

## The Current Coronavirus Disease

Shimon Shatzmiller\*, Ludmila Buzhansky, Inbal Lapidot, Galina Zats and Rami Krieger

Department of Biological Chemistry, Ariel University, Ariel, Israel

\*Corresponding Author: Shimon Shatzmiller, Department of Biological Chemistry, Ariel University, Ariel, Israel.

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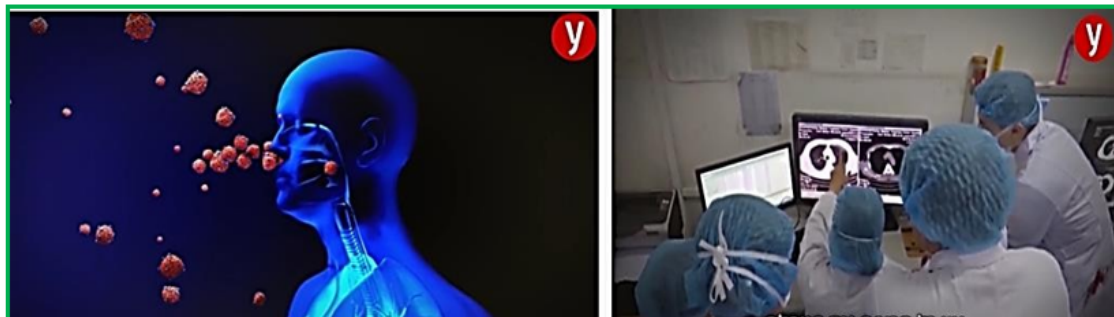
"Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China" -January 24, 2020 by Chaolin Huang, et al.

<http://www.thelancet-press.com/embargo/coronavirus1.pdf>

Figure 1

### The Lancet Corona Paper [1]

The distinguished professors who compare the corona to the flu: the state of the flu is preferable. There is a remedy, a medicine (Tami-flu) and there is a vaccine. However, every year, masses of people die from the flu. Because mostly not vaccinated. Corona has currently no cure (testing the anti-Ebola candidate Remdesivir) Conducting experiments towards a vaccine and the virus mutates and spreads and migrates through the sewage and fecal system. Don't panic. Just be aware and follow the instructions and most importantly. Do not underestimate it [2-4].



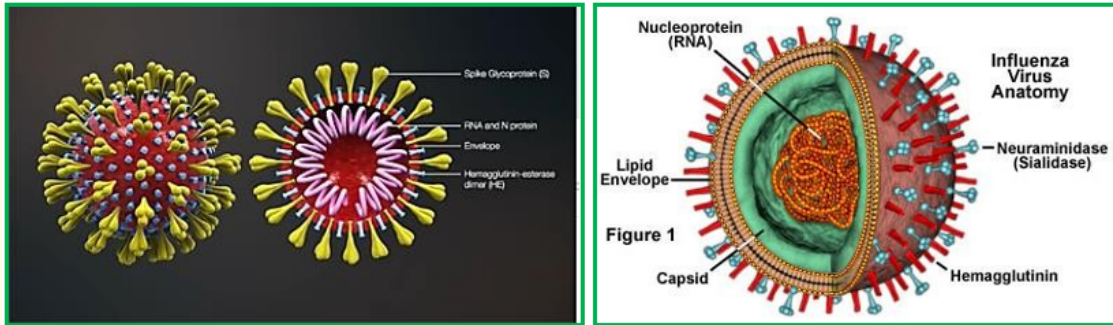


Figure 2: Drawing of the Coronavirus and Flu virus (credit ref. [1,5]).

Three distinct types of influenza virus, dubbed A, B, and C, have been identified. Together these viruses, which are antigenically distinct from one another, comprise their own viral family, Orthomyxoviridae. Most cases of the flu, especially those that occur in epidemics or pandemics, are caused by the influenza A virus, which can affect a variety of animal species, but the B virus, which normally is only found in humans, is responsible for many localized outbreaks. The influenza C virus is morphologically and genetically different than the other two viruses and is generally monosymptomatic, so is of little medical concern [2].

Coronavirus outbreak: “it’s almost certain to mutate [6] this is the nature of these things”



**Coronavirus**  
Middle East Respiratory Syndrome (MERS) and Severe Acute Respiratory Syndrome (SARS) are viral respiratory illnesses caused by a coronavirus.

