

Management Experience in Fighting with COVID-19 and Other Aspects of Counteraction

Evgeniy Bryndin¹, Irina Bryndina².

1 Research Department of Research Centre "NATURE INFORMATICA" of Technological Platform Future Medicine, Novosibirsk, Russia.

2 Pediatric Faculty of Novosibirsk State Medical University, Novosibirsk, Russia.

***Corresponding Author:** Evgeniy Bryndin, Research Department of Research Centre "NATURE INFORMATICA" of Technological Platform Future Medicine, Novosibirsk, Russia.

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Abstract

Testing is central, early detection of the virus minimizes its further spread and allows rapid treatment of the sick - said the head of the South Korean Ministry of Foreign Affairs Kang Gyeong Hua. He believes effective management and tests are key to our very low mortality rate. South Korea's health and public administration system was able to quickly protect the population from COVID-19 without the imposition of emergency measures. The adviser to the Swedish government and the Secretary-General of the World Health Organization, Yuhan Gizeke, told the RBC in an interview on May 5, 2020 that the authorities of the country relied on two measures in the fight against coronavirus whose benefit has scientific justification. First, we need to wash our hands, which we've known for 150 years. Second, social distance should be respected, that is, not to get too close to other people. Until May 5, 2020, Sweden recorded only 23216 cases of coronavirus infection.

Keywords: covid-19; to work quickly; to do many tests; biogenic health maintenance in ontogenesis

Introduction

An outbreak of COVID-19 disease caused by SARS-CoV-2 virus occurred in Wuhan, China, in late December 2019. Outside China, the disease has been diagnosed in patients in more than 190 countries. On March 11, the World Health Organization (WHO) declared a coronavirus pandemic. At the beginning of the spread of the infection, South Korea became one of the major hotbeds of the disease outside China. South Korea has proved by its example that the virus can be contained without stopping the economy.

A week after identifying the first infected, on January 27, South Korean authorities met with representatives of more than 20 medical companies and urged them to immediately begin developing tests for mass production. The first set for the test, made by Kogene Biotech Co., received government approval on February 4. At that time, there were only 16 cases of virus COVID-19 in the country. Delivery of tests began three days later. To relieve the increased burden on hospitals, 633 centres have been set up in the country, designed for coronavirus testing only, including 50 stations in parking lots in which people can pass the test without leaving their cars. There they fill out the questionnaire, they measure the temperature and take a smear from the throat. The process takes about 10 minutes. Samples that are stored in sealed containers at 4°C are delivered in vans to 118 laboratories. Test results are reported within hours.

Unfortunately, many countries at that time showed little vision, willingness and managerial will to protect the population from COVID-19. This required heavy costs, emergency measures and resulted in heavy casualties.

The introduction and management of the COVID-19 pandemic in Russia began with delay and not very professionally. Academician of the Russian Academy of Sciences, Professor, Chief Freelance Epidemiologist of the Ministry of Health of the Russian Federation, Nikolai Bric in an interview with the Russian newspaper on May 4, 2020 pointed out that the most active spread of infection occurs in close contacts in the family, in places of large population of people and organized collectives with long stay of people (military collectives, educational institutions, homes for the elderly and other public places. For example, in Cherepanov district of Novosibirsk after the identification of the patient with coronavirus tested the whole circle of her contacts and registered 11 more sick. Regional medicine tested infected coronavirus with symptoms, and a month later began testing not only the sick, but their surroundings. Which allowed to identify the number of people without symptoms infected with coronavirus.

Spiritual and naturalistic aspects of the safety of the population from COVID-19

Autonomous contactless infections of people by coronavirus in different countries at the same time, according to many scientists and the WHO, suggest its natural origin. According to some experts, coronavirus originated in bats. Coronavirus reproduction occurred within the cells of organisms of various animals. It is likely that migratory feathers became global intermediate sources of infection spread in different countries when coronavirus began to be transmitted to people from them. Then the human population became the source of the pandemic by the spread of coronavirus. The carriers of it were asymptomatic citizens.

