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## **Corona-virus Vaccines; Challenges in Production and Difficulties in Application**

*Iraj Roudgar, December 2020*

In the age of technology overcoming the problems of human society, researchers have been able to take effective steps and they were able to achieve unattainable goals and unsolved problems of the world community to the desired and reliable results. The production of the Corona virus vaccine is one of these measures that has been produced with unimaginable speed in a very short period of time and has been made available for injection. However, the cellular structure of this virus is so large that it can be produced and distributed in such a way that it can live in any environmental conditions, and it also has mutations that make it more adaptable to the new environment. This means a mutation in the new environment within the previous mutation. The cellular structure of the corona virus is such that it distinguishes it from other viruses in the rate of criticism and prevalence in the public sphere. The speed of transmission and flexibility of this virus has been such that no virus has ever appeared in human society. All viruses that have been identified from the past have a specific geographical area and face many limitations in terms of how they are transmitted and therefore pollute specific environments. Corona virus infects the whole world in less than a month and causes major casualties. This pandemic taken itself from the various communities and death toll have increased even more as the daily life of the Coronavirus.

Thus, there are difficulties in production and testing, as well as challenges in the maintenance, delivery and injection of corona vaccine. So it is best to use this vaccine as a last resort against coronavirus in any community. Problems related to transportation, maintaining, two does injection and its specific conditions in producing and in examination will pose challenges to the health system of each country. This file is a collection of theories that were prepared in December and have been prepared on the occasion of transmitting the corona virus vaccine in some countries. The most important difference between Corona virus and other viruses of the same family is the numerous geometric mutations of this virus have been reported at different times.

### **1. Corona Virus in the World and the Solutions**

As an example, the potential impacts of the coronavirus on the liberal world order also have been a subject of public and academics debates in many societies besides conversations on social media. Post-coronavirus pandemic and especially its many deaths in the United States, a number articles has been published and interviews done that we will witness the rise of new world order. At the same time, there is a conflict of strategic interests – for example- in a small area in Syria



among the United States, Russia, Iran, Israel and Turkey, along with other extremists groups by support of Arabs sheikhs, long-term and high human casualties. Unsurprisingly, there is no way to fight the coronavirus in any of the health care systems in the world, that there may never be a definitive solution to eradicate it.

As a case that flips the world of politics today, the potential impacts of the coronavirus on the liberal world order also have been a subject of public and academics debates in many societies besides conversations on social media. Post-coronavirus pandemic and especially its many deaths in the United States, a number articles has been published and interviews done that we will witness the rise of new world order. At the same time, there is a conflict of strategic interests – for example- in a small area in Syria among the United States, Russia, Iran, Israel and Turkey, along with other extremists groups by support of Arabs sheikhs, long-term and high human casualties. Unsurprisingly, there is no way to fight the coronavirus in any of the health care systems in the world, that there may never be a definitive solution to eradicate it.

As case, one of the main reasons for the increase in the prevalence of the virus in the world is to mass gathering religious and sports and other ceremonies and non-observance of social distance. The way citizens interact collectively in human societies is different and is rooted in culture that governs that society according to standards accepted by people. Thus, the spread of the coronavirus is directly related to how mass contacts take place in societies which depends on the political culture of different communities. On the other hand, the government's policies in preparing guidelines and monitoring in preventing rallies are very important in reducing the spread of the corona. Close cooperation of two elements is necessary to get rid of the coronavirus. Once the government, by setting strict regulations and monitoring them in society and the other is people, who, by complying with these rules and social distancing, dry up the roots of this health crisis. Political culture at this stage can be two sides of the same coin, or a society with the most infected with the virus or the least infected with the coronavirus. The government and the people should at least trust each other in this matter, due to its power of spread, contamination, easy transmission, and difficult hospitality treatment and painful death, and so on.