**Common symptoms**

- Fever
- After 2 to 7 days, develop a dry cough
- Mild breathing difficulties at the outset
- Gastrointestinal issues
- Diarrhea
- General body aches

**Severe symptoms**

- High fever (100.4°F or higher)
- Pneumonia
- Kidney failure
- Death

**Transmission**  
Coughs or sneezes from infected person or touching contaminated objects.

**CHINA CORONAVIRUS**

The symptoms of 2019-nCoV and how it spreads

**SPREAD VIA COUGHING & SNEEZING**

**Symptoms:** FEVER, CHEST PAIN, CHILLS, RAPID HEARTBEAT, BREATHING DIFFICULTIES, PNEUMONIA, KIDNEY FAILURE, HEADACHE, SORE THROAT, COUGH, SHORTNESS OF BREATH.

Figure 3: Going viral Coronavirus vs SARS, Spanish flu and Ebola - death toll and symptoms compared [7].

World Health Organization chief Tedros Adhanom Ghebreyesus said Tuesday during a briefing, citing other anxieties that have caused smaller outbreaks. "This virus is not SARS, it is not MERS and it is not the flu. "It's a unique virus with unique characteristics".

By differentiating between the viruses, Tedros sought to take global action against the new bacteria. He and other WHO officials have urged governments to deal with the virus to implement public health measures that have been shown to reduce viral spread, such as isolating infected people, following those who have come into contact with cases to check if they are developing disease, and suspending activities to bring in many people [8].

### Here's why it takes so long to develop a vaccine for the new Coron- Coronavirus

February 17, 2020

The World Health Organization said this week it may take 18 months for the Koronov Virus to be available to the public [9].

Let's explore why, even with a global effort, it can take a long time.

China has publicly shared the full RNA sequence of the virus - now known as SARS-CoV-2 and not COVID-19, which refers to the disease itself - in the first half of January.

This effort began with efforts to develop vaccines around the world, including at the University of Queensland and institutions in the United States and Europe.

In late January, the virus was successfully grown outside China for the first time by the Doherty Institute in Melbourne, a very important step. For the first time, researchers in other countries had access to a live sample of the virus.

Using this sample, researchers at the Geelong CSIRO High Containment Laboratory (Australian Animal Health Laboratory) were able to understand the characteristics of the virus, another crucial step in the global vaccine development effort.

Historically, it took two to five years to develop. But in a global effort and learning from past efforts to develop anti-heart virus vaccines, researchers may develop a vaccine in a much shorter time.

World Bank announces up to \$12 billion in immediate funds for coronavirus.

The announcement underscored escalating concern about the economic and human impact of the virus.

The World Bank on Tuesday announced initial \$ 12 billion in immediate funds to help countries coping with the health and economic effects of the rapidly spreading coronavirus virus from China to about 80 countries [10].

World Bank President David Malpas said there are still "many unknowns" about the rapidly spreading virus and may require "much more" help, but he declined to elaborate.

### Health ministry asking PM to ban gatherings over 2,500

According to a report on News 12 [11] the Israeli health ministry will ask the prime minister to ban gatherings and events of more than 2,500 people. This may be the result of a health ministry discovery on Wednesday that the teenager who contracted the coronavirus from an employee of the Red Pirate Purim store in Givat Brenner who had returned from Italy-attended the Tel Aviv soccer derby match a week ago at Bloomfield Stadium.

The health ministry called on anyone who attended the same Monday, February 24, game in the Gate 8 seats, to enter home quarantine immediately.

### New coronavirus cases jump sharply in Europe, with Italy worst hit

The new virus infections occurred dramatically on Sunday, with Italy reporting hundreds of new cases and five more deaths. The number of approved cases has also jumped in France, Germany and the United Kingdom, with the Czech Republic reporting its first case.

As the disease continued to spread rapidly and governments introduced emergency measures to halt the progress of the growing epidemic, outbreaks in Iran and South Korea worsened. The United States also reported two new infections, one in Chicago and the other in Rhode Island. They mark the first case of the eastern state.

