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SIRKA KISLOTASI TOKSIK TA'SIRIDA YUZAGA KELGAN JIGAR SHIKASTLANISHIDA SILYBUM MARIANUM YOG'INING BIOKIMYOVIY SAMARASI

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Annotatsiya: Mazkur maqolada sichqonlarda sirkaviy moddalar yordamida chaqirilgan subakut metabolik buzilishlar va ularga sutgiyohi yog'i (Silybum marianum (L.) Gaertn) bilan tuzatish imkoniyati eksperimental jihatdan o'rganilgan. Terapevtik samaradorlik qonning klinik-biokimyoviy ko'rsatkichlari – transaminazalar (ALT, AST), kreatinin, umumiy oqsil, umumiy xolesterin, glyukoza va triglitseridlar miqdoridagi o'zgarishlar orqali baholangan.

Kalit so'zlar: dori o'simlik xomashyosi, sutgiyohi yog'i, Silybum marianum (L.) Gaertn, gepatoprotektor, biologik tajriba, klinik-biokimyoviy tahlillar.

Kirish: Zararlı va xavfli ishlab chiqarish omillariga bog'liq kasalliklarda yuzaga keluvchi metabolik buzilishlarni to'g'rilash muammosi bugungi kunda dolzarbdir. Dori vositalari doimo yetarli natija bermaydi, ko'p hollarda ko'plab dorilar birgalikda qo'llanilib, bu esa nojo'ya ta'sirlar xavfini oshiradi. Shu sababli, tabiiy davolash omillari – ayniqsa o'simlik asosidagi preparatlar – metabolizmga ijobiy ta'sir ko'rsatish xususiyatiga ega bo'lib, ularning sintetik muqobillariga nisbatan xavfsizroqdir. Gepatoprotektiv xususiyatga ega dorilar – legalon, silibor, karsil, gepabene – ko'p hollarda Silybum marianum mevalaridan tayyorlanadi.

Tadqiqotning maqsadi: Sichqonlarda sirkaviy kislota yordamida chaqirilgan jigarning subakut toksik shikastlanishi fonida yuzaga keladigan metabolik o'zgarishlarni aniqlash va ularni sutgiyohi yog'i yordamida tuzatish imkoniyatlarini baholash.

Material va usullar: Tajriba uchun 180-240 g og'irlikdagi Wistar zichqonlari uchta guruhga ajratildi. 46% sirka eritmasi orqali jigarning toksik shikastlanishi modellandi. Shundan so'ng 5 kun davomida kuniga 3 mahal 0,2 ml dozada sutgiyohi yog'i berildi. Biokimyoviy ko'rsatkichlar tahlil qilinganda, sutgiyohi yog'i yallig'lanish belgilarini kamaytirgani, transaminazalar (AST, ALT) darajasini tiklagani, lipid-glukoz metabolizmini va gepatozellulyar funksiyalarni normallashtirgani qayd etildi.

Xulosa: Sutgiyohi yog‘i bilan 5 kunlik davolash kursi sirkaviy intoksikatsiya fonida jigarda rivojlangan metabolik buzilishlarni sezilarli darajada bartaraf etadi. Ushbu yog‘ tarkibidagi bioaktiv moddalarning kompleksi jigarning glyukoneogenez, lipotropik, detoksikatsion va immunomodulyator funksiyalarini faollashtiradi.

ADABIYOTLAR:

1. **Allayeva A.N.** (2023). DESCRIPTION OF DIAGNOSTIC AND THERAPEUTIC MEASURES AMONG ADULTS OF DIFFERENT AGES, SUFFERING FROM THE SALIVARY GLANDS DISEASES. American Journal of Pediatric Medicine and Health Sciences (2993-2149), 1(9), 46–49. Retrieved from http://grnjournal.us/index.php/AJPMHS/article/view/1280
2. **Allayeva A.N.** (2023). STRUCTURAL CHANGES IN LIVER TISSUE FOR SIMULATED SKIN BURNS OF RATS. American Journal of Pediatric Medicine and Health Sciences (2993-2149), 1(10), 159–163. http://grnjournal.us/index.php/AJPMHS/article/view/1987
3. **Allayeva A.N.** (2023). MORPHOLOGICAL CHANGES IN THE LIVER DURING ACETIC ACID BURNS. American Journal of Pediatric Medicine and Health Sciences, 1(10), 150–155. http://grnjournal.us/index.php/AJPMHS/article/view/1985
4. **Allayeva, A. N.** (2024). INFLUENCE OF COMPREHENSIVE TREATMENT OF PATIENTS, FOR SUFFERING WITH CHRONIC SIALODENITIS. International Journal of Integrated Sciences, 1(1). http://interspp.com/index.php/ijis/article/view/114
5. **Allayeva, A. N.** (2024). INTEGRATION OF DIAGNOSIS AND TREATMENT IN MODERN MEDICINE. International Journal of Integrated Sciences, 1(1). http://interspp.com/index.php/ijis/article/view/115
6. **Allayeva, A. N.** (2024). ПРИ КОМПЛЕКСНОЙ ТЕРАПИИ ГНОЙНО-ВОСПАЛИТЕЛЬНЫХ ЗАБОЛЕВАНИЙ ПОЛОСТИ РТА, ПРИМЕНЕНИЕ ПРЕПАРАТОВ БАКТЕРИОФАГОВ. International Journal of Integrated Sciences, 1(1). http://interspp.com/index.php/ijis/article/view/118
7. **Allayeva Aziza Nasridinovna.** (2024). SIRKA KISLOTASI KUYISHDA JIGARDAGI MORFOLOGIK O'ZGARISHLAR. TADQIQOTLAR.UZ, 38(2), 145–152. http://tadqiqotlar.uz/index.php/new/article/view/3180
8. **Allayeva Aziza Nasridinovna.** (2024). CHAYNOV MUSHAKLARINING KLINIK ANATOMIYASI PASTKI JAG’ KINEMATIKA VA DINAMIGASI. TADQIQOTLAR.UZ, 38(2), 153–157. http://tadqiqotlar.uz/index.php/new/article/view/3181
9. **Allayeva Aziza Nasridinovna.** (2024). OG'IZ BO'SHLIG'INING YIRINGLI-YALLIG'LANISH KASALLIKLARINI KOMPLEKS DAVOLASHDA

