

## EDITOR-IN-CHIEF'S PREFACE TO ISSUE 2, 2022

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Dear readers!

We bring to your attention the next issue of our journal.

It is opened by the **"Article of the issue"** chosen by me. It was created by a team of scientists united by Professor of the Russian Academy of Sciences Zykov K.A. They represent the Pulmonology Scientific Research Institute of under Federal Medical and Biological Agency of the Russian Federation, several Moscow federal medical and technical universities and the private clinic MED-SI. Now it is rare to find evidence-based clinical work by Russian authors, distinguished by world novelty in the development of treatment methods. This is especially true for the new coronavirus infection. And these authors for the first time in the world proved the effectiveness of ultra-low (non-cytotoxic) doses of the alkylating drug melphalan for the treatment of COVID-19 with associated lung injury.

A number of articles are devoted to **ophthalmic pathologies and their correction**. I found it interesting to review of Zhukova S.I. and Iureva T.N. on optical coherence tomography in the diagnosis of glaucoma in children, actually continuing the historical work of the Irkutsk ophthalmologist Z.G. Frank-Kamenetsky, and an article from Khabarovsk by Povalyaeva D.A. et al. on the use of immunotherapy in the treatment of acute optic neuritis. Of course, this does not detract from the dignity of other works on ophthalmology in this issue.

Several articles in the issue are devoted to **surgical methods for correcting** various pathological conditions and the long-term consequences of such interventions. Important for planning regional surgical activity is the work of Koryak V.A., Botvinkin A.D. and Sorokovikov V.A. from Irkutsk. Specialists will be interested in the article by Tseymakh E.A. et al. from the Altai State Medical University on the analysis of the assessment of the quality of life after operations for the correction of achalasia of the cardia of the stomach, as well as the article by Styazhkina S.N. et al. from the Izhevsk State Medical Academy on a comparative assessment of the quality of life of patients with autoimmune and post-operative hypothyroidism. Miromanov A.M. et al. from the Chita State Medical Academy analyzed the molecular genetic mechanisms of reparative regeneration of bone tissue, including in violation of fracture consolidation.

Several works are devoted to the **molecular metabolic aspects** of various nosologies. Kibalina I.V. et al. from Chita and Irkutsk revealed in atopic dermatitis in the skin exudate a high level of the chemokine MIG/CXCL9, which the authors consider an important link in pathogenesis. In the review by Kytikova O.Yu. et al. from Vladivostok showed the role of neurotrophins (NGF) in the processes of myocardial remodeling. A large amount of material that can be analyzed from different positions is given in the article by Yu.S. Gergenreter et al. from Moscow and Saratov (including Institute for Precision Mechanics and Control Problems of the RAS and the Saratov Medical University Reaviz). They analyzed the cytokine profile of blood serum and supernatants of biopsy specimens of malignant tumors of the mammary gland, which can expand the diagnostic possibilities for assessing the degree of activity of the tumor process. The article by L.A. Ashrafyan et al. from National Medical Research Center for Obstetrics, Gynecology and Perinatology named after Academician V.I. Kulakov, Chita State Medical Academy and Scientific Centre for Family Health and Human Reproduction Problems (Irkutsk), who showed that the determination of local levels of B7.2, PD-L1, sCD27 before treatment can be used to predict cervical cancer recurrence during three

years of follow-up. In this section, I would include an article of Asanov M.A. et al. from Kemerovo on a comparative analysis of bacterial flora isolated from peripheral blood and valvular heart structures of patients with infective endocarditis, which allows optimizing antimicrobial therapy.

From the point of view of expanding the **possibility of diagnostics**, the article by E.A. Borodulina, Kudlay D.A. and Kuznetsova A.N. from the Samara State Medical University, Sechenov University and the Institute of Immunology on the use of the T-SPOT.TB test to detect latent tuberculosis in HIV-infected patients is of interest for the specialists.

A number of articles are devoted to **infectious and non-infectious epidemiology**. These are articles by Leshchenko Ya.A. et al. from Angarsk and Irkutsk, Zotov S.V. et al. from Novosibirsk and Novokuznetsk (the active participation of non-budgetary organizations in this study is notable), as well as a review by Makhovskaya T.G. et al. from medical institutions of the Department of Presidential Affairs and the Tver State Medical University on the topical issue of postural disorders in elderly patients.

Important for planning preventive measures in the regions of the Russian North are the data given in the article by Averyanova I.V. from the Scientific Research Center "Arktika", regarding the formation of the somatometric status of modern working-age northern men – a disharmonious somatotype with a tendency to sarcopenia, an increase in the proportion of people with overweight and obesity, which is a risk of developing non-communicable diseases.

Two articles from the Moscow City University – by Savenkov A.I. et al., and by Stepanov S.Yu. and Orzhekovskiy P.A. – are devoted to the **individualization of learning and the formation of competencies among schoolchildren and students**. I also hope for attention to the article by Evert L.S. et al. from Krasnoyarsk and Abakan, who revealed the age-gender and ethnic characteristics of online behavior and the structure of content consumed among Abakan adolescents, which makes it possible to identify target groups requiring medical and psychological assistance.

As a scientist of an older (even very) age, but retaining productivity, I was interested in data of the article by Postavnev V.M. et al. from the Moscow City University and the National Research University Higher School of Economics. They found that in the **scientific work of older scientists** there are several productive periods, the so-called microacme. At the same time, the peak achievements of scientists are spaced apart in time and are associated with the optimal combination of prerequisites and conditions for scientific creativity. I hope that our high leaders will provide us with such conditions.

**Somewhat unusual for our journal** is the publication of two articles from Irkutsk State University by Grabelnykh T.I. et al., and Goltsova E.V. devoted to social and socio-demographic factors of social development and the correlation of a person with the surrounding social environment. We hope you find the articles helpful. If not, we are waiting for your criticism.

Scientific success and optimism to you! All the best!

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