## **2. Complications in Cell Culture**

I do not know, I did not want to answer the questions today at all, I have so much work to do, I have a record, maybe my biggest concern is about Corona Now I write poetry, for example, children do not get it and I was very happy at the beginning, but I cannot hide my worries that the vaccine is 100% ineffective like the flu vaccine, because the virus is different from the flu, it means that this vaccine becomes something else. It is used for the previous stage. For the new stage, the other vaccine must be correct. Let me explain everything to the others. See. Vaccines are made to prevent the spread of a virus to the human body. I would like to tell you that the flu vaccine is popular. I say that it takes about 18 months to 2 years in the laboratory, based on the



flu vaccine and the communication that takes place in the laboratory. The virus penetrates in different conditions, depending on how it is, or where its interests are, where it feeds most, and how it feeds. If the vaccine was given, this vaccine does not respond to these conditions, that is, do not provide symptoms of the virus. It's a cell culture or interest in human body. I think this method does not work for corona due to Mutation, the cell culture changing to next version of the firstly or origin. The major difficulty is here that differences between Covid-19 and Flu, Hepatitis virus, and so on.

If this virus mutates, suppose we are doing research on a virus called S1. We produce V1 vaccines to kill S1 virus, but this S1 virus itself mutated outside the environment and has become something we now call S2 and what happens. It has been vaccinated to beat S1, but you there is S2 virus, so this V1 vaccine has not been made for S2,3,4,..etc. It's the main challenge come from *Cell Culture*. Its virus interested. What to do, perhaps nothing. This is the nature of the virus and a philosophical approach on the Corona. The answer to this question is also my concern. Answering me as far as I can think, the laboratory cannot answer, so I will return to my first conversation. And identify and make for the vaccine, unless they use smart software. Intelligent technology will remember to estimate the next mutation stage of the virus or make the vaccine based on the next stage. Complications are too much and overcome far from today technology and at least impossible. My words are always confirmed again. The vaccine is different from drugs. It would be wise for us to wear masks and gloves and maintain social distance and follow the protocols related to the corona virus protect ourselves and prevent the transmitting it to others. So, in regard the difficulties and challenges its better we are following Mask, Gloves, and Social distance according the Coronavirus Protocols.

*Monday, December 14, 2020*

### **3. The Covid Vaccine**

As previous published fighting against should be first issue in every state, particular some country such Brazil, USA was neglected issue or overlooked of the government officials, and so on. In order to deal with the coronavirus, it is better to mobilize all the facilities of the country in this regard. Whatever the country, the mass media, especially television, play a key role in basic education such personal hygiene and the Covid protocols. Basic personal health education is a prerequisite for the destruction of the virus in a major and significant factor in overcome on the virus. Vaccines with any degree of protection against the coronavirus are not able to cover all the people of a country. For the injection of vaccines and other marginal issues, all governments will face many difficulties in providing full service to the people of their country. Provide basic skills in the language of all understandings for all ages through video media, No gathering is more necessary than saving human lives. All schools should be taught online because a child with the virus is likely His friend will infect his friend, his family and this cycle will increase geometrically, so educating people is very important. Gatherings in general should be avoided. Education must be done through the online system and the Internet. It brings into the country



much more than the cost that the country will spend on education, in addition to emotional issues within families and other economic issues.

Given the difficulties in transmitting and maintaining the vaccine and its economic costs, the vaccine should be the last step in the fight against coronavirus. Governments should devote all their efforts to educating all members of society with regard to cultural issues and the influence of education and its observance by individuals in all members of society.

Advertising issues are also very important in relation to the corona virus. Advertising should not be such that the only solution is the corona virus vaccine. Advertising should be such that it covers all the realities of society. It should be explained to the people what problems will be faced by the government or health organizations of each country in purchasing and maintaining transportation and the number of vaccines to be used. . Therefore, by re-emphasizing individual education and personal hygiene, it is the best and cheapest weapon to fight the coronavirus nationwide and worldwide.