According to spiritual laws, the cause of COVID-19 is the spiritual state of society. The spiritual level of humanity is falling. Harmful passions take a person away from normal life. The pernicious passion of one person breeds it in other people. The accumulated harmful passions of mankind under spiritual laws in 2020 were the cause of the global coronavirus. The creator made people free to improve life according to spiritual laws. Religious denominations must teach their people to live by them. For example, populated India has a very low infection rate.

COVID-19 suspended the destructive life of mankind and spread people around their corners to think about their way of life and change it to spiritual healthy life. Spiritual processes are also important during the pandemic. A healthy spiritual lifestyle increases the immunity of the body.

Two approaches are formed to treat citizens infected with coronavirus COVID-19, first, functional immunological, and, second, structural genetic. As part of the scientific study, the dynamics of immunological indicators in patients of different ages who have suffered pneumonia caused by COVID-19 are studied. The results of the study reveal indicators indicating the presence of "immune protection" (and the degree of its expression) against COVID-19. There is also a period of time through which "immune protection" is formed and how long it exists in case of contact with COVID-19. On the basis of the identified indicators

vaccines for protection against coronavirus COVID-19, as well as drugs for immunity-enhancing treatment are developed. Research by Chinese scientists shows that antibodies (immunity) are poorly produced in the light stage of disease. A mild patient is cured by interferons that the body produces. Only antibodies (immunity) are produced in severe form.

Russian scientists managed to decrypt the full COVID-19 genome. It will also help in the development of vaccine and antiviral drugs. And also - the origin and mutations of the virus will no longer be a mystery. This makes it possible to observe how the agent changes. Experts from South Korea were able to determine the life cycle of the virus. This helped them develop methods to combat it.

In Novosibirsk center of virology "Vector" managed to photograph COVID-19. The size is about 100 nanometers, which is billions of dollars of a meter. Around the round spot of the "crown," thanks to which the virus got its name. Masks are weakly protected during dialogue at close range.

The genome of the virus aims to constantly deceive the immune system. Coronavirus can affect the lungs of even those people in whom the disease flows without symptoms. Scientists have found that genes of the human immune system affect the course and response to the treatment of coronavirus infection. This discovery will allow the release of genetic Covid tests and in the future "targeting" the use of Covid-19 vaccines. The discovery of Russian scientists will allow to determine the tactics of treatment and what vaccine to use. Scientists have found that only 30 percent of patients who have suffered from COVID-19 have blood serum suitable for the treatment of seriously ill patients.

In some patients, the development of acute respiratory syndrome caused by a new type of coronavirus causes complications of internal organs. Experts at the Center for Reproductive Medicine at Tunji Hospital in Hong Kong, as in Singapore, found that coronavirus of a new type can lead to infertility in men who overburdened coronavirus COVID-19. The virus continues to be actively investigated by all laboratories and scientists in the world, and a complete list of all COVID-19 of coronavirus has yet to be established by scientists.

Scientists from the American biopharmatology company Sorrento Therapeutics found an antibody capable of completely blocking coronavirus. The company's specialists investigated billions of antibodies, hundreds of which were capable of affecting coronavirus. Scientists have studied them and found that one of them may be STI-1499 to protect human cells by a hundred percent from SARS-CoV-2 infection. "The STI-1499 completely neutralized the infectious properties of the virus at a very low dose of antibodies, which makes it the first candidate for further testing and research," - noted in the release of the company. As explained in Sorrento Therapeutics, the principle of the antibody is that it "envelops" the virus and removes it from the body within four days.

Employees of the National Research Center for Epidemiology and Microbiology named after Gamalei of the Ministry of Health of the Russian Federation tested their vector vaccine against COVID-19. The test was successful: immunity is there, no negative effects were found, said "Interfax" director of the center academician Alexander Ginzburg on May 22, 2020.