In Italy, confirmed infections rose 40% in 24 hours to 1,576, with the death toll currently at 34. In Germany, the number of people infected has almost doubled to 129 on Sunday, while France's total was up 100 - up from 38 on Friday - Nine of them are in serious condition. Iran, meanwhile, has increased the death toll from 43 to 54, as the number of confirmed infections has risen by more than half to 978, amid ongoing concerns that official data does not yet reflect the full extent of the outbreak there [12].



Figure 4: Coronavirus spread planet earth.

How deadly is the new coronavirus?  
 Nor remedy, no vaccine

**Coronavirus 2019-nCoV vaccine**

It is unlikely a vaccine will be available for mass distribution within the year, even with recent advancements in medical technology.

**CHINA Coronaviruses**

Coronaviruses are a large family of viruses that cause not only the common cold but also more serious respiratory illnesses

**2019-nCoV OUTBREAK**  
 December 31, 2019

A novel coronavirus (2019-nCoV) was identified as the source of the illnesses on January 7, with the infection traced to a Wuhan seafood market that also sold live animals

**Symptoms**

- Unknown incubation period
- Fever
- Difficult breathing
- Impaired liver and kidney function
- Kidney failure
- Severe cough
- Pneumonia

Middle East Respiratory Syndrome (MERS)  
 Identified in Saudi Arabia in 2012 - Spread to 27 countries, 2,494 confirmed cases | 859 deaths

Severe Acute Respiratory Syndrome (SARS)  
 Emerged in southern China in 2002 - Spread to 30 countries, 8,437 cases | 813 deaths

Figure 5

Scientists [13] can't yet say for sure what the fatality rate of the coronavirus is, because they're not certain how many people have become infected with the disease. But they do have some estimates, and there is a widespread consensus that COVID-19 is most dangerous for elderly patients and those with preexisting health burdens. On Tuesday (March 5), Tedros Adhanom Ghebreyesus, director-general of the World Health Organization, said during a news conference that about 3.4% of reported COVID-19 patients around the world have died. In a Chinese analysis of more than 72,000 case records, 2.3% of those confirmed or suspected (based on symptoms and exposure) to have the virus died. Patients above 80 years of age had an alarmingly high fatality rate of 14.896. Patients ages 70 to 79 years had a fatality rate of 8%. In Italy, where the death toll from the virus stood at 52 as of March 4, the fatalities were all in people over age 60.



Figure 6: Israelis in corona crisis (credit ref. [14,15]).

What can now be done about the virus is the prevention of infection. The situation is not similar to the flu. Influenza has a cure: Tamiflu, and a vaccine. In Corona case there is no remedy and no vaccine. Only prevention and retention can help. Therefore, all quarantines. Today, 50,000 (yes, fifty thousand) Israelis are already in isolation mainly in their homes and can only be done to prevent the infection. The virus in its current configuration causes 5% primary mortality for the elderly and slightly weaker children.

Please, don't underestimate it and it's not the flu!!!!

Contrary to the opinion of the old professor.

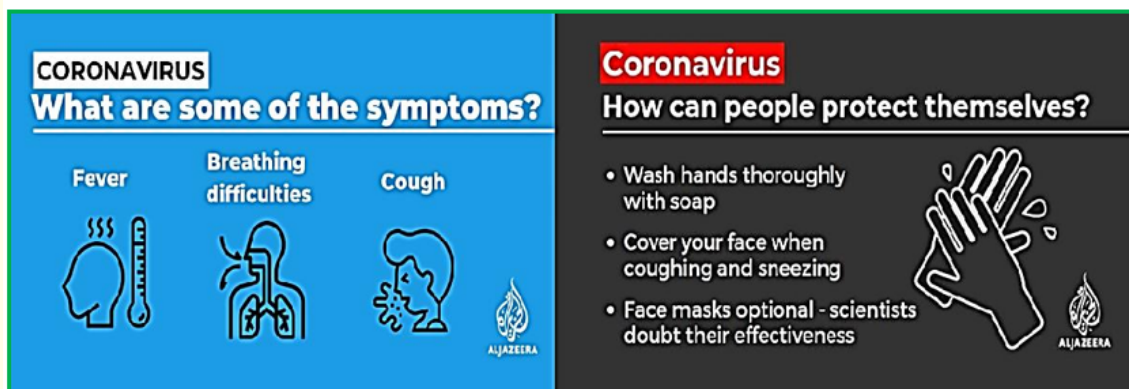


Figure 7: Coronavirus basics.