#### **4. China hoisted its flag on the Moon and the Best Vaccine**

*December 4, 2020*

*Coronavirus and Vaccine, 18 November 2020*

*The Chinese and the problem of expelling the United States from the Asia-Pacific region/ First published; Saturday, September 05, 2020*

I saw in the news that China has hoisted its flag on the moon

It was just these days last year that I heard in the news that a virus called corona had been sent from China across the border. It was in these days. I think last year, in Early-December, when it was suddenly rumored that a virus called Corona from the SARS family had spread from China in Wuhan wet market. The story began with a technician from the Army Virology Laboratory in Wuhan, China, who contracted corona due to negligence and passed it on to his partner when he left the lab and went home. This seems to be the starting point for the spread of the corona virus worldwide. The Chinese laid siege to Wuhan and prevented people from leaving, but all of this did not stop them from controlling the virus inside Wuhan, and the virus spread around the world. It was clear from the outset that it was not possible to provide the international community with any information on how the virus spread, how to deal with it, and technical and laboratory issues related to the virus. In some cases, misinformation was raised by official and unofficial officials or on social media. Data from that time, after about six months, show that Beijing and Shanghai had 70 and 80 deaths from the virus, respectively. Given the population of these two major cities in China, the statistics are small compared to other human casualties in major cities around the world.



The structure of Covid-19 has shown how it is transmitted and spreads rapidly around the world. The virus has acquired new capabilities in transmitting the disease and spreading it around the world. This flexibility and its expansion across a wide range of geographies show that Covid-19 encompasses the entire world. This is the first micron step in the spread of a virus in the age of global claims, which with the emergence of this force is the first sign of the use of microbial weapons in the world. It slowly spread around the world. But it has never been determined from its original origin whether the virus is of animal origin or whether it was created by humans in the laboratory. It is not the root of the production and expansion of this force that we are discussing at the same time. Spending his youth in the face of this deadly force of ours, the keeper of humor but the coin to individual differences, causes society to be able to jointly produce and reproduce and spread, so with the verse against the virus need two powerful arms to weave this The virus is deadly. These two arms formed the nation and the government in every country. It is not a bad idea. Governments are able to serve the hospital to all the injured in the face of the increasing expansion. The most effective and important action is Individual Reaction. Unnecessary trips and absences do not participate in gatherings and avoid crowds. The quarantine should be avoided in crowded in the community, with other members of the family in order to prevent the spread of the virus.

In previous articles, the problems of producing the corona vaccine have been pointed out, and the most important part of it is the viral mutations that also mutate in the new body during transmission from one person to another. Thus, to produce the vaccine, a special vaccine is needed for all people on Earth. To be produced by itself. Therefore, theoretically, this measure is not extremely difficult and practical, that is, the production of 10 billion vaccines and marginal issues related to the price and method of vaccine production, whether access will be possible for all segments of the planet. It may be a significant help to a minority, but what is needed will not be possible for the majority of the people of the planet. What to do now

If every person who infected by Corona viruses has given a proper diet with a high percentage of protein in two weeks, following all the health tips and protocols against the coronavirus, the confidence of its recovery will be greatly increased and its benefits can be the production of an individual vaccine. The immune system will naturally be able to deal with this news in a possible future transmission, although different companies do not produce viruses with a high percentage of confidence. The most common virus can be a natural virus produced in our immune system. In this way, our body will be ready for hair with the virus in the future. In this way, both the health care system of the states involved in this and the individual can save their society from the further spread of this virus, but what is important The initial politicization of some governments in reporting false information and cultivation has led to the spread of the virus. Surprisingly, the Chinese have the lowest number of infections in the world and are economically ranked first in the new-year, average growth of 5% in pharmacies, While other countries in the world due to the presence of coronavirus in them all are struggling with the damage caused by this virus. The question is whether China wanted to avenge the Trump administration's tariffs policy on the



Americans, based on a mistake in expanding and not controlling the force. It has spread all over the world. Today, it will be a proprietary weapon in the ensuing battle between governments.

