org)

- 
- Journal of Applied Cosmetology, 2019  
<https://www.elibrary.ru/item.asp?id=44794514>
10. M.N Solmetova, M.D Allaeva, B.I Mukhamedov Clinical case of pseudoxanthoma elastica - Dermatovenereology. Cosmetology, 2021  
<https://www.elibrary.ru/item.asp?id=45428711>
11. D.V Zaslavsky, A.A Sidikov, L.V Garyutkina A new principle for diagnosing limited scleroderma at the onset of the disease - Russian journal of skin and venereal diseases, 2021  
[https://scholar.archive.org/work/fkgqphdcizfyjngqv7x4bqaca/access/wayback/https://rjsvd.com/1560-9588/article/download/72328/pdf\\_1](https://scholar.archive.org/work/fkgqphdcizfyjngqv7x4bqaca/access/wayback/https://rjsvd.com/1560-9588/article/download/72328/pdf_1)
12. Пягай, Г., Ибрагимова, Н., Мухамедов, Б., Маликова, Н., & Аллаева М. (2021). клинический случай поздней диагностики пигментной крапивницы. медицина и инновации, 1(1), 148–150. извлечено от [https://inlibrary.uz/index.php/medicine\\_and\\_innovations/article/view/55](https://inlibrary.uz/index.php/medicine_and_innovations/article/view/55)
13. Zaslavsky D.V., Sidikov A.A., Garyutkina L.V., Pyagai G.B., Alaeva M.D., Ibragimova N.S., Malikova N.N., Kozlova D.V. A new principle for the diagnosis morphea in the onset of the disease // Russian Journal of Skin and Venereal Diseases. - 2021. - Vol. 24. - N. 3. - P. 263-274  
<https://doi.org/10.17816/dv72328> <https://rjsvd.com/1560-9588/article/view/72328>
14. А.А Садыков, Н.С Ибрагимова, А.А Юлдашев Зуд при коморбидных состояниях - ВА ЭСТЕТИК ТИВБИЙОТ, 2015  
[https://dermatology.uz/pdf/medic\\_jurnal/Dermatologiya\\_N1\\_2015.pdf#page=29](https://dermatology.uz/pdf/medic_jurnal/Dermatologiya_N1_2015.pdf#page=29)
15. A Sidikov, D Zaslavsky, A Sadykov, N Ibragimova, M Megna, O Olisova, D Kozlova, R Nasyrov, E. Shalaeva, T Garcia The new differential diagnostic test for the lichenoid drug eruption Dermatologic therapy, 2020  
<https://doi.org/10.1111/dth.13784>
16. Вайсов А. Ш., Ташкенбаева У. А., Ибрагимова Н. С. Современные аспекты этиологии, патогенеза, течения и ранней диагностики васкулитов: обзор // Новости дерматовенерол. и репрод. здоровья. – 2007. – №. 2. – С. 88.
17. И.У Салимова, Ш.Т Аюпова, Н.С Ибрагимова аспекты псориаза в дерматологии - Spirit Time, 2020  
<https://www.elibrary.ru/item.asp?id=42780705>
18. А.А Садиков, Н.С Ибрагимова, С.И Мавлянов - частота встречаемости кожной патологии у спортсменов при проведении углубленного медицинского осмотра (умо) и степень приверженности лечению. Безопасный спорт-2019. <https://www.elibrary.ru/item.asp?id=41357327>
19. N Ibragimova, R Tregulova, N Normatova, S Djalalov-comparative analysis of the prevalence of type 2 diabetes according to the screening and register

## Proceedings of International Congress on “Multidisciplinary Studies in Education and Applied Sciences”

Hosted Online from Los Angeles, California, USA on February 10th, 2023.

[www.conferencezone.org](http://www.conferencezone.org)

