

EDITOR-IN-CHIEF'S PREFACE

EDITOR-IN-CHIEF'S PREFACE TO ENGLISH VERSION OF ISSUE 1, 2023

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Dear readers!

Having studied the articles presented in this issue, I was not able to single out one leading article, since most of the published works are works of approximately the same, high level. Therefore, I will focus on those articles that may be of interest not only to narrow specialists, but also to a wider readership.

I will start with articles related to infectious pathology, which has not left the front pages of both scientific journals and popular publications. This applies to both COVID-19 and its consequences, as well as the newly threatening A/H1N1 influenza.

First of all, this is an article by D.D. Bryukhova et al. (Irkutsk) on the dynamics of humoral immunity in children during the spread of COVID-19. They proved the high intensity of the hidden epidemic process and the formation of relatively stable immunity, which, in my opinion, requires a separate discussion in terms of the proposed vaccination of the child population. In the work of T.I. Petelina et al. (Tyumen) it has been shown that the nature of the development of both psychological and cardiovascular complications after COVID-19 is determined by a prolonged vascular response, a violation of the rheological and metabolic properties of blood.

Naturally, the spread of infections requires the use of methods for assessing their possible dynamics, the formation of immunity and the correction of emerging disorders. Article by A.V. Malyarchikov and K.G. Shapovalov (Chita) is devoted to the increased risk of developing organ failure in severe pneumonia with *TLR4* Asp299Gly gene polymorphism in influenza A/H1N1. And in the work of V.Yu. Malygina et al. (Simferopol) revealed that the introduction of tauroside Sx1 saponin positively affects the functional activity of the spleen when mice are infected with the H1N1 influenza virus.

The review of A.M. Ziganshin et al. (Ufa, Chita) proves the prospects of using CRISPR-Cas9 technology in the prevention and treatment of certain viral diseases. Article by E.Yu. Zyablitskaya with co-authors-scientists and medical practitioners from Simferopol and Moscow showed the effectiveness of using the Tigrat-est® SARS-CoV-2 ELISPOT method to detect latent forms of coronavirus infection.

The problem of tuberculosis, including its comorbidity with HIV infection, does not leave the scientific agenda of our country, which is the subject of the article by E.A. Borodulina et al. (Samara). There is also a problem with the diagnosis of pseudotuberculosis and its outbreaks, as evidenced by the article by T.Yu. Zagoskina et al. (Irkutsk) on the use of dot-immunoassay for express identification of *Y. pseudotuberculosis* cultures.

It seems to me that the attention of readers will be attracted by the article by N.B. Semenova et al. (Krasnoyarsk, Novosibirsk) on the prevalence of psychosomatic comorbidity of eating disorders and especially subthreshold eating disorders in schoolgirls aged 11–17 years. A feature of clinical manifestations is the frequent absence of underweight and comorbidity with pain. I hope that you will also be interested in the article by E.A. Gorobets and O.R. Esin (Kazan) regarding the relationship between the level of alexithymia in adolescents and various somatic diseases, which should be taken into account when assessing the level of alexithymia and central sensitization in adolescents with headaches.

Several articles are devoted to the development and use of methods of non-drug intervention in various diseases and their modeling. These are the works of N.S. Tribat et al. (Simferopol, Kazan) on the effect of a glucose-electrolyte drink with plant antioxidants on the performance of the arteries of the vertebrobasilar basin after a step-increasing load. Article by A.E. Shoboev et al. (Bokhan, Ir-

kutsk) proves that the method of reflexology in comparison with physiotherapy is more effective for restoring the function of swallowing in the post-stroke period.

Several articles are devoted to surgical problems and their experimental modeling. The work of M.M. Bikbov et al. (Ufa) shows the effectiveness of dosed muscle-conjunctival resection of the cartilage of the upper eyelid in patients with partial ptosis of the upper eyelid. I would also single out the work of M.S. Denisko et al. (Tomsk) on the analysis of efficacy and cytokine profile in personalized cell therapy for endothelial-epithelial corneal dystrophy.

I.A. Stepanov and V.A. Beloborodov (Irkutsk) proved that the spinal fat index allows predicting the risk of developing septic spondylodiscitis after percutaneous laser decompression of the lumbar intervertebral discs, which is important to use in preoperative preparation.

A number of works are devoted to surgery of the gastrointestinal tract: P.V. Kolyadko et al. (Nizhnevartovsk, Omsk) described the use of a longitudinal resection of the stomach to reduce body weight and compensate for type 2 diabetes mellitus; article by V.A. Gankov et al. (Barnaul) is devoted to the surgical treatment of strangulated diaphragmatic hernias.

One of the few experimental works in this issue is an article by S.V. Notova et al. (Orenburg) devoted to the actual problem of the emerging imbalance of microelement composition, including zinc, in the blood and liver of rats with a high-calorie diet.

Rare for our journal (unfortunately) is an important article for healthcare organizers from Barnaul (Kolyado E.V. et al.) on the use of digital technologies and the creation of a system for working with undesirable events and making management decisions to eliminate and prevent them.

As always, this issue contains interesting reviews and meta-analyses on various clinical and historical issues presented by authors from Irkutsk, Kurgan, Tver, Volgograd and Yekaterinburg.

Many thanks to the authors for the work done and interest in our journal, and to the reviewers for qualified reviews in a short time.

Thanks to you, the journal is becoming better and more popular, as evidenced by the attendance of its website.