The fundamental question is to what extent the Chinese played a role in the production and spread of this virus around the world, and whether the virus was transmitted by the mistake and negligence of a laboratory worker in Wuhan, China, or whether it was intentionally transferred from the laboratory. It has been out there and the fundamental question is whether the virus is really of animal origin, which the Chinese call the anteater, or whether there have been changes in the structure of the ant virus in the laboratory. This is a question that the World Health Organization must answer again. Whether this virus source is of animal or natural origin or has been manipulated by experts in the laboratory.

It's a Chinese-style strategic revenge. Where is Trump now? Trump had accepted that this was a Chinese operation against the United States, so he did not use a mask to humiliate the Chinese. He went to the hospital on this way, but in the last days he believed that this revenge was of the Chinese type. In the early days of Corona New York City, there were thousands of casualties daily. The Chinese also sent a thousand artificial respirators to help the people of this city, but it was later announced that none of these Ventilators worked in this regard.

The important point is that the corona virus will remain a permanent guest on the planet, and the extinction of this virus will take longer than the life of a normal virus, but to protect all the people of the planet, all of them need the necessary training and Follow the protocols related to this virus and avoid unnecessary contacts with each other in order to avoid the transmission of this virus. This virus, like a living organism virus as a living element in the age of global claims, will be a Chinese gift to all the people of the planet in this new age of international relations. Therefore, this is a global problem, and their solutions must include the whole human population. Access to the vaccine of this victor for all members of human society, and the necessary training to prevent transmission to a person in a small city and transfer from this city to other people for all the people of the planet must be of fundamental importance because it is possible for human life on the planet to suffer irreversibly.

*I share all with those who want to know more about the Corona virus*

*Iraj Tehran, December 5, 2020*

## **5. Global Disaster and the Vaccines**

*Today, I would like to discuss whether all people need the Covid 19 vaccine or not. There is also maintenance of transmission and injection transfer. What are the differences between Corona virus and other viruses in this terrestrial group? And what factors distinguish the corona virus from other viruses in our society? Will we be able to provide a safe physical condition without being vaccinated? We will discuss mental health without vaccines in another article.*



What are the factors that differentiate the corona virus vaccine from other vaccines? The corona virus causes a new reduction in transmission from body to the new body, which may not happen in some cases. Therefore, to produce the corona vaccine, we need the number of people on the planet. The vaccine, each made for a human. About 10 billion Vaccines is theoretically possible, but in practice it is very difficult, expensive and out of reach. The cult of keeping the coronavirus vaccine at a very low temperature is almost associated with problems. In terms of ambient temperature conditions, there are eight problems at the place of delivery to store the virus. Moving the virus from one place to another, for example from one point of the capital in a country to the farthest parts of that country is very difficult for the health network. Corona vaccination naturally has side effects Humans are different because, especially those vaccines that are made from the so-called dead virus may cause adverse conditions in the weakened immune system. Is it possible? Is it right to accept the side effects of the corona vaccine abuse or to stay safe from transmitting the virus to ourselves and others by following the personal hygiene and protocols associated with the corona virus?

Iran has pocketed all the cases and problems mentioned in the preparation and transfer of the vaccine, and we are able to provide this vaccine to the number of people on the planet. Note that in the vaccine that is given to us, our body may produce an antibody that will not be fully effective in transmitting another corona virus to our body in the future, so this is the fundamental difference between the corona vaccine and other vaccines. That there is no guarantee of production in any country and in any way, because this virus vaccine, unlike other viruses such as hepatitis, influenza AIDS, etc., has a mutation in the original habitat, a mutation in the path of transmission to the new environment. It is prepared only for informing the readers in simple and slang language in order to prevent the transmission of the virus from one person to another. I hope that everyone will be safe from the need to get vaccinated in any country or city they are in, observing all health issues, because Once the virus enters the body and creates hair The right immune system can automatically produce antibodies that are your own vaccine, a vaccine that no American or European company on the planet can produce unless you have been tested individually. And for each person immune system produce a suitable formula to fight the corona virus. All cases are for the reason that does not wait for the vaccine to be given. It is a fact to say that no country can overcome the virus by relying solely on the corona vaccine, as the cost of producing or purchasing transmission maintenance and the inevitable use of it are major obstacles to overcoming the virus with the first transmission and Travel all measures taken will be destroyed.