- data in Uzbekistan - Endocrine Abstracts ISSN 1470-3947 (print) | ISSN 1479-6848 (online) <https://www.endocrine-abstracts.org/ea/0056/abstracts/poster-presentations-diabetes-obesity-and-metabolism/diabetes-to-include-epidemiology-pathophysiology/ea0056p342/>  
<https://doi.org/10.1530/endoabs.56.P342>
20. Normatova N., Ibragimova N. Frequency of occurrence and factors of diabetic retinopathy advancement in people with DM type 2 in Uzbekistan // Endocrine Abstracts. – Bioscientifica, 2016. – Т. 41. <https://www.endocrine-abstracts.org/ea/0041/ea0041ep520>  
<https://doi.org/10.1530/endoabs.41.EP520>
21. Ахмедова Ш.У., Абдуллаева О.И., Даминова М.Н., Алиева Г.Р., Ибрагимова Х.Н. функциональное состояние эритроцитов у детей и подростков с сахарным диабетом 1 типа на фоне микробиоценоза кишечника // нау. 2015. №4-4 (9). url: <https://cyberleninka.ru/article/n/funktsionalnoe-sostoyanie-eritrotsitov-u-detey-i-podrostkov-s-saharnym-diabetom-1-tipa-na-fone-mikrobiotsenoza-kishechnika>
22. N.N Malikova, K.Y Karimov, K.T Boboev, S.S Arifov - The CYP17A1 rs743572 gene polymorphism and risk of development and clinical features of Acne Vulgaris in the Uzbek population. International Journal of Biomedicine, 2019. <https://www.elibrary.ru/item.asp?id=38469333>
23. Arifov S.S., Erkinlar Z.E., & Malikova N.N. (2021). modern methods of acne and post-acne therapy. the American journal of medical sciences and pharmaceutical research, 3(09), 147–153. <https://doi.org/10.37547/TAJMSPR/Volume03Issue09-24>
24. Khudoykulova Farida Vafokulovna. (2022). NONALCOHOLIC FATTY LIVER DISEASE, MODERN CONSIDERATIONS. *Conference Zone*, 592–599. Retrieved from <http://www.conferencezone.org/index.php/cz/article/view/896>
25. Khudoykulova Farida Vafokulovna. (2022). No alcohol of the liver diagnostic and treatment of obesity disease modern objectives. *Conference zone*, 600–605. Retrieved from <http://www.conferencezone.org/index.php/cz/article/view/897>
26. Akbarovna, K. S. (2022). uvb therapy for the treatment of patients with chronic dermatosis. central asian journal of medical and natural science, 3(5), 676-678. retrieved from <https://cajmns.centralasianstudies.org/index.php/CAJMNS/article/view/1152>
27. Н Юлдашова. распространенность факторов риска, влияющих на прогноз заболевания больных с артериальной гипертензией. <https://scholar.google.com/scholar?cluster=14053839193412833523&hl=en&oi=scholar>

## Proceedings of International Congress on “Multidisciplinary Studies in Education and Applied Sciences”

Hosted Online from Los Angeles, California, USA on February 10th, 2023.

[www.conferencezone.org](http://www.conferencezone.org)

28. Burxanova Gulnoza Lutfulloevna. (2022). OPTIMIZATION OF REHABILITATION FOR LESIONS OF THE LOCOMOTOR APPARATUS OF ATHLETES PARTICIPATED IN CHESS. *Conference Zone*, 404–409. Retrieved from <https://conferencezone.org/index.php/cz/article/view/876>
29. Ibragimova Malika Shavkatovna. (2022). characteristics of rehabilitation of children with cerebral palsy and speech defects. *conference zone*, 410–414. retrieved from <https://conferencezone.org/index.php/cz/article/view/877>
30. Mavlyanova Z. et al. Improving the tactics of treating children with severe cerebral palsy //European Journal of Molecular & Clinical Medicine. – 2020. – Т. 7. – №. 2. – С. 2020. [https://www.ejmcm.com/article\\_2366\\_b8ee379773f1c297c6f9892b076d2d7b.pdf](https://www.ejmcm.com/article_2366_b8ee379773f1c297c6f9892b076d2d7b.pdf)
31. Ibragimova Malika Shavkatovna. (2022). effectiveness of hydrokinesiotherapy in the rehabilitation of children with spastic cerebral palsy. *conference zone*, 507–511. retrieved from <http://conferencezone.org/index.php/cz/article/view/887>
32. Абдусаломова М. А., Мавлянова З. Ф., Махмудов С. М. оптимизация медико-социальной реабилитации при болезни дюшенна. [https://scientifictext.ru/images/PDF/2019/DNO-11-52/optimizatsiya\\_1.pdf](https://scientifictext.ru/images/PDF/2019/DNO-11-52/optimizatsiya_1.pdf)
33. Abdusalomova M.A., Mavlyanova Z.F., Khamrakulova F.M., Makhmudov S.M., Ravshanova M.Z. (2021). Children with Birth Trauma of the Cervical Spinal Cord and Spine (Obstetric Plexitis) According to the Age Periods. *Annals of the Romanian Society for Cell Biology*, 7077–7085. Retrieved from <https://www.annalsofrscb.ro/index.php/journal/article/view/877>
34. Махмудов С., Мавлянова З., Жуманов Ж. Analysis bioindustries indicators of body composition of individuals at a young age, not engaged in physical culture //InterConf. – 2021.
35. Абдусаломова М А, Махмудов С М Достижения науки и образования. 2019. №11 (52). URL: <https://cyberleninka.ru/article/n/optimizatsiya-mediko-sotsialnoy-reabilitatsii-pri-bolezni-dyushenna>
36. Мавлянова З.Ф., Усманходжаева А.А., Равшанова М.З., Высогорцева О.Н., Исмаилов Ж.К. роль питания и питьевого режима в подготовке юных спортсменов, тренирующихся в условиях жаркого климата// Проблемы биологии и медицины. - 2021. №2. Том. 127. - С. 83-87. DOI: <http://doi.org/>
37. Мавлянова З.Ф., Уринов М.У., & Абдусаломова М.А. (2022). сузувчиларда нафас олиш тизимининг функционал ҳолатини ўрганиш. *conference zone*, 177–178. retrieved from <http://conferencezone.org/index.php/cz/article/view/551>