Governments around the world are mingling to contain the spread of COVID-19, which is growing worldwide even as the transmission in China, where the virus originated late last year, continues to show signs of slowing in the country.

There are more than 93,000 cases worldwide - the vast majority in China - but as deaths are reported in Italy.

**Purim celebrations canceled for fear of Corona: “Stressed, do not know what will happen”**

About 2,300 students are already housed in solitary confinement, which included Brenner High School students - after a ninth-grade student contracted the Corona virus. “They put us at unnecessary risk,” one of them said. Another expressed disappointment at the fact that “you have to stay at home for a long time.” Holon has abolished the traditional Adelaide: “feeling missed”.

Following the spread of the virus in Europe, the Israeli Ministry of Health [16] also ordered home isolation for those returning from Germany, Switzerland, France, Spain and Austria for 14 days. The guideline is also valid for those who have returned from the same countries in the past two weeks - affecting tens of thousands. Under the management of the Israeli airline, the implications of the new measures are being explored.

**The Palestinian Authority will ban tourists from entering its territory for fear of distributing Corona**

The Palestinian News Agency reported four first sticks at a hotel near Bethlehem. The Palestinian Ministry of Health said they were awaiting the results of their tests and that in the meantime all mosques and churches in Bethlehem would be closed for two weeks [17].

Fears of a prison outbreak: “Like dozens of Corona ships”.

IPS chief medical officer told Yet about preparedness to prevent prison cells: Reducing civilian entry and visits - to take place behind partitions. The first case will completely change the reality - we are also prepared to isolate an entire facility, he said.

Executives discuss the consequences of the Corona: "GDP could be hit by more than 1%" Chief economist Shira Greenberg presented two scenarios in the discussion - one pointing to a possible 0.2% fall in GDP as a result of the Corona and the other about more than 1%. She said the corona's effects would be more significant compared to the SARS virus. In the discussion we will discuss, among other things, the issue of compensation for the Corona victims [18].

World Health Organization is expected to announce: Corona epidemic - pandemic. How will this affect us?

The US Centers for Disease Control reported today that the global corona epidemic is almost completely in line with the definition of pandemic. It is estimated that the World Health Organization will have no choice but to announce in the coming days that this is indeed a pandemic. These are the implications of the dramatic announcement [19].

### Concluding Remarks

Do not ease head and find tricks with the corona.

If you can avoid it- stay home and work remotely through the media. Because they don't know much about the virus and its severity. This is not the flu!!! It is already clear. And winning prayer can only help. Science is quite embarrassed, and especially medicine, in the face of this virus. There are hints, but it is very necessary to "help from heaven" to find remedy for proper treatment. I hear now that the Italian virus is a more violent strain of the coronavirus that means more% dead. The Israeli prime minister announces global plague.

And in fact all European countries, including Central Europe and the Balkans are infected with Coronavirus. In Israel, the trend is to "paralyze" Israel. Education and public transport appear to be halted in the coming days.

What can be done now about the virus is the prevention of infection. The situation is not similar to the flu. Influenza has a cure: Tamiflu, and a vaccine. In Coronavirus case there is no medicine and no vaccine. Only prevention and retention can help. Therefore, all quarantines. Today, 50,000 (yes, at least fifty thousand) Israelis are already in isolation, mainly in their homes, and such measures can only be taken to prevent the broad public viral infection. The virus in its current configuration, causes 5% primary mortality for the elderly and slightly disadvantaged children. Please, don't underestimate it and it's not the flu!!!!

Contrary to the opinion of the veteran medicine professor:

Once again the distinguished professor is seen not saying everything. Well. Much of the flu is known about the disease and the viruses. There are medicines and there are vaccines.

Those who do not vaccinate have their tendency to become ill and even die of high flu. The corona virus, is unknown. But in the corona-virus illness, there is no cure and no vaccine. Therefore, caution is required. Mr. Professor, in the US, has allocated - with the World Bank, about \$ 20 billion (!!) to investigate the virus. "Pros" say that within 18 to 24 months in case of real success t will be a suitable vaccine. There is no cure. Scientists are trying to succeed. Help, dear sir and it also helps with the flu, but not only that.

Gentlemen, the Corona illness is not the flu. And in contrast to this flu is may become an ongoing trouble. (In the present form).

