

## EDITOR-IN-CHIEF'S PREFACE TO ISSUE 4, 2022

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Dear readers!

We would like to present you a new issue of our journal.

There are few notable features in this release that are worth paying attention to. The first one is the publication of an article in English by the Russian author M.A. Novikov from Angarsk. The paper is devoted to the effect of forest fire smoke on spermatogenesis. Let's hope that this language experiment will be successful and will be followed by a series of such publications as the first stage of the planned translation of all issues of the journal into English.

The second one is the publication of a discussion article by V.A. Shcherbak and V.V. Kocherova from Chita with a critical analysis of an article we had previously published. This is a very important sign of the openness of the journal and its popularity. Speaking of popularity: an editorial from the 2nd issue of this year by a team of authors led by Corresponding Member of the RAS K.A. Zykov was an undeniable success – it had more than 4,000 views!

And the third thing that I would like to draw the attention of our readers to is the growth in the number of publications presented by interdisciplinary joint teams of authors from different cities and different departments.

As a scientist who has devoted many years to experimental work, two works seemed interesting to me, one of which I advised to open this issue with. This is a review by N.A. Ishutina and I.A. Andrievskaya from Blagoveshchensk, dedicated to the study of the role of certain lipids and their metabolites in apoptosis (lipopapoptosis), which can help in the development of therapeutic strategies for the prevention of a number of diseases associated with apoptosis dysregulation.

The second work is promising for advancement in practice – this is an experimental study by A.V. Popkov et al. (Kurgan, Tomsk) on elastic implants made of polycaprolactone, including hydroxyapatite, to stimulate the healing of bone defects.

Another experimental work by Yu.I. Sysoev et al. from St. Petersburg is devoted to the search for methods for recording and analyzing somatosensory evoked potentials for assessing the functional state of the brain pathways after cerebral ischemia.

Several articles in the issue are devoted to the analysis of the effectiveness of treatment and the consequences of using a number of surgical technologies. Among such articles, I would single out the work of A.E. Krivoshein et al. from Omsk and Irkutsk, which proved that bisegmental stabilization in the upper segment is effective within 36 months and reduces the risk of developing degenerative disease of the adjacent disc.

V.A. Vorobev et al. (Irkutsk) in a comparative assessment of the outcomes of laparoscopic lithotomy and retrograde lithotripsy in the surgical treatment of calculi in the proximal part of the ureters proved their similar effectiveness and number of complications.

In the current situation, the article of the group of authors headed by M.I. Mikhailichenko from Chita on the search for markers of prerenal kidney damage in patients with local cold injury, which showed that with frostbite III–IV degrees, the level of lipocalin and serum creatinine in the blood increases, and in direct proportion to the volume of tissues affected by cold.

The research by A.Yu. Tikhonova et al. from Cheboksary on the greater effectiveness of combined therapy with different wavelengths of the laser for the chronic form of central serous chorioretinopathy is also very important.

There is also an interesting work by S.V. Yankovskaya et al. from Novosibirsk, who showed that a decrease in free testosterone and dehydroepiandrosterone sulfate is associated with the early progression of atherosclerosis and the risk of cardiovascular events in men, which can aggravate the course of hypertension.

Studies of the problems of the functional state of shift workers in logging in the Far North (Korneeva Ya.A. et al. from Arkhangelsk and Moscow) are important for organizing the work of shift workers. Article by N.S. Shipova and T.P. Opekina from Kostroma is devoted to the analysis of the specifics of self-realization of people with typical and atypical development and demonstrates that these groups have different areas of self-realization, which should be taken into account in the organization of work with such patients.

Our journal traditionally publishes articles by scientists from neighboring countries. In this issue T.Zh. Tagaev et al. from Kyrgyzstan report a higher than expected prevalence of osteopenic syndrome and osteoporosis in the older age group of the republic's residents.

Two articles are devoted to the epidemiology of the Irkutsk region. Article by N.A. Kravchenko et al. uses a new approach that has proven the correlation of the incidence of community-acquired pneumonia in different seasons of the year with the location of educational institutions in the city. Article by I.L. Petrunko and N.V. Sergeeva draws attention to the fact that a significant factor influencing disability rates are changes in the normative documents on the establishment of disability, starting from 2014.

It will be interesting for healthcare organizers to get acquainted with the facts and proposals of authors from Perm (Shtina I.E. et al.) on the prevalence of thyroid diseases in children and adolescents living in the Perm Territory, as well as authors from Perm and Moscow (Lisichkin A.L., Sandakov Ya.P.) on the specifics of the provision of coloproctological care, taking into account regional morbidity.

For urologists and doctors, the lecture by K.B. Lelyavin on chronic scrotal pain.

In conclusion, I want to note that, despite the fact that I do not quite welcome the publication in our journal of articles on isolated cases from practice or a description of the use of registered drugs for their intended purpose, which can be justified by the uniqueness of the event or the novelty of the technology (for which, I am sure that our reviewers also pay attention), but, nevertheless, I believe that such articles will definitely find their reader.

As always, we wish you success, new scientific discoveries and achievements!

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