## Proceedings of International Congress on “Multidisciplinary Studies in Education and Applied Sciences”

Hosted Online from Los Angeles, California, USA on February 10th, 2023.

[www.conferencezone.org](http://www.conferencezone.org)

38. Мавлянова З.Ф., Уринов М.У., & Абдусаломова М.А. (2022). ЮРАК ҚОН ТОМИР ТИЗИМИНИНГ ФУНКЦИОНАЛ ХОЛАТИГА СУЗИШ СПОРТ ТУРИНИНГ ТАЪСИРИ. *Conference Zone*, 173–176. Retrieved from <http://conferencezone.org/index.php/cz/article/view/550>
39. Мухамедов, Б., Хаджиметов, А., & Садыков, А. (2022). взаимосвязь показателей липидного состава сыворотки крови и ацетиляторного статуса у больных вирусным гепатитом с проявлениями дерматологического характера. *research and education*, 1(9), 231–240. retrieved from <http://researchedu.org/index.php/re/article/view/976>
40. Лапасов С.Х., Хакимова Л.Р., Аблакулова М.Х., Валиева М.Х. диагностика, лечение и профилактика хронического гепатита b с позиции доказательной медицины // человек и его здоровье. 2015. №3. url: <https://cyberleninka.ru/article/n/diagnostika-lechenie-i-profilaktika-hronicheskogo-gepatita-b-s-pozitsii-dokazatelnoy-meditsiny>
41. Хакимова Л. и др. результаты оценки знаний и навыков слушателей последипломного медицинского образования посредством использования тестов множественного выбора // медицинское образование сегодня. – 2018. – с. 116. <http://elib.kirovgma.ru/sites/default/files/3-2-pb.pdf#page=116>
42. L.Khakimova, D. Abdukhamidova, M. Akhmedova, & M.Ablakulova. (2022). acne in allergic skin diseases. *texas journal of medical science*, 8, <https://zienjournals.com/index.php/tjms/article/view/1818>
43. Хусинова, Ш., & Аблакулова, М. (2017). Преддиабет. Журнал проблемы биологии и медицины, (1 (93), 215–217. извлечено от [https://inlibrary.uz/index.php/problems\\_biology/article/view/2968](https://inlibrary.uz/index.php/problems_biology/article/view/2968)
44. Камалова, Ё., Наимова, Х., Мавлянова, З., & Набиев, З. (2014). физиотерапия при острых респираторных заболеваниях у детей и подростков. журнал проблемы биологии и медицины, (3 (79), 108. извлечено от [https://inlibrary.uz/index.php/problems\\_biology/article/view/5063](https://inlibrary.uz/index.php/problems_biology/article/view/5063)
45. Камалова Ё А, Джуманов Ж А Значение лечебной гимнастики в комплексе методов физической реабилитации больных остеохондрозом поясничного отдела позвоночника // вестник науки и образования. 2020. №23-3 (101). url: <https://cyberleninka.ru/article/n/znachenie-lechebnoy-gimnastiki-v-komplekse-metodov-fizicheskoy-reabilitatsii-bolnyh-osteohondrozom-poyasnichnogo-otdela>