Because the virus, which is mutated (genetic change) strikes again, in the new costume. Everything is still unknown and uncertain. In Israel many thousands have already been quarantined. No dead yet but "and another vision for the time" as the prophet Habakkuk says.

We don't know To those professors who compare the corona to the flu: the state of the flu is preferable. There is a medicine (Tamiflu) and there is a vaccine. However, every year, masses of people die from the flu. Because Corona is mostly not vaccinated....

Corona has no cure (in Remdesivir experiments) and no vaccine and virus mutate and spread and migrate through the sewage and fecal system. Don't panic. Just have to be aware and follow the instructions and most importantly. Not relieve headache/I hear the professor who recommends going into proportions because oh know the future will die another 1000 and it will end like a flu Any news: Effect never ends and there is a vaccine and a cure. Corona has nothing, there are "oil marks" remdesivir? Let's hope for the best. The virus probably also undergoes mutations (changes).

TV reporting now that tonight, 42 Italians died from the Coronavirus illness. Britain has now 1 mortality, and all of Europe is infested with the virus. The USA will soon be painted with "deep red", and a world pandemic is to be announced soon by the WHO. No more flights to Israel by the European LUFTHANSA aggregate. Not so nice.

Here is the list of countries that upon arrival to Israel, Passengers Should enter 14 days of quarantine: Germany, France, Spain, Italy, Switzerland, Andora, Austria, San- Marino, Iran, Lebanon, Iraq, Serbia, China, South-Korea, Maccau, Hong- Kong, Japan, Thailand, Singapore, Greece, Slovenia, United Kingdom, Holland, Belgium, Luxemburg.

### Bibliography

1. Chaolin Huang, et al. "Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China". *Lancet* 395.10223 (2020): 497-506.
2. Coronavirus Epidemic Update 29: Testing problems, mutations, COVID-19 in Washington & Iran.
3. How does COVID-19 affect the body?
4. [https://www.ynet.co.il/articles/0,7340,L-5688366,00.html?utm\\_source=Taboola\\_internal&utm\\_medium=organic](https://www.ynet.co.il/articles/0,7340,L-5688366,00.html?utm_source=Taboola_internal&utm_medium=organic)
5. The Influenza (Flu) Virus.
6. Coronavirus outbreak: "it's almost certain to mutate, this is the nature of these things".
7. Going viral Coronavirus vs SARS, Spanish flu and Ebola – death toll and symptoms compared.
8. WHO: Coronavirus is different from influenza, and that means it can be contained.
9. Here's Why It's Taking So Long to Develop a Vaccine For The New Coronavirus.
10. World Bank announces up to \$12 billion in immediate funds for coronavirus.
11. <https://www.jewishpress.com/news/politics/health-ministry-asking-pm-to-ban-gatherings-over-2500/2020/03/04/>
12. New coronavirus cases jump sharply in Europe, with Italy worst hit.
13. How deadly is the new coronavirus?
14. [https://www.mako.co.il/news-israel/2020\\_q1/Article-4e31dd191b6a071026.htm?sCh=31750a2610f26110&pId=173113802](https://www.mako.co.il/news-israel/2020_q1/Article-4e31dd191b6a071026.htm?sCh=31750a2610f26110&pId=173113802)
15. Italy coronavirus death toll to 107, 3,089 cases: Live updates.
16. <https://www.ynet.co.il/articles/0,7340,L-5689060,00.html#autoplay>



17. [https://www.haaretz.co.il/news/health/1.8631267?utm\\_source=Push\\_Notification&utm\\_medium=web\\_push&utm\\_campaign=General](https://www.haaretz.co.il/news/health/1.8631267?utm_source=Push_Notification&utm_medium=web_push&utm_campaign=General)
18. [https://www.ynet.co.il/articles/0,7340,L-5683974,00.html?utm\\_source=Taboola\\_internal&utm\\_medium=organic](https://www.ynet.co.il/articles/0,7340,L-5683974,00.html?utm_source=Taboola_internal&utm_medium=organic)
19. [https://www.ynet.co.il/articles/0,7340,L-5688366,00.html?utm\\_source=Taboola\\_internal&utm\\_medium=organic](https://www.ynet.co.il/articles/0,7340,L-5688366,00.html?utm_source=Taboola_internal&utm_medium=organic)

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