Wherever we go to overcome the coronavirus, the first step must be global. Second, the vaccine is the last and only last option to overcome the coronavirus before the vaccine and the low cost of the vaccine. Other measures that must be done by the individual, Educated by the mass media in a general and controlled manner and with lovely and justifiable images to the general public of humanity. This is the least expensive, most important and most prominent way to control the corona virus worldwide. As the custodian of the health of all people on this planet, it's very



important task to coordinate all efforts in all countries to overcome the coronavirus, or in other words, to take the first step in controlling and reducing the number of patients with the virus, and In the next step, all of this does not mean that overcoming the corona virus means the eradication of this virus on our planet. The corona virus is a permanent party like one of the other living organisms in our society. Will be present for perhaps as long as the other days of its generation Removed on the ground or humans can overcome the virus by producing vaccines at greater risk, by which time the world's health and research structures will have a long way to go.

Perhaps the lesson that the corona virus teaches us in the age of global claims in the culture of political science is that in the health sciences, the individual efforts of each member of society can be effective in controlling and overcoming this deadly virus and this global catastrophe in all parts of the globe. We live in an age where the emergence of a virus is affecting the lives of all human beings and also in the political sciences the emergence of any other political idea and phenomenon will affect the entire planet. Examples are the US presidential election and new changes, during the post-Cold War era in the international system. It is not unreasonable to say that I have written in the past that there is a very close correlation between the rise of Mr. Trump and the rise of the Corona virus, especially its casualties in American society from the Pandemic. It is a fact that Mr. Trump and those around him, his supporters and those with whom he has a close relationship, do not care about the Corona virus and its consequences and do not take any initial steps. It is understandable why Mr. Trump has taken this approach. And its continuation does not matter for the deaths and deaths caused by the corona virus in the American society. Is Mr. Trump aware of the consequences of hiding a political move and is currently paying for it? If he is not aware, he should look for this weakness in analysts and researchers of global strategic issues and foreign relations.

## **6. Corona Vaccine and the Challenges**

In order to deal with the coronavirus, it is better to mobilize all the facilities of the country in this regard. Whatever the country, the mass media, especially television, play a key role in this regard. Basic personal health education is a prerequisite for the destruction of the virus. Vaccines with any degree of protection against the coronavirus are not able to cover all the people of a country. For the injection of vaccines and other marginal issues, all governments will face many difficulties in providing full service to the people of their country. Provide basic skills in the language of all understandings for all ages through video media gathering is more necessary than saving human lives. All schools should be taught online because a child with the virus is likely His friend will infect his friend, his family and this cycle will increase dramatically, so educating people is very important. Gatherings in general should be avoided. Education must be done through the online system and the Internet. It brings into the country much more than the cost that the country will spend on education, in addition to emotional issues within families and other economic issues.



The corona vaccine should be considered as the last resort for the people of any country. The first solution and the easiest, least dangerous and simplest solution to implement it for the people because it is thought that with one injection of the corona vaccine a security It will be permanent if it does not guarantee the health of the culture with a single injection due to the mutations of the corona virus. This will require re-injection or re-injection, so it is not cost-effective for any country to have an entire population. Vaccinate a country On the other hand, if a part of a country is not vaccinated, it will naturally transmit the coronavirus. What to do? Return to the first part of this conversation. Corona Quarantine you and avoid contact with others. Of course, wearing a mask, washing your hands with soap and water, and disinfecting with alcohol items provides primary safety. This seems to be the intention to disappear we will not be in constant challenge with him

*Iraj Roudgar*  
*Friday, December 11, 2020*

11. Corona virus is one of the cases that requires the collective cooperation of the government and the nation, and none of them alone can fight the spinal cord virus. To win against this virus, the government and the nation must act as two wings of birds. The corona environment flies One wing means that only the preparation of instructions and budgeting without the cooperation of the people, which is the observance of social distance and personal hygiene, the fight against corona will not succeed.

