

Experience Gained in Neutralizing COVID-19 by the International Medical Community

Evgeniy Bryndin and Irina Bryndina

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

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 Gyung 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.

Developed countries have begun to develop a vaccine to combat COVID-19. Any vaccine contains a specific antigen - a protein that provokes antibody production - immune response. In the body antigen is met with specially adapted cells - macrophages. They get acquainted with the antigen and read information from it, - explains Alimbarov. - The obtained information they transmit to T lymphocytes, which in turn begin to change, and among them appear cells that will also participate in the immune process. T cells transmit information to B lymphocytes, which are converted into plasma cells capable of producing antibodies. Part of B lymphocytes is converted into memory cells. They store information about the antigen and, upon repeated encounter with a similar antigen, trigger an immune response (antibody formation) in a shorter time frame. The vaccine can be live (weakened virus), inactivated (dead virus) or vector - that's what the coronavirus vaccine will be. It contains a human-harmless adenovirus whose DNA contains the coronavirus gene. The adenovirus is then used as a delivery container.

An outbreak of COVID-19 disease caused by SARS-CoV-2 virus was first originated in Wuhan, China, in late December 2019 and later on the disease has been diagnosed in patients in more than 190 countries on March 11 and finally the World Health Organization (WHO) declared the infection as 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. A week after identifying the first infected, on January 27, South Korean authorities met with the representatives of more than 20 medical companies and urged them to immediately begin developing tests for mass production in order to relieve the increased burden on hospitals and the tests were began by measuring the temperature of the people. The test in the affected people was performed by taking the smear from the throat and these samples collected from the infected people was stored at 4°C and sealed and then delivered in vans to 118 laboratories. The test results were reported within the hours of delivery of the samples.

Meanwhile many of the countries showed little vision and willingness during that critical time. The managerial systems came up with the protection of 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. Nikolai Brico 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). Later on, after a month the tests were began with testing not only the sick, but also their surroundings which further allowed to identify the number of people without symptoms of infection of coronavirus.

According to some experts, coronavirus was originated in bats and its 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 and later noticed that they served as carriers in asymptomatic citizens.

Two approaches are formed to treat citizens infected with coronavirus, 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. On the basis of the identified indicators vaccines for protection against coronavirus COVID-19, as well as drugs for immunity-enhancing treatment are developed.

Russian scientists managed to decrypt the full COVID-19 genome. Finally, this 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.

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. The natural origin of coronavirus was confirmed by its infection in people of different countries. The reason for its appearance is due to the spiritual state of society and its level in humanity is falling because of the harmful passions taken by the persons in his or her day to day life. The accumulated harmful passions of mankind according to spiritual laws in 2020 brought on its 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.

The health system in public spaces needs to significantly improve the quality of sanitation and must monitor the environment as well as improve the hygiene and endoecology of citizens. In sick people the conditions of self-isolation do not accumulate stress and excess weight. 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. To neutralize coronavirus, it is necessary to build a system for quickly and effectively determining the sources of infection, the ways and mechanisms of its spread throughout the territory. World Health needs to engage the international medical community to build a system for the rapid neutralization of coronavirus throughout the globe.

Name: Evgeniy Bryndin¹ and Irina Bryndina²

Affiliation: ¹Research Department of Research Centre "NATURE INFORMATICA" of Technological Platform Future Medicine, Russia

²Pediatric Faculty of Novosibirsk State Medical University, Russia, Email: bryndin@ngs.ru