**UDC 619:636.8:616.62-002:612.466.69**

**EFFECTIVENESS OF PHARMACOTHERAPY OF HEMORRHAGIC CYSTITIS IN CATS**

**Franchuk-Kryva L., Krietsu R.**

**References:**

1. Sirenko, R. P., & Tsvilikhovskyi, M. I. (2021). Multytsentrove retrospektyvne doslidzhennia shchodo poshyrenosti idiopatychnoho tsystytu u kotiv u mezhakh mehapolisu. Naukovyi visnyk veterynarnoi medytsyny, (2), 123-135.
2. Franchuk-Kryva, L. O., Shkilova, K. S., & Semenchenko, N. V. (2020). Likarski roslyny z hemostatatychnoiu diieiu. In Suchasni svitovi tendentsii rozvytku nauky ta informatsiinykh tekhnolohii: materialy III Mizhnarodnoi naukovo-praktychnoi konferentsii. Odesa: HO «Instytut innovatsiinoi osvity», 101-105.
3. Belayet Hossain M. A case report on haemorrhagic cystitis in a domestic cat. A Clinical report submitted in partial satisfaction of the requirements for the Degree of Doctor of Veterinary Medicine. Khulshi, Bangladesh. 2017-2018, 1-17. URL: http://surl.li/esuchf (Date of access: 25.07.2024).
4. Brossard, C., Lefranc, A. C., Pouliet, A. L., Simon, J. M., Benderitter, M., Milliat, F., & Chapel, A. (2022). Molecular Mechanisms and Key Processes in Interstitial, Hemorrhagic and Radiation Cystitis. Biology, 11 (7), 972. https://doi.org/10.3390/biology11070972
5. Buffington, C. T., Dennis, J. C., & DiBartola, S. P. (1996). Interstitial cystitis in cats. Veterinary Clinics: Small Animal Practice, 26 (2), 317-326.
6. deVries, C. R., & Freiha, F. S. (1990). Hemorrhagic cystitis: a review. The Journal of urology, 143(1), 1–9. https://doi.org/10.1016/s0022-5347(17)39848-8
7. Dorsch R., Remer C., Sauter-Louis C., Hartmann K. (2014). Feline lower urinary tract disease in a German cat population. A retrospective analysis of demographic data, causes and clinical signs. Tierarztl Prax Ausg K Kleintiere Heimtiere, 42 (4):231-239.
8. Haldar S, Dru C, Bhowmick NA (2014). Mechanisms of hemorrhagic cystitis. Am J Clin Exp Urol., 2 (3): 199–208.
9. Kaul Elisabeth, Hartmann Katrin, Reese Sven, Dorsch Roswitha (2020). Recurrence rate and long-term course of cats with feline lower urinary tract disease. J Feline Med Surg, 22 (6): 544-556. doi: 10.1177/1098612X19862887
10. Korkmaz A, Topal T, Oter S. (2007). Pathophysiological aspects of cyclophosphamide and ifosfamide induced hemorrhagic cystitis; implication of reactive oxygen and nitrogen species as well as PARP activation. Cell Biol Toxicol, 23: 303–312.
11. Kruger, J. M., Osborne, C. A., Goyal, S. M., Wickstrom, S. L., Johnston, G. R., Fletcher, T. F., & Brown, P. A. (1991). Clinical evaluation of cats with lower urinary tract disease. Journal of the American Veterinary Medical Association, 199(2), 211–216.
12. Leslie, S. W., Hamawy, K., & Saleem, M. O. (2024). Gross and Microscopic Hematuria. In StatPearls. StatPearls Publishing. URL: https://pubmed.ncbi.nlm.nih.gov/30480952/
13. Lew-Kojrys S., Mikulska-Skupien E., Snarska A., Krystkiewicz W., Pomianowski A. (2017). Evaluation of clinical signs and causes of lower urinary tract disease in Polish cats. Vet. Med. – Czech, 62 (7): 386-393. doi: 10.17221/170/2016-VETMED
14. Lonc KM, Kaneene JB, Carneiro PAM, Kruger JM. (2020). Retrospective analysis of diagnoses and outcomes of 45 cats with micturition disorders presenting as urinary incontinence. J Vet Intern Med., 34(1): 216-226. doi: 10.1111/jvim.15683
15. Manikandan R, Kumar S, Lalgudi N. Dorairajan, Hemorrhagic cystitis: A challenge to the urologist. Indian J Urol. 2010; 26 (2): 159–66.
16. Malani N. Anurag, Kauffman AC. (2007). Candida urinary tract infections: treatment options. *Expert Rev Anti Infect Ther*., 5 (20) : 277–284. doi: 10.1586/14787210.5.2.277
17. Paliy A.P., Gujvinska S.O., Alrawashdeh M.S., Shkromada O.I., Dudchenko Yu.A., Kovalenko L.M., Plyuta L.V., Franchuk-Kryva L.O., Kushch L.L., Matsenko O.V. (2020). Selection of technological regime and cryoprotector for lyophilization of lactobacteria (Lactobacillus spp.). *Ukrainian Journal of Ecology*, 10 (4): 184-190, doi: 10.15421/2020\_186
18. Raab O, Béraud R, Tefft KM, Muckle CA. (2015). Successful treatment of Corynebacterium urealyticum encrusting cystitis with systemic and intravesical antimicrobial therapy. *Can Vet J*., 56 (5): 471-5. PMID: 25969578; PMCID: PMC4399731.
19. Relling, M. V., & Schunk, J. E. (1986). Drug-induced hemorrhagic cystitis. *Clinical pharmacy*, 5 (7), 590–597.
20. Todorov Mykola, Kushnir Volodymyr, Franchuk-Kryva Liubov, & Ulyzko Serhii (2024). Antenatal prophylaxis of acute digestive disorders in calves. *BIO Web Conf. ICABEE*, 114 (01023): 1-13 doi: https://doi.org/10.1051/bioconf/202411401023
21. West N. J. (1997). Prevention and treatment of hemorrhagic cystitis. *Pharmacotherapy*, 17(4), 696–706.