Biogenic health maintenance in ontogenesis

The leading correlations in ontogenesis are genomic. They are the basis of other correlations whose significance changes throughout ontogenesis. This is due to the primacy of genotype changes in the phylogenesis process. Genomic correlations are ensured by the integrity of the genetic constitution of a developing organism.

The mechanisms of genomic correlations are genotype gene balance, concatenated gene inheritance, different forms of gene interaction, and pleiotropy.

The correlation system itself undergoes transformations. More partial correlations are modified initially, while the most general correlations can be reproduced in particular ontogenesis for a very long time. As a result, both the selection of the most general correlations, which are important in any restructuring of the body and in different living conditions (general design plan, correspondence between the degree of development of the nerve center and innervated organs), as well as the accumulation of local correlations of private importance, which arise in the body and reflect the specifics of their lifestyle.

Correlations of general importance cause continuity of formative processes of the organism of this type of organization, and private correlations - diversity of specific forms of life.

There is a close link between phylogenetic coordinates and ontogenetic correlations

A comparison of specific forms of organ correlation transformations leads to the conclusion that morphogenetic correlations and topographic co-ordinations, just like ergontic correlations and dynamic co-ordinations, are mutually determinative. Morphogenetic correlations occur between organs spatially related to each other. Ergontic correlations are due to the functional interdependence of organs and parts of the body.

In the pair, genomic correlations - biological coordinates are also found to match. The relative transformation of biological structures is at the heart of the normal development of the human body. The mechanisms of relative transformations of biological structures in phylogeny are different, and therefore three groups are identified: biological, dynamic and topographic. Biological co-ordination is observed between structures not directly related in function or location. The main link between them is adaptations to certain habitat conditions. Dynamic coordination is expressed in the mutual correspondence of structures linked functionally. Topographic coordination manifests itself between structures connected to each other spatially. All types of coordination are highly stable.

Biogenic correlations are carried out at the stage of body formation up to 22 years, body aging and body state formation (healthy, donosological, patient) during life. The genetic apparatus works on two levels: real and wave. The real level responsible for protein synthesis works on a discrete principle. The wave level works on an analog principle. The accumulated instrumental mental energy affects the human genome at the wave level. Genetic apparatus converts wave analogue signal of psychic energy into discrete signals of biogenic correlation of psychophysical processes and body state. It is important for a person to accumulate the instrumental mental energy of healthy life [1-17]. Then biogenic correlations will maintain a healthy state in any natural and social conditions year after year during life.

Conclusion

South Korea's health and public administration system was able to quickly protect the population from COVID-19 without the imposition of emergency measures. Unfortunately, other countries at that time showed little vision, willingness and managerial will to protect the population from COVID-19. This now requires great costs, extraordinary measures and leads to great

casualties. Autonomous infections of people with coronavirus in different countries confirm the natural origin of it. The reason for its appearance is the spiritual state of society. The spiritual level of humanity is falling. Harmful passions take a person away from normal life. The pernicious passion of one person breeds it in other people. The accumulated harmful passions of mankind according to spiritual laws in 2020 brought on it coronavirus. He suspended the destructive life of mankind and spread people around their corners to think about their lives and change them. The creator made people free to improve normal life according to spiritual laws. Religious denominations must teach their people to live by them. Spiritual processes are therefore important during the pandemic. Now, if humanity all over the world stands to pray for repentance and forgiveness of sins, God will show mercy and the pandemic will cease, as God showed mercy in the history of mankind in such situations [18].

The health system in public spaces needs to significantly improve the quality of sanitation and monitor the environment [6], as well as improve the hygiene and endoecology of citizens.

In conditions of self-isolation do not accumulate stress and excess weight to sick people. Constant stress can harm more than any virus. For now, sanitation, hygiene, endoecology, self-isolation, population testing, increased security and a healthy spiritual lifestyle remain the main means of combating the spread of coronavirus.

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