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EDITORIAL

Respected colleagues!

We are all extremely concerned about the social, ecological and economic situation that has arisen in many countries of the world (regardless of their civilization, economic development, social conditions), as a result of the pandemic caused by COVID-19.

Even a relatively short-term experience, during which the medical community is confronted with coronavirus, most likely excludes the seasonal nature of this disease (in contrast to the infectious process caused by various influenza viruses pathogenic for humans). The chronological nature of the COVID-19 continues to be a big question, i.e. in other words, whether the infectious process has a cyclical wave-like nature, with temporary periods of decreasing and increasing of the frequency of cases. The "fate" of the long stay of the coronavirus in the macroorganism is unclear, as a result of which (also as a result of autogenous reinfection) the question of re-infection remains open.

The long-term human experience in the study of the immunopathogenesis of the infectious process caused by influenza viruses pathogenic for humans should alert us, since the following question also remains open - how long and persistent the immunity, which is "acquired" as a result of COVID-19 persistence, will be.

In this regard, we consider it appropriate to share with You some of our considerations. The vaccination process, as we all have known for a long time, turned out to be generally effective in a number of infectious diseases: smallpox, tuberculosis, diphtheria, whooping cough, poliomyelitis, etc. At the same time, various commercial vaccines against influenza viruses pathogenic for humans, produced for many years, should hardly be considered effective.

All of the above dictates, in our opinion, to change the tactics of combined treatment and prevention of COVID-19, also taking into account concomitant diseases.

In our opinion, in addition to conducting studies aimed at obtaining effective vaccines, scientific researches should be directed to the attempts to inhibit the processes of transcription, translation and replication of coronaviruses with the same factors (biologically active metabolites of macroorganism cells) that viruses use for their replication.

In addition, the subject of special study in case of coronavirus should be the food ration. It is suggested to exclude specific nutritious products containing biologically active substances similar to those produced in the target cells of the macroorganism and those that are "utilized" by viruses for their replication.

We appeal to you to get actively involved in the discussion process, which will touch upon all the above issues related to diagnostics, pathogenesis, clinical course, treatment and prevention of coronavirus.

In view of the problem topicality, review and original articles submitted to our editorial office will be published as soon as possible. Until the end of 2020, in subsequent editions of our journal, two of our publications will be presented to your attention, which will reflect aspects of the possible pathogenesis of coronavirus infection associated with impaired polyamine metabolism, as well as the recommended diet based on the selective use of food products with a low polyamine content and the presence of substances in them that inhibit the synthesis of polyamines.

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Editor in Chief,
Head of the Scientific Research Center, YSMU,
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Executive Secretary of the Journal
Head of the laboratory of immunoassay research

To overcome it
is possible, due to the
uniting the knowledge and
will of all doctors in the world

P.S. *The morphology and enzyme immunoassay laboratories of the YSMU Scientific Research Center have all the necessary conditions for performing biochemical (HPLC, IFA) and immunomorphological studies aimed at studying the role of aliphatic polyamines in the pathogenesis of a number of somatic diseases, including infectious genesis. We are glad to cooperate with interested researchers.*