

ADDRESS TO READERS

Dear readers and authors of the “Vestnik of NovSU” scientific journal!

Publications in scientific journals reflect the level of development and the current state of medical science, which indicates the importance of scientific medical information. Given the rapid introduction of innovations in medical science and practice, the need to improve the qualifications of a doctor is beyond doubt, and the role of a scientific and practical journal in this process is invaluable. The significant role of the journal in the educational space, as a scientific and practical publication, attracts authors from different cities and countries, contributes to the education of medical personnel in the region, positions science as a platform for developing innovations for implementation in clinical practice, provides an opportunity for students and young professionals to become active members of the global scientific network. The pages of this issue discuss a wide range of issues of medical and biological science. In the next issue, we present to your attention a number of interesting articles for the professional community on modern research in the field of medicine.

A promising direction is the joint development of various scientific schools. Of considerable interest is the article by the authors T. S. Zamolodchikova, S. M. Tolpygo and A. V. Kotov (Moscow, Veliky Novgorod), devoted to the participation of serine proteases in neuroplasticity and behavior regulation. The authors believe that the involvement of serine proteases in morphological and functional synaptic plasticity may underlie cognitive processes, including learning and memory in animals and humans. Research into problematic issues regarding the use of senolytics continues. Authors A. A. Yakovlev, Yu. G. Vasiliev, G. V. Shumikhina, D. S. Berestov (Izhevsk) presented convincing experimental material on the combined use of peptide-based senolytics (FOXO4-DRI) with doxorubicin. A study that, in our opinion, has serious prospects for the study and development of drug therapy for oncopathology. The combined use of senolytics together with chemotherapy drugs has been used for a long time (quercetin and dasatinib), however, the combination of peptide-based senolytics (FOXO4-DRI) with doxorubicin seems to be one of the most effective in terms of reducing the number of side effects. The authors noted a moderate protective effect of the senolytic peptide on the liver cell population, a decrease in the degree of leukocyte infiltration, and a decrease in the degree of fatty infiltration. Of particular interest to specialists may be scientific publications on diseases of children. The article by N. G. Larina, K. N. Pavlova, E. V. Naumova and A. D. Balashova (Veliky Novgorod) presents a clinical case of B12-deficiency anemia in combination with active cytomegalovirus infection in a one-year-old child. In the described case, severe megaloblastic macrocytic anemia was combined with generalized cytomegalovirus infection, which aggravated the course and prognosis of the disease. Another study (authors – Yu. V. Bykov and V. A. Baturin, Stavropol) reveals a correlation between the content of autoantibodies to melatonin receptors and the chronic course of the disease (duration of the disease, number of exacerbations in history). The topic of childhood oncopathology is discussed in the article by A. B. Ershevskaya and

D. S. Isaeva (Veliky Novgorod), dedicated to a rare malignant embryonic neoplasm of the kidney – nephroblastoma (Wilms tumor).

The results of treatment of patients with obstructive jaundice of non-tumor etiology are disclosed in a scientific article by V. R. Veber, M. D. Kashaeva, A. V. Proshin, D. A. Shvetsova, T. K. Dubova, S. V. Buikin and A. N. Bochkareva (Veliky Novgorod, Moscow). The authors proved that lymphatic drainage operations in combination with endoscopic biliary decompression help to reduce porto-lymphatic pressure, sanitize the biliary tract, reduce endogenous intoxication, and improve treatment outcomes. The new coronavirus infection remains an important topic of the issue. So, in the study of E. E. Rumyantseva, K. Yu. Kartysheva, S. V. Merbach and A. K. Iskandaryan (Veliky Novgorod) assesses the severity of the condition in patients with the main diagnosis of "new coronavirus infection caused by the COVID-19 virus", complicated by the development of community-acquired bilateral polysegmental viral pneumonia of moderate severity according to laboratory parameters in the blood serum with an additional assessment of the influence of such a factor as the presence of an obese patient. Another paper (by V. V. Afanasyeva and A. A. Potapchuk, St. Petersburg) analyzed the program of respiratory rehabilitation of patients who had a new coronavirus infection caused by COVID-19 virus.

We have outlined only a few works, but the topics of the articles in the current issue are very diverse and represent the results of the most relevant research in medical science. On behalf of the editorial board of the journal, we express our deep gratitude to all authors, editors, reviewers, experts, through whose efforts the "Vestnik of NovSU" scientific journal becomes more interesting for our readers! We invite researchers and practitioners to cooperate with the "Vestnik of NovSU" journal as authors and reviewers of scientific publications.

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