BAKTERIOFAGLARDAN FOYDALANISH. TADQIQOTLAR.UZ, 38(2), 158–161. http://tadqiqotlar.uz/index.php/new/article/view/3182

10. **Allayeva Aziza Nasridinovna.** (2024). ZAMONAVIY TIBIYOTDA TASHXISLASH VA DAVOLASHNING INTEGRATSIYASI. Лучшие интеллектуальные исследования, 20(4), 131–136. http://web-journal.ru/index.php/journal/article/view/5172
11. **Allayeva A.N.** (2024). SURUNKALI SIALODENIT BEMORLARNI KOMPLEKS DAVOLASHNING TA'SIRI. Лучшие интеллектуальные исследования, 20(4), 137–140. http://web-journal.ru/index.php/journal/article/view/5173
12. **Allayeva A.N.** (2024). ВЛИЯНИЕ КОМПЛЕКСНОГО ЛЕЧЕНИЯ ПАЦИЕНТОВ, СТРАДАЮЩИХ ХРОНИЧЕСКИМИ СИАЛОДЕНИТАМИ. INTERNATIONAL JOURNAL OF INTEGRATED SCIENCES, 1(1). http://interspp.com/index.php/ijis/article/view/116
13. **Allayeva A.N**. (2024). ИНТЕГРАЦИЯ ДИАГНОСТИКИ И ЛЕЧЕНИЯ В СОВРЕМЕННОЙ МЕДИЦИНЕ. INTERNATIONAL JOURNAL OF INTEGRATEDSCIENCES, 1(1). http://interspp.com/index.php/ijis/article/view/117
14. **Komilovna, K. M., Nasriddinovna, A. A., Jamsher o'g'li, A. S., & Jaxongirovna, N. Z. (2023)**. A Method For Assessing The Effectiveness Of Rehabilitation Of Women Of Fertile Age With Acquired Eyelid Defect. Journal of Advanced Zoology, 44, 2172–2176.
15. **L. R, J. ., A. N, A. ., & Sh. K, P. .** (2023). MAIN DIAGNOSTIC ASPECTS IN PATHOLOGICAL CONDITIONS OF THE SALIVARY GLANDS OF DIFFERENT GENESIS. International Conference on Research Identity, Value and Ethics, 472–478. https://www.conferenceseries.info/index.php/ICRIVE/article/view/1121
16. **Naimov, O. A., & Allayeva, A. N.** (2024). HEART RHYTHM DISORDERS AS A RESULT OF CHANGES IN IONIC CHANNELS. World Scientific Research Journal, 23(2), 106–116.
17. **Кандова, Ф. А., & Аллаева, А. Н.** (2023). ОСНОВНЫЕ ДИАГНОСТИЧЕСКИЕ АСПЕКТЫ ПРИ ПАТОЛОГИЧЕСКИХ СОСТОЯНИЯХ СЛЮННЫХ ЖЕЛЕЗ РАЗЛИЧНОГО ГЕНЕЗА. European Journal of Interdisciplinary Research and Development, 16, 179–188. https://www.ejird.journalspark.org/index.php/ejird/article/view/643
18. **Баева В.М.** Перспективы Применения Секвенирования ДНК для Изучения Лекарственных Растений на Примере Представителей Рода ANTHYLLIS L. Материалы Научно-Практической Конференции «Современные Аспекты

Использования Растительного Сырья и Сырья Природного Происхождения в Медицине», СЕЧЕНОВСКИЙ ВЕСТНИК № 1 (11) 2013 г.

19. **Ковтун А.В. [и др.].** Лекарственно–Индуцированные Поражения Печени. Диагностика и Лечение. Лечащий врач. Гастро-энтерология.– 2011.–№2.
20. **Шевченко Е.А.** Такие Разные Гепатопротекторы. VetPharma, 2015, №2.
21. **Кульбеков Е.Ф., Кульбекова Ю.В.** Гепатопротекторные Действия Тималина и Суспензии Красного Костного Мозга при Экспериментальном Токсическом Гепатите у Крыс. Фармация и фармакология, 2014, №5, С.24–28.
22. **Giri S., Nieber K., Bader A.** Hepatotoxicity and hepatic metabolism of available drugs: current problems and possible solutions in preclinical stages // Expert. Opin. Drug. Metab. Toxicol. – 2010. – Vol. 6 (8). – P. 895–917.
23. **Leung L., Kalgutkar A.S., Obach R.S.** Metabolic Activation in Drug-Induced Liver Injury. Drug Metab. Rev., 2012, Vol. 44(1), P. 18–33.