12. Avoid all the mistakes made by the Trump administration in dealing with the Corona virus

13. Mandatory use of masks for everyone in all public centers, shops, shopping malls, government centers, sports fields and religious ceremonies, and wherever there is a possibility of gathering or the need to gather, and wearing gloves for everyone.

14. The president, as the leader of the fight against the corona virus, should be a symbol of this fight and wear a mask in all circumstances. They refuse to do so. This will not be a good education, especially for children

### **How can one prevent the spread of the coronavirus disease?**

Keep alcohol-based hand sanitizers out of children's reach.

Apply a coin-sized amount on your hands.

Avoid touching your eyes, mouth and nose immediately after using an alcohol-based hand sanitizer, as it can cause irritation.

### **Trump is making America an obstacle in the global fight against Covid-19;**

Trump first called the corona virus a more severe cold than the common cold, and later called it the Chinese cold or the Chinese flu. And more recently, refusing to wear a mask in front of the camera, and ignoring the corona virus for months in the early months, has led to the United States currently having the highest human death toll in the world.

### **How do overcome on Corona-virus**

There is a general principle that starts with a person to overcome the coronavirus or to beat the corpus luteum. In general, a person prevents the virus from spreading to his own body, and in the first place, and in fact this second stage, does not want to transmit the virus to another person. And is responsible for possible errors that occur in this regard and cause the patient to be transmitted and sent to the hospital. People's condition is directly related to saving their lives. This is a general principle in all matters, even in relation to driving a car. The society should be on the education of individuals and observance of regulations regarding the corona virus and general supervision of executive officials and the government. In other words, yesterday with this extent of human casualties, it is very easy to control. Prevent the spread of the corona virus

### **Why the coronavirus vaccine has not yet been discovered Its similarity reports are inaccurate**

A simple response and a level comparison with the flu vaccine The flu vaccine was discovered after nearly two years of presence and spread worldwide, and the virus is now under control and



people who need it, especially in the seasons. The cold year is the time to get the vaccine, but the difference between the coronavirus and other viruses is in its genetic mutation. This mutation has occurred several times and in several stages. The latest statistics show that there are 71 mutations in the coronavirus worldwide. The corona virus strain with the sample that exists now has covered this distance of 712 different days. For each of these mutations, a special vaccine needs to be produced, so we have not been able to provide a specific vaccine for all of these celebrations so far. But the latest news is that existing technology and software are organized in such a way that they can predict mutations and at the same time aggregate all of these mutations into one vaccine. In other words, one vaccine is sufficient for each type of coronavirus mutation. This makes it very difficult and the reason for the delay and therefore the reason for the announcement of some countries Or organizations that produce pruner vaccines may be right, but it is probably only related to one of the mutations that has been worked on in the laboratory.

Latest News on the Popularity of Mr. Trump and Biden As far as I know, they have announced packages of pro-Biden organizations and institutions, giving their reasons for allowing Mr. Trump to leave the Paris Conference or global warming. Or other cases will be announced in the future. American scientists have a very effective role in this regard. I have finished writing five articles in this regard, all of which need to be submitted beforehand. It will be resubmitted, although the articles can be read on the site or the Academy site of the American site.

Mr. President Obama, thank you for taking the time to read this long article. Receive a warm greeting from under the skies of Tehran at about midnight. Let's serve and have a close conversation with you.. I am took the opportunity to do and help by my point of views so until the end of the election. When it is necessary and use it, I say goodbye again.

Iraj Tehran  
29 Sep 20020

*Monday, December 14, 